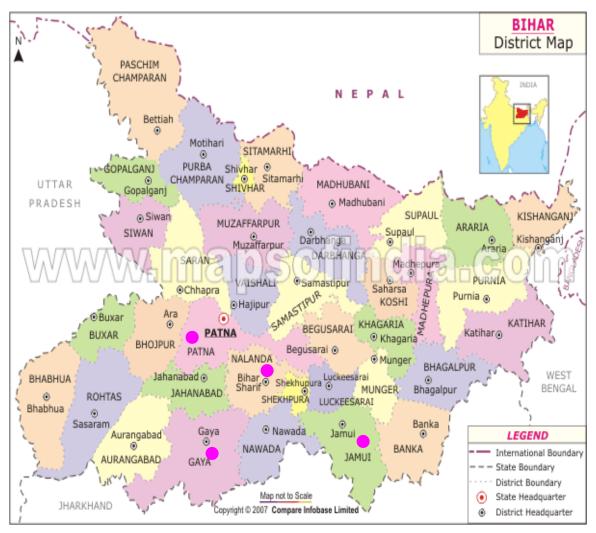
Report of the Joint Inspection Team on its visit to Bihar during 19<sup>th</sup> November to 25<sup>th</sup> November, 2013 to review the progress under the National Horticulture Mission



Districts visited by J.I.T of National Horticulture Mission

1. Jamui 2. Patna 3. Nalanda 4. Gaya



#### **National Horticulture Mission**

#### **Ministry of Agriculture**

**Department of Agriculture & Cooperation** 

Krishi Bhawan, New Delhi-110001

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#### Observations

- Farmers may be educated in respect of crops to be taken in Green House Viz. off season crops, (High value crops) which may fetch them good price.
- DHOs and Headquarter has to work in mission mode. Headquarter may endorse a copy to DHOs regarding project approved / sanctioned by Headquarter along with decisions taken and policy formulated.
- Shalimar cold storage, out of Rs. 42.50 lakh funds sanctioned, beneficiary has received only Rs. 19.21 lakh so far. Rest of the subsidy may be released after submission of completion report.
- Similarly, Rs. 20 lakh may be released on furnishing of completion report in respect of Bio-control lab to the Department of Botany, Patna University. Rs. 26 lakh have already been released to University, against an approval of Rs. 46.00 lakh.
- Monitoring of infrastructures establishment with the assistance of NHM funds is required in the State.
- Seed infrastructure in Bakhtiarpur was found closed on the day of visit. It needs to be made functional. For this purpose, arrangements may be made for technical expertise and provision of funds for running cost.
- There is more demand for targets under area expansion of banana in Nalanda District. Provision for increased targets may be considered. Similarly, more targets may be allotted to District for establishment of Green House and creation of water ponds.
- It is learnt that NHM funds approved under Beekeeping and Mushroom components have been diverted to ATMA for implementation of these components, whereas formation of Group & their identification (ground work) is carried out by SHM but the subsidy pattern is taken care of by ATMA. This does not work in a mission mode.

- Mushroom growers in Nalanda are facing problem of marketing. Large scale production of mushroom, at present, is not feasible because of lack of availability of demand and marketing facilities. Mushroom marketing may be explored by SHM before sanctioning the project.
- Seed infrastructure established at Nalanda is just white elephant. It is not functional inspite of huge investment. At present, there is no power connectivity, arrangement for technical expertise & running cost may be made. Seed unit established by the Agriculture Department, just adjacent to NHM seed unit, is also non-functional due to above reasons.
- Centre of Excellence for Vegetables is being established at Jalalpur, Block Chandi, Nalanda. Land has been acquired for the purpose.
- Horticulture College is being established at Noorsarai, Nalanda which is under construction.
- Seeds for Kharif onion may be made available to willing farmers.
- Jamui District needs more targets for creation of water resources, and establishment of low cost onion storages.
- Farmers need training in IPM practices in Jamui District.
- Publicity of NHM programme is needed in Jamui District and needs acceleration of implementation.
- There is no posting of DHO in Gaya District. Project Director, ATMA is looking after implementation of NHM programme, it is felt that there is not much inclination to implement NHM programme. DHO needs to be posted in the District immediately.
- Cluster approach needed in implementation of NHM programme in the Gaya District.
- Wholesale market may be established for betelvine in Gaya itself taking into consideration the production of betelleaf in the District (Gaya), so that farmers may not have to go to far flung areas for marketing like Varanasi.

- It has been observed that farmers do not fix plastic lining while construction of ponds established with assistance of NHM funds, after availing subsidy. Henceforth, funds may not be released as plastic lining, is mandatory under norms of NHM. If not practised, it would be violation of NHM guidelines / norms. Subsidy may be released only after inspection and completion of ponds as per specified norms. At present, so far established ponds have no sustainability. Cracks have developed on the walls & sides are on the verge of collapsing. This may be seriously looked into.
- Poly houses in Gaya District have not been fully completed, much of work including installation of drip is required but subsidy has been released. This needs to be looked into.

#### Actionable issues

- District Horticulture Officers and Headquarter should work in mission mode by endorsing a copy of the projects approved / sanctioned along with decisions taken and policy formulated.
- Districts need to be well equipped with sufficient trained manpower and infrastructure facilities' to provide necessary extension support to the farmers.
- Jamui district needs more target for creation of water resources and establishment of low cost onion storage.
- Bio control lab sanctioned five years ago to the Department of Botany Patna University is still awaiting completion, due to non payment of remaining balance funds of Rs. 20 lakhs. It is advised to submit the report in this case to DAC.
- Monitoring of infrastructures developed with the assistance of NHM funds need to be undertaken in the State.
- Training on protected cultivation, including production technologies in green house cultivation need to be imported to farmers & field functionaries.
- Seed infrastructures developed at Bankhtiarpur and Nalanda costing about one crore each are yet to be made functional. SHM should ensure that both units are made functional, thereby making available the technical expertise and provision for running cost.
- Whole sale market needs to be developed for betelvine in Gaya in view of the production of betel leaves in the district, so that betel growers may not have to go to far flung areas for marketing like Varanasi
- The installation of drip and sprinkler need to be supported with training of field functionaries as well as farmers about functioning and maintenance of the system, crop-irrigation schedule. It also needs to be ensured that the drip system is installed as per the required specifications.

- Subsidy for water ponds need to be released only after completion of plastic lining and fencing work.
- Since the setting up of terminal market sanctioned at Potahi, has been cancelled, fund released needs to be returned to NHM.
- There is an over whelming response for adoption of protected cultivation and mushroom production in the districts visited, which needs to be supported with additional allocation of funds.
- The efforts being made under the schemes need to be documented and well publicised. Moreover, proper display boards with logo need to be displayed at the project sites for generating awareness among the farmers.

## Report of the Joint Inspection Team on its visit to Bihar during 19<sup>th</sup> November to 25<sup>th</sup> November, 2013 to review the progress under the National Horticulture Mission

The Joint Inspection Team (JIT) comprising Dr. Om Prakash, Chief Consultant, National Horticulture Mission and Shri P.S. Kohli, Senior Resource Person (NHM), DAC, Govt. of India, New Delhi visited Bihar during 19-25<sup>th</sup> November, 2013 to review the progress under National Horticulture Mission programme in the State. Shri D.N, Mahto, DHO (Hort.), Patna coordinated the visit of Team in Patna, Jamui, Nalanda and Gaya of Bihar State.

The JIT covered the district of Patna, Nalanda, Jamui, and Gaya. Activities which were visited in different districts are as follows:-

**NHM-** Nursery, vegetable seed production, Bio control lab, Area expansion of mango, Litchi, Guava, Banana, Protected cultivation, Water Ponds, Vermi compost units, Mushroom spawn production unit, Mushroom production, Onion storage, Cold storage and Precooling unit.

**NMMI-** Drip irrigation in vegetables / fruit crops.

VIUC- Area Expansion, Protected cultivation, Organic farming, Onion storage

The team interacted with Shri Ajay Yadav, Mission Director and Director of Horticulture, Govt. of Bihar on 25<sup>th</sup> November, after completion of visit. Team appraised the SMD about the observations and recommendations of the team.

#### **Status of National Mission in Bihar**

The Centrally Sponsored Scheme of National Horticulture Mission (NHM) is being implemented in 23 district of Bihar since 2005-06.

The scheme is being implemented in twenty three identified potential districts with cluster approach. The districts covered under NHM include East Champaran, West Champaran, Muzaffarpur, Samastipur, Vaisali, Darbhanga, Araria, Purnia, Kishanganj, Katihar, Bhagalpur, Banka, Munger, Patna, Nalanda, Aurangabad, Jamui, Khagaria, Gaya, Madhubani, Rothas, Begusarai and Saharsa.

The focus crops identified under the programme include Mango, Litchi, Banana, Guava, Pineapple, Makhana, Beal, Betel vine and Aonla.

Major activities being undertaken in the programme are production and distribution of planting material, vegetable seed production, area expansion, rejuvenation of senile orchards, creation of community water resources, protected cultivation, IPM/INM, organic farming, pollination support through bee-keeping, development of infrastructure on post harvest management & marketing and human resources development.

#### Physical Progress

Salient progress till 2012-13 is as follows:-

- An additional area of 0.46 lakh ha of identified horticulture crops are covered.
- 85 nurseries have been established for production of quality planting materials.
- An area of 628 ha. has been covered under rejuvenation of old and senile orchards.
- Organic farming has been adopted in an area of 1170 ha for promotion of organic cultivation of horticultural crops.
- IPM practices have been adopted in an area of 6614 ha.
- 17 IPM/INM infrastructure facilities such as Leaf tissue analysis labs, disease forecasting units have been created.
- An area of 547 ha has been covered under protected cultivation.
- 599 community water structures have been created.
- Under the component of Post Harvest Management, 190 units including pack houses, cold storage units, refrigerated vans, primary / mobile processing units, ripening chambers, pre cooling units attach to cold storages and mobile pre cooling units) have been established.
- 5 market infrastructures have been set up.

#### **Financial Progress**

An amount of Rs. 179.33 crore was released to the State till 2012-13 against which an expenditure of Rs. 163.50 crore has been reported.

#### Progress during 2013-14

An allocation of Rs. 50 crore has been approved including GOI share of Rs. 42.50 crore for Annual Action Plan 2013-14. Funds to the tune of Rs. 5.00 crore has been released during the current financial year, out of which an expenditure of Rs. 23.06 has been reported.

#### Physical progress under NHM-2012-13

| Components              | Unit |      | t as per<br>2012-13 |        |        | Targets a   | s per releas | ses    |             | Compone<br>nt wise %<br>utilization<br>of fund |
|-------------------------|------|------|---------------------|--------|--------|-------------|--------------|--------|-------------|--|
|                         |      | Phy. | Fin.                | Physic | cal    | %<br>Achmt. | Financial    |        | %<br>Achmt. | Compone<br>nt wise %<br>utilization<br>of fund |
|                         |      |      |                     | Tar    | Achmt. |             | Tar          | Achmt. |             |  |
| Nursery                 | No.  |      |                     |        |        |             |              |        |             |  |
| Model                   |      | 1    | 21.30               | 0      | 1      |             | 0.00         | 21.25  |             | 0.82   |
| Small                   |      | 5    | 13.28               | 0      | 4      |             | 0.00         | 10.52  |             | 0.41   |
| Total                   |      | 6    | 34.58               | 0      | 5.00   |             | 0.00         | 31.77  |             | 1.23   |
| Area<br>Expansion       | Ha.  |      |                     |        |        |             |              |        |             | 0.00   |
| Fruits<br>Perennial     |      | 1300 | 265.20              | 1300   | 1371   | 105.46      | 528.780      | 432.01 | 81.71       | 16.75  |
| Fruits Non<br>Perennial |      | 1100 | 282.64              | 1100   | 1160.7 | 105.52      | 315.16       | 315.20 | 100.01      | 12.22  |
| Flowers                 |      | 500  | 51.00               | 500    | 500    | 100.00      | 51.00        | 60.00  | 117.65      | 2.33   |
| Spices                  |      | 500  | 53.13               | 500    | 500    | 100.00      | 53.13        | 53.13  | 100.00      | 2.06   |
| Aromatic &<br>Medicinal |      | 500  | 53.13               | 500    | 500    | 100.00      | 53.13        | 53.13  | 100.00      | 2.06   |

| Plantation                                      |     |             |        |           |        |        |         |         |        |       |
|---|-----|-------------|--------|-----------|--------|--------|---------|---------|--------|-------|
| crops   |     |             |        |           |        |        |         |         |        |       |
| Total   |     | 3900.<br>00 | 705.10 | 3900      | 4031.7 | 103.38 | 1001.12 | 913.47  | 91.24  | 35.42 |
| Rejuvenation                                    | Ha. | 1500        | 191.25 | 1500      | 142.87 | 9.52   | 191.25  | 21.43   | 11.21  | 0.83  |
| Creation of<br>water<br>resources               | No. | 200         | 102.00 | 200       | 200    | 100    | 102.00  | 102.00  | 100.00 | 3.95  |
| Protected cultivation                           | Ha. | 516         | 369.33 | 516       | 456.83 | 88.53  | 88.53   | 479.20  | 325.92 | 68.01 |
| Promotion of<br>IPM                             | Ha. | 2500        | 21.25  | 2500      | 2300   | 92.00  | 21.25   | 23.00   | 108.24 | 0.89  |
| Disease<br>Forecasting<br>Units                 |     |             |        |           |        |        |         |         |        |       |
| Bio Control<br>Labs                             |     |             |        |           |        |        |         |         |        |       |
| Plant Health<br>Clinics                         |     | 1           | 17.00  | 0         | 1      |        | 0.00    | 17.00   |        | 0.66  |
| Leaf / Tissue<br>analysis Lab                   |     | 1           | 17.00  | 0         | 1      |        | 0.00    | 17.00   |        | 0.66  |
| Total   | 0   | 2           | 34.00  | 0.00      | 2.00   |        | 0.0     | 34.00   |        | 1.32  |
| Adoption of<br>Organic<br>Farming               | Ha. | 2500        | 85.00  |           |        |        |         |         |        | 0.00  |
| Vermi compost<br>unit                           | No. | 2000        | 85.00  | 2000      | 2000   | 100.00 | 85.00   | 79.99   | 94.11  | 3.10  |
| HRD   | No. | 2938        | 84.79  | 2930      | 2169   | 74.03  | 33.80   | 45.13   | 133.52 | 1.75  |
| Pollination<br>support<br>through<br>beekeeping | No. | 1000<br>0   | 127.50 | 1000<br>0 | 9599   | 95.99  | 127.50  | 125.24  | 98.23  | 4.86  |
| FLD   |     | 40          | 238.00 | 0         | 46     | 0      | 0.00    | 254.740 |        | 9.88  |
| Horticulture<br>Mechanization                   | No. | 150         | 31.88  | 150       | 71     | 47.33  | 59.51   | 41.75   | 70.16  | 1.62  |
| Post Harvest<br>Management                      | No. |             |        |           |        |        |         |         |        |       |
| Pack house                                      |     | 20          | 25.50  |           |        |        |         |         |        | 0.00  |
| Cold Storage                                    |     | 6           | 612.00 | 0         | 0      |        |         |         |        | 0.00  |
| CA/MA   |     |             |        |           |        |        |         |         |        |       |

| Storage  |     |     |         |    |     |        |       |       |         |        |
|--|-----|-----|---------|----|-----|--------|-------|-------|---------|--------|
| Refrigerated<br>Vans                             |     | 12  | 97.90   | 5  | 5   | 100.00 | 40.85 | 43.50 | 106.62  | 1.69   |
| Market<br>Intelligence                           |     |     |         |    |     |        |       |       |         | 0.00   |
| Ripening<br>Chamber                              |     |     |         |    |     |        |       |       |         | 0.00   |
| Primary/mobile<br>processing<br>units            |     | 8   | 65.30   |    |     |        |       |       |         | 0.00   |
| Low cost onion<br>storage<br>structures          |     | 120 | 51.00   | 0  | 120 |        | 0.00  | 51.00 |         | 1.98   |
| Pre cooling<br>units attached<br>to cold storage |     |     |         |    | 9   | 0      | 0.00  | 45.90 | 0.00    | 0.00   |
| Total  |     | 46  | 800.70  | 14 | 125 | 892.86 | 86.70 | 94.50 | 109.00  | 3.66   |
| Market<br>infrastructure                         | No. |     |         |    |     |        |       |       |         | 0.00   |
| Wholesale /<br>Terminal<br>market                |     |     |         |    |     |        |       |       |         | 0.00   |
| Retail Markets<br>/ outlets                      |     | 15  | 51.00   |    |     |        | 0.00  | 15.30 |         | 0.59   |
| Rural / Apni<br>Mandis                           |     | 10  | 68.00   | 0  | 3   |        |       |       |         | 0.00   |
| Functional<br>Infrastructure                     |     | 4   | 20.40   |    |     |        |       |       |         | 0.00   |
| Extension,<br>quality<br>awareness               |     |     |         |    |     |        |       |       |         | 0.00   |
| Others   |     |     | 1695.34 |    |     |        |       |       | 470.95  | 18.26  |
| Total  |     | 29  | 1834.74 |    |     |        |       |       | 486.25  | 18.85  |
| Grand Total                                      |     |     | 4660.12 |    |     |        |       |       | 2579.15 | 100.00 |

### **Progress under National Mission on Micro Irrigation (NMMI) scheme in Bihar,** 2012-13

| S. No. | Items                | Physical (ha) | Financial<br>(Rs. in lakh) |
|--------|----------------------|---------------|----------------------------|
| 1.     | Drip Irrigation      | 1136.16       | 925.96                     |
| 2.     | Sprinkler Irrigation | 40235.43      | 6345.72                    |
| 3.     | Demonstration        | 19.80         | 8.14                       |
| 4.     | Farmer's Training    | 2.00          | 1.24                       |
| 5.     | Administrative cost  | -             | 26.01                      |
| 6.     | Total                |               | 7307.07                    |

#### Progress under National Vegetable Initiative for Urban Clusters (NVIUC)-Patna-2012-13.

| S.<br>No. | Components                    | Targets (N | Nos /ha) | Achiever<br>lakh) | Achievement (Rs in lakh) |  |  |
|-----------|-------------------------------|------------|----------|-------------------|--------------------------|--|--|
| 1.        | (a) Open Field                | 8000       | 1800.00  | 8000              | 1245.47                  |  |  |
|           | (b) Hybrid<br>vegetables      | 1000       | 337.50   | 1000              | 256.50                   |  |  |
| 2.        | Protected cultivation         |            |          |                   |                          |  |  |
|           | (a) GH-Tubular<br>Structure   | 100        | 420.75   | 100               | 69.43                    |  |  |
|           | (b) Cost of planting material | 100        | 26.25    | 70                | 2.63                     |  |  |
| 3.        | Post Harvest<br>Management    |            |          |                   |                          |  |  |
|           | (a) Low cost onion storage    | 292        | 262.80   | 292               | 100.35                   |  |  |
| 4.        | Collection Centre             | 2          | 14.40    | -                 | -                        |  |  |
| 5.        | HRD                           | 1970       | 29.35    | 2038              | 13.71                    |  |  |
|           | Total                         |            | 2891.25  |                   | 1688.08                  |  |  |

| Sl. No. | District  | Area (in ha.) | Production (in | <b>Productivity</b> of |
|---------|-----------|---------------|----------------|------------------------|
|         |           |               | <b>Qt.</b> )   | Makhana seeds (Qt/ha)  |
| 1.      | Darbhanga | 3850          | 115500         | 30.00                  |
| 2.      | Madhubani | 4565          | 136950         | 30.00                  |
| 3.      | Katihar   | 1156          | 28900          | 25.00                  |
| 4.      | Purnia    | 972           | 24300          | 25.00                  |
| 5.      | Sitamarhi | 85            | 2125           | 25.00                  |
| 6.      | Supaul    | 792           | 22176          | 28.00                  |
| 7.      | Araria    | 382           | 7640           | 20.00                  |
|         | Total     | 11802         | 337591         | Average productivity-  |
|         |           |               |                | 26.14 Qt./ Ha.         |

#### Area, Production & Productivity of Makhana in Bihar

Note:- On popping the final produce recovery is about 40% of the seeds.

#### Visit of JIT to Seed Infrastructures

JIT visited sites of seed infrastructure located at Patna on 22<sup>nd</sup> November, 2013 and other seed infrastructure unit in Nalanda District on 24<sup>th</sup> November, 2013. As informed by DHOs of respective districts that these infrastructures have been completed by the headquarters and recently handed over to district authorities for making them functional. Subsidy to the tune of Rs. 1 crore each from NHM funds has been provided for the projects.

It was pointed out that these units were not functioning because for technical expertise and lack of funds required for maintenance and running cost. DHOs have to consult their headquarters for taking steps. SHM has to look into and provide support to make them functional as sufficient NHM funds have been incurred for their construction.

#### **JAMUI DISTRICT**

| • | Geographical Area-    | 3,106,494.15 ha |
|---|-----------------------|-----------------|
| ٠ | Cultivable Area       | 77862.92 ha     |
| ٠ | Net area sown         | 73670.40 ha     |
| ٠ | Cultivable waste land | 22886.35 ha     |
| • | Current fallow        | 91159.74 ha     |

| •<br>•<br>•<br>• | Forest area<br>Area under misc. fruits<br>Non cultivable land<br>Permanent Pasture and grazing<br>land<br>No. of Block<br>No. of Panchayat<br>No. of villages<br>Main crops | 82933.49 ha<br>4724.30 ha<br>36927.35 ha<br>50,385 ha<br>10<br>153<br>152<br>Paddy, wheat, maize, Gram, Moong,<br>Arhar, Masour, Sugar cane, ured &<br>Vegetables |
|------------------|---|---|
| To               | tal Agriculture produced  | 250 MT.   |

#### Area, production & Productivity of horticulture crops in Jamui District

(a) Fruits

Area in ha, Production in MT

| S.<br>No. | Name of<br>commodity |      |        |       | 2011-12 |        |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|----------------------|------|--------|-------|---------|--------|-------|---|--|
|           |                      | Area | Produ. | Pvty. | Area    | Produ. | Pvty. |   |  |
| 1.        | Mango                | 949  | 8826   | 9.30  | 1092    | 8081   | 7.40  | 15.0                                      | (-)8.44                                      |
| 2.        | Guava                | 198  | 1663   | 8.40  | 227     | 1771   | 7.80  | 14.65                                     | 6.49   |
| 3.        | Lemon                | 163  | 114    | 7.00  | 189     | 1342   | 7.10  | 15.95                                     | 17.62  |
| 4.        | Banana               | 201  | 6492   | 32.30 | 178     | 8259   | 46.40 | (-) 11.44                                 | 27.22  |
| 5.        | Papaya               | 9    | 162    | 18.00 | 18      | 418    | 23.22 | 100.00                                    | 158.02                                       |
| 6.        | Aonla                | 16   | 139    | 8.69  | 24      | 216    | 9.00  | 50.00                                     | 55.40  |
| 7.        | Litchi               | 162  | 1037   | 6.40  | 142     | 973    | 6.85  | (-) 12.35                                 | (-)6.17                                      |
| 8.        | Other                | 423  | 3384   | 8.00  | 480     | 4262   | 8.88  | 13.35                                     | 25.95  |
|           | Total                | 2121 | 22844  | 10.77 | 2350    | 25322  | 10.77 | 10.80                                     | 10.85  |

#### (b) Vegetable

Area in ha, Production in MT

| S.<br>No. | Name &<br>District |      | 2006-07 |       |      | 2011-12 |       |          | % increase<br>/ decrease<br>in<br>production |
|-----------|--------------------|------|---------|-------|------|---------|-------|----------|--|
|           |                    | Area | Produ.  | Pvty. | Area | Produ.  | Pvty. |          |  |
| 1.        | Jamui              | 9277 | 141597  | 15.24 | 9231 | 157069  | 17.02 | (-) 0.50 | 10.93  |

#### (b) Flowers

Area in ha, production, Loose flower in MT, cut flowers in lakh spikes, productivity in MT/ha

| S.<br>No. | Name of<br>commodity |      | 2006-07 |       | 2011-12 |        |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|----------------------|------|---------|-------|---------|--------|-------|---|--|
|           |                      | Area | Produ.  | Pvty. | Area    | Produ. | Pvty. |   |  |
| Α.        | Cut flowers          |      |         |       |         |        |       |   |  |
|           | 1. Rose              | 0.35 | 0.38    | 1.09  | 0.95    | 1.06   | 1.12  | 171.43                                    | 178.95                                       |
|           | 2. Gladilous         | 0.10 | 0.20    | 2.00  | 0.40    | 0.80   | 2.00  | 300.00                                    | 300.00                                       |
| В         | Loose<br>Flowers     |      |         |       |         |        |       |   |  |
|           | 3. Marigold          | 0.70 | 12.32   | 17.60 | 1.75    | 29.93  | 17.10 | 150.00                                    | 142.94                                       |
|           | 4. Jasmine           | 0.20 | 0.52    | 2.60  | 0.85    | 2.24   | 2.64  | 325.00                                    | 330.76                                       |
|           | 5. Tuberose          | 0.10 | 0.45    | 4.50  | 0.75    | 3.41   | 4.55  | 650.00                                    | 657.78                                       |
|           | 6. Others            | 0.60 | 5.64    | 9.40  | 1.70    | 12.33  | 7.25  | 183.33                                    | 118.62                                       |
|           | Total                | 1.60 | 18.93   | 11.83 | 5.05    | 47.91  | 9.49  | 215.63                                    | 153.09                                       |

#### (c) Spices

Area in ha, Production in MT

| S.<br>No. | Name of<br>District |      | 2006-07 |       |      | 2011-12 |       |       | % increase<br>/ decrease<br>in<br>production |
|-----------|---------------------|------|---------|-------|------|---------|-------|-------|--|
|           |                     | Area | Produ.  | Pvty. | Area | Produ.  | Pvty. |       |  |
| 1.        | Jamui               | 119  | 388     | 3.26  | 158  | 889     | 5.63  | 32.77 | 129.12                                       |

| Progress under NHM  | l in Jamui District-2012-13 | 3 (Upto July, 2012) |
|---------------------|-----------------------------|---------------------|
| r rogress under min |                             | (opto oury, 2012)   |

| S.<br>No. | Components   | Targe | ts    | Financial<br>(Rs in lakh) |      |  |
|-----------|--|-------|-------|---------------------------|------|--|
| 1.        | Maintains of Fruits orchards                       | 307   | 8.19  | 5                         | 0.28 |  |
| 2.        | Creation of Water Research (Nos)                   | 4     | 2.40  | -                         | -    |  |
| 3.        | Protected cultivation                              |       |       |                           |      |  |
|           | (a) GH-Tubular structure (sq.mtr)                  | 2000  | 9.35  | -                         | -    |  |
|           | (b) Cost of planting material of House<br>(sq.mtr) | 2000  | 5.00  | -                         | -    |  |
| 4.        | PollinationsupportthroughBeekeeping (Nos)          |       |       |                           |      |  |
|           | (a) Honey bee colonies with houses                 | 450   | 6.75  | -                         | -    |  |
|           | (b) Equipment                                      | 450   | 6.75  | -                         | -    |  |
| 5.        | Horticulture Mechanization (Nos)                   | 2     | 2.10  | -                         | -    |  |
| 6.        | HRD (Nos)  | 113   | 1.13  | -                         | -    |  |
| 7.        | Mission Management                                 |       | 1.70  | -                         | 0.11 |  |
|           | Total  |       | 37.54 |                           | 0.39 |  |

As per information is provided by SHM, in Jamui district has incurred only Rs. 0.28 lakh on maintenance of orchards & no other activity of NHM has been taken up in the District during 2012-13 i.e., upto July, 2012.

#### Progress of NMMI in District 2012-13

| SI. No. | Item                 | Physical (ha) | Financial (Rs. in<br>lakh) |
|---------|----------------------|---------------|----------------------------|
| 1.      | Drip Irrigation      | 10.00         | 0.00                       |
| 2.      | Sprinkler irrigation | 663.00        | 96.78                      |
| 3.      | Demonstration        | 5.00          | 2.50                       |
| 4.      | Farmer's Training    | 0             | 0                          |
| 5.      | Administrative cost  | 0             | 0                          |
|         | Total                |               | 99.28                      |

#### **PATNA District**

- Geographical area: 317236 ha
- Forest area: 58 ha.
- Total non-Agriculture:- 172685 ha
- Banner uncultivable land: 12389 ha
- Permanent Pastures and grazing land: 113 ha
- Land under misc. use:- 1002 ha
- Cultivable waste land:- 764 ha
- Fallow land:- 81039 ha
- Net area sown:- 144551 ha
- Total cropped area:- 180688 ha.
- Area sown more than once:- 36137 ha

#### Area, production & Productivity of horticulture crops in Patna District

#### (a) Fruits

Area in ha, Production in MT

| S.  | Name of   |      | 2006-07 |       |      | 2011-12 |       | %        | % increase |
|-----|-----------|------|---------|-------|------|---------|-------|----------|------------|
| No. | commodity |      |         |       |      |         |       | increase | / decrease |
|     |           |      |         |       |      |         |       | 1        | in         |
|     |           |      |         |       |      |         |       | decrease | production |
|     |           |      |         |       |      |         |       | in Area  |            |
|     |           | Area | Produ.  | Pvty. | Area | Produ.  | Pvty. |          |            |
| 1.  | Mango     | 3718 | 36622   | 9.85  | 3978 | 34211   | 8.60  | 6.99     | (-)6.58    |
| 2.  | Guava     | 1024 | 9011    | 8.80  | 1092 | 9173    | 8.40  | 6.64     | 1.80       |
| 3.  | Lemon     | 548  | 3946    | 7.20  | 574  | 4420    | 7.70  | 4.74     | 12.01      |
| 4.  | Banana    | 552  | 19872   | 36.00 | 599  | 28632   | 47.80 | 105.26   | 117.73     |
| 5.  | Papaya    | 38   | 874     | 23.00 | 78   | 1903    | 24.40 | 8.51     | 44.08      |
| 6.  | Aonla     | 19   | 171     | 9.00  | 29   | 273     | 9.41  | 52.63    | 59.65      |
| 7.  | Other     | 1418 | 12620   | 8.90  | 1519 | 14557   | 9.58  | 7.12     | 15.35      |
|     | Total     | 7317 | 83116   | 11.36 | 7869 | 93169   | 11.84 | 7.54     | 12.10      |

#### (b) Vegetable

Area in ha, Production in MT

| S.<br>No. | Name<br>of<br>District | 2006-07 |        |       |       | 2011-12 |       |      | % increase<br>/ decrease<br>in<br>production |
|-----------|------------------------|---------|--------|-------|-------|---------|-------|------|--|
|           |                        | Area    | Produ. | Pvty. | Area  | Produ.  | Pvty. |      |  |
| 1.        | Patna                  | 38917   | 765936 | 19.68 | 40342 | 753143  | 18.67 | 3.66 | (-) 1.67                                     |

#### (b) Flowers

Area in ha, production, Loose flower in MT, cut flowers in lakh spikes, productivity in MT/ha

| S.<br>No. | Name of commodity | 2006-07 |        |        |       | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|-------------------|---------|--------|--------|-------|---------|-------|---|--|
|           |                   | Area    | Produ. | Pvty.  | Area  | Produ.  | Pvty. |   |  |
| Α.        | Cut               |         |        |        |       |         |       |   |  |
|           | flowers           |         |        |        |       |         |       |   |  |
|           | 1. Rose           | 1.80    | 2.36   | 1.31   | 4.60  | 6.44    | 1.4   | 155.56                                    | 172.88                                       |
|           | 2. Gladilous      | 3.05    | 6.10   | 2.00   | 9.15  | 18.30   | 2.0   | 200.00                                    | 200.00                                       |
|           | Total             | 4.85    | 8.46   | 1.74   | 13.75 | 24.74   | 1.8   | 183.50                                    | 192.43                                       |
| В         | Loose             |         |        |        |       |         |       |   |  |
|           | Flowers           |         |        |        |       |         |       |   |  |
|           | 3. Marigold       | 24.15   | 449.19 | 186.00 | 56.20 | 1056.56 | 18.80 | 132.71                                    | 135.21                                       |
|           | 4. Jasmine        | 3.65    | 10.99  | 3.01   | 5.70  | 19.38   | 3.40  | 56.16                                     | 76.34  |
|           | 5. Tuberose       | 1.20    | 6.12   | 5.10   | 5.20  | 28.08   | 5.40  | 333.33                                    | 358.82                                       |
|           | 6. Others         | 3.60    | 35.28  | 98.00  | 7.85  | 72.22   | 9.20  | 118.05                                    | 104.70                                       |
|           | Total             | 32.60   | 501.58 |        | 74.95 | 1176.24 | 15.69 | 129.91                                    | 134.51                                       |

(c) Spices

Area in ha, Production in MT

| S.<br>No. | Name of<br>District |      | 2006-07 |       |      | 2011-12 | %<br>increase<br>decreas<br>in Area |      | % increase<br>/ decrease<br>in<br>production |
|-----------|---------------------|------|---------|-------|------|---------|-------------------------------------|------|--|
|           |                     | Area | Produ.  | Pvty. | Area | Produ.  | Pvty.                               |      |  |
| 1.        | Patna               | 646  | 5152    | 7.98  | 704  | 7192    | 10.22                               | 8.98 | 39.60  |

#### Progress under NHM-PatnaDistrict-2012-13 (Upto July, 2012)

| S.  | Components                             | Tai    | rgets  | Achievement |      |  |
|-----|--|--------|--------|-------------|------|--|
| No. |  | Phy.   | Fin.   | Phy.        | Fin. |  |
| 1.  | Veg. seed production (ha)              | 28.00  | 7.00   | -           | -    |  |
| 2.  | Veg. seedling production (ha)          | 400    | 300.00 | -           | -    |  |
|     | including infrastructure               |        |        |             |      |  |
| 3.  | Area Expansion (ha)                    |        |        |             |      |  |
|     | (a) Banana TC                          | 40     | 12.48  | -           | -    |  |
|     | (b) High Density Planting mango        | 100    | 31.20  | -           | -    |  |
|     | (ha)                                   |        |        |             |      |  |
|     | (c) Maintenance                        | 691    | 21.36  | -           | -    |  |
| 4.  | Distribution of compost and spawn      | 20,000 | 12.00  | -           | -    |  |
|     | pack for mushroom                      |        |        |             |      |  |
| 5.  | Creation of water resources (No.)      | 4      | 2.40   | -           | -    |  |
| 6.  | Protected cultivation                  |        |        |             |      |  |
|     | (a) GH-Tubular structure (sq. mtr)     | 15,000 | 70.10  | -           | -    |  |
|     | (b) Plastic mulching (ha)              | 200    | 20.00  | -           | -    |  |
|     | (c) Cost of planting material for veg. | 2000   | 1.05   | -           | -    |  |
|     | (ha)                                   |        |        |             |      |  |
|     | (d) cost of planting material for      | 13,000 | 32.50  | -           | -    |  |
|     | flowers (ha)                           |        |        |             |      |  |
| 7.  | Promotion of INM/IPM                   | 500    | 5.00   | -           | -    |  |
| 8.  | Distribution of plastic crates         | 5000   | 5.00   | -           | -    |  |
| 9.  | Distribution of Leno bags              | 25,000 | 1.25   | -           | -    |  |
| 10. | Distribution of Fruit Trap bags        | 10,000 | 0.50   | -           | -    |  |
| 11. | Vermi Bed (Nos)                        | 500    | 25.00  | -           | -    |  |
| 12. | Pollination support through            |        |        |             |      |  |
|     | beekeeping                             |        |        |             |      |  |
|     | (a) Distribution of bee colonies with  | 450    | 6.75   | -           | -    |  |
|     | hives (Nos)                            |        |        |             |      |  |
|     | (b) Equipment                          | 10     | 0.70   | -           | -    |  |
| 13. | Horticulture Mechanization (Nos)       | 14     | 5.83   | -           | -    |  |
| 14. | HRD                                    | 151    | 2.18   | -           | -    |  |
| 15. | Low cost onion storage (Nos)           | 10     | 5.00   |             |      |  |
| 16. | Mission Management                     | -      | 28.00  | -           | 0.68 |  |
|     | Total                                  |        | 605.80 |             | 0.68 |  |

SHM did not provide the progress of NHM activities in the District for the year 2012-13 (i.e, upto March, 2013). As per the progress available upto July, 2012, no activity of NHM programme was implemented excess an expenditure of Rs. 0.68 lakh reported under Mission Management.

| SI. | Items                | Physical (ha) | Financial (Rs. in |
|-----|----------------------|---------------|-------------------|
| No. |                      |               | lakh)             |
| 1.  | Drip irrigation      | 61.0          | 75.19             |
| 2.  | Sprinkler irrigation | 2245.0        | 608.49            |
| 3.  | Demonstration        | 0.00          | 0.00              |
| 4.  | Farmer's Training    | 0.00          | 0                 |
| 5.  | Administrative       | -             | 2.60              |
|     | costs                |               |                   |
|     | Total                |               | 686.28            |

#### Progress of NMMI in District 2012-13

#### Visit of JIT to Bio Control lab, Patna

JIT visited Bio Control lab of Department of Botany, Agriculture University of Bihar, Patna on 23.11.2012. This Bio Control lab was approved by EC of NHM to University in 2009-10 with an outlay of Rs. 46 lakh with t he condition that adequate manpower would be made available.

JIT had discussion with Dr. Choudhry Sharfuddin, Principal Investigator, Department of Botany, regarding the progress made under the project. It was mentioned that the renovation work of the bio control lab was in progress and it would functioning in due course of time. The following details were provided in respect of laboratory:-

Amount sanctioned- Rs. 46 lakh

Amount released: Rs. 21 lakh

- (i) Rs. 21 lakh for renovation
- (ii) Rs. 5 lakh for vehicle

#### Expenditure

- (i) Tender amount for civil work: Rs. 12.46 lakh
- (ii) Tender amount for electric work: Rs. 5.92 lakh

#### Payment made till date for renovation of lab:-

- (i) For civil work: Rs. 4.56 lakh
- (ii) For electric work: Rs. 1.27 lakh
- (iii) For purchasing vehicle: Rs. 4.99 lakh

#### Balance in hand: Rs. 3 lakh

An balance amount of Rs. 20 lakh will be released on submission of utilization certification of amount incurred i.e. Rs. 26 lakh.

#### NALANDA DISTRICT

- Total Geographical area: 232732 ha
- Forest area:- 4640 ha
- Total area under non agriculture use: 75674 ha
- Barren unculturable area 1160 ha
- Permanent pastures & grazing land: 4 ha
- Land under misc. groves: 1272 ha
- Culturable waste land: 209 ha
- Fallow land: 23440 ha
- Net area sown:- 157058 ha
- Total cropped area:- 194843 ha
- Area sown more than once: 37785 ha
- Area under vegetable crops: 59713 ha
- Area under fruit crops: 6481 ha
- Area under Floriculture:- 23.7 ha

#### Area, production & Productivity of horticulture crops in Nalanda District (a) Fruits

Area in ha, Production in MT

| S.<br>No. | Name of<br>commodity | 2006-07 |        |       |      | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|----------------------|---------|--------|-------|------|---------|-------|---|--|
|           |                      | Area    | Produ. | Pvty. | Area | Produ.  | Pvty. |   |  |
| 1.        | Mango                | 2629    | 24186  | 9.20  | 2897 | 23755   | 8.20  | 10.19                                     | (-) 1.78                                     |
| 2.        | Guava                | 1427    | 12272  | 8.60  | 1469 | 11899   | 8.10  | 2.94                                      | (-) 3.04                                     |
| 3.        | Lemon                | 386     | 2702   | 7.00  | 409  | 2986    | 7.30  | 5.96                                      | 10.51  |
| 4.        | Banana               | 403     | 13702  | 34.00 | 451  | 21400   | 47.45 | 11.91                                     | 56.18  |
| 5.        | Papaya               | 22      | 462    | 21.00 | 38   | 916     | 24.10 | 72.73                                     | 98.27  |
| 6.        | Aonla                | 21      | 187    | 8.91  | 28   | 260     | 9.29  | 33.33                                     | 39.04  |
| 7.        | Other                | 1172    | 10431  | 8.90  | 1283 | 12005   | 9.36  | 9.47                                      | 15.09  |
|           | Total                | 6060    | 63942  | 10.55 | 6575 | 73221   | 11.14 | 8.50                                      | 14.51  |

#### (b) Vegetable

Area in ha, Production in MT

| S.<br>No. | Name<br>of<br>District |       | 2006-07 |       |       | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|------------------------|-------|---------|-------|-------|---------|-------|---|--|
|           |                        | Area  | Produ.  | Pvty. | Area  | Produ.  | Pvty. |   |  |
| 1.        | Nalanda                | 58404 | 1180012 | 20.20 | 60047 | 1190483 | 19.83 | 2.81                                      | 0.89   |

#### (b) Flowers

Area in ha, production, Loose flower in MT, cut flowers in lakh spikes, productivity in MT/ha

| S.<br>No. | Name of<br>commodity |      | 2006-07 |       |       | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|----------------------|------|---------|-------|-------|---------|-------|---|--|
|           |                      | Area | Produ.  | Pvty. | Area  | Produ.  | Pvty. |   |  |
| Α.        | Cut<br>flowers       |      |         |       |       |         |       |   |  |
|           | 1. Rose              | 0.50 | 0.60    | 1.20  | 2.70  | 3.78    | 1.40  | 440.00                                    | 530.00                                       |
|           | 2. Gladilous         | 0.20 | 0.40    | 2.00  | 4.90  | 9.80    | 2.00  | 2350.00                                   | 2350.00                                      |
|           | Total                | 0.70 | 1.00    | 1.43  | 7.60  | 13.58   | 1.79  | 985.71                                    | 1258.0                                       |
| В         | Loose<br>Flowers     |      |         |       |       |         |       |   |  |
|           | 3. Marigold          | 3.30 | 58.08   | 17.60 | 8.80  | 163.68  | 18.60 | 166.67                                    | 181.82                                       |
|           | 4. Jasmine           | 1.80 | 5.04    | 2.80  | 3.40  | 10.88   | 3.20  | 88.89                                     | 115.87                                       |
|           | 5. Tuberose          | 0.30 | 1.53    | 5.10  | 3.10  | 15.97   | 5.15  | 933.33                                    | 943.79                                       |
|           | 6. Others            | 0.95 | 9.22    | 9.71  | 3.70  | 33.26   | 8.99  | 289.48                                    | 260.74                                       |
|           | Total                | 6.35 | 73.87   | 11.63 | 19.00 | 223.79  | 11.78 | 199.21                                    | 202.95                                       |

#### (c) Spices

Area in ha, Production in MT

| S.<br>No. | Name of<br>District |      | 2006-07 |       |      | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|---------------------|------|---------|-------|------|---------|-------|---|--|
|           |                     | Area | Produ.  | Pvty. | Area | Produ.  | Pvty. |   |  |
| 1.        | Nalanda             | 635  | 4095    | 6.45  | 706  | 6079    | 8.61  | 11.02                                     | 48.45  |

#### Progress under NHM- Nalanda District-2012-13 (Upto July, 2012)

| S.  | Components                                  | Та   | rgets  | Achie | vement |
|-----|---|------|--------|-------|--------|
| No. |   | Phy. | Fin.   | Phy.  | Fin.   |
| 1.  | Veg. seed production (ha)                   |      |        |       |        |
|     | (a) Public sector                           | 20   | 10.00  | -     | 1.91   |
|     | (b) Private sector                          | 16   | 4.00   | -     | -      |
| 2.  | Seed Infrastructure (Nos)                   | 1    | 100.00 | -     | -      |
| 3.  | Centre of Excellence for vegetable &        | 1    | 250    | -     | -      |
|     | fruits under Indo-Israel project            |      |        |       |        |
| 4.  | Area Expansion (ha)                         |      |        |       |        |
|     | (a) High Density plantation of mango        | 50   | 15.60  | -     | -      |
|     | (b) Maintenance (ha)                        | 527  | 14.65  | -     | 0.15   |
|     | (c) Flower (ha)                             | 100  | 12.00  | -     | -      |
| 5.  | Creation of water resources (No.)           | 4    | 2.40   | -     | -      |
| 6.  | Protected cultivation                       |      |        |       |        |
|     | (a) GH-Tubular structure (sq. mtr)          | 6000 | 28.04  | -     | 44.93  |
|     | (b) Cost of planting material of vegetables | 2000 | 1.05   | -     | -      |
|     | (c) Cost of planting material of flowers    | 4000 | 10.00  | -     | -      |
| 7.  | Vermi Bed (Nos)                             | 500  | 25.00  | -     | 0.40   |
| 8.  | Pollination support through Beekeeping      |      |        |       |        |
|     | (Nos)                                       |      |        |       |        |
|     | (a) Honey bee colonies with hives           | 450  | 6.75   | -     | -      |

|     | (b) Equipment                    | 10  | 0.70   | - | -     |
|-----|----------------------------------|-----|--------|---|-------|
| 9.  | Horticulture Mechanization (Nos) | 14  | 5.83   | - | -     |
| 10. | Technology Dissemination through | 10  | 70.00  | - | -     |
|     | demonstration                    |     |        |   |       |
| 11. | HRD (Nos)                        | 128 | 2.11   | - | -     |
| 12. | Low cost onion storage (Nos)     | 10  | 5.00   | - | 0.67  |
| 13. | Mission Management               | -   | 28.40  | - | 3.42  |
|     | Total                            | -   | 612.10 | - | 51.48 |

Information in respect of progress under NHM activities for the year 2012-13 may provided up to July, 2012. As per report district authorities have utilized funds to the tune of Rs. 51.48 lakh in the component of vegetable seed production, maintenance of fruit orchards, protected cultivation, vermi compost units and selling up of low cost onion storages including Rs. 3.42 lakh in mission management.

| SI. | Items                | Physical (ha) | Financial (Rs. in |
|-----|----------------------|---------------|-------------------|
| No. |                      |               | lakh)             |
| 1.  | Drip irrigation      | 142.22        | 130.32            |
| 2.  | Sprinkler irrigation | 1127.0        | 222.04            |
| 3.  | Demonstration        | 0.00          | 0.00              |
| 4.  | Farmer's Training    | 0.00          | 0                 |
| 5.  | Administrative       | -             | 0.96              |
|     | costs                |               |                   |
|     | Total                |               | 353.32            |

#### Progress of NMMI in Nalanda District 2012-13

#### Visit of JIT to Mushroom Village

JIT visited mushroom village in Sarilchak village in Shilow block of Nalanda district on 24<sup>th</sup> November, 2013. Village is inhibited by cluster of 25 women engaged in mushroom production in their respective houses.

Identification of beneficiaries and training in mushroom production is being provided by National Horticulture Mission (NHM) to these growers. The cluster is facing problem of marketing of mushroom because of less demand in the area and as a result, large scale production of mushroom is not possible. At present, they were selling the mushroom @ Rs. 80/kg. JIT feels that clusters must go for compost making for which technical support has to be provided.

It is mentioned that mushroom making programme is being taken care of by ATMA in the State. NHM funds allocated for mushroom component are transferred to ATMA by headquarter and in turn subsidy is provided to mushroom growers in the village.

#### **GAYA DISTRICT**

Total Geographical Area-493774 ha

- Total cultivable land:- 228643 ha
- Forest area: 77836 ha
- Barren and uncultivable land: 3321 ha
- Non agriculture land:- 35,142 ha
- Cultivable barren land:- 11,500 ha
- Current fallow:- 9308 ha
- Land under cultivation:- 1,81,130 ha
- Land sown more than once: 95950 ha
- Land under irrigation:- 145000 ha
- Tubewells:- 71690
- Total under irrigation:- 145000 ha
- Total Farmers:- 352,668
- Agriculture families:- 2,54,062
- Small Farmers:- 3195
- Marginal favours:- 1,14,585

#### Area, production & Productivity of horticulture crops in Gaya District

#### (a) Fruits

Area in ha, Production in MT

| S.<br>No. | Name of<br>commodity |      | 2006-07 | 6-07 2011-12 |      |        | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |          |
|-----------|----------------------|------|---------|--------------|------|--------|---|--|----------|
|           |                      | Area | Produ.  | Pvty.        | Area | Produ. | Pvty.                                     |  |          |
| 1.        | Mango                | 1149 | 10111   | 8.80         | 1347 | 10507  | 7.80                                      | 17.23  | 3.92     |
| 2.        | Guava                | 622  | 5411    | 8.70         | 658  | 5198   | 7.90                                      | 5.79   | (-) 3.94 |
| 3.        | Lemon                | 363  | 2396    | 6.60         | 383  | 2796   | 7.30                                      | 5.51   | 16.69    |
| 4.        | Banana               | 211  | 7596    | 36.00        | 232  | 10834  | 46.70                                     | 9.95   | 42.63    |
| 5.        | Papaya               | 12   | 238     | 19.83        | 31   | 735    | 23.71                                     | 158.33                                       | 208.82   |
| 6.        | Aonla                | 31   | 282     | 9.10         | 46   | 423    | 9.20                                      | 48.39  | 50.00    |
| 7.        | Other                | 927  | 8436    | 9.10         | 1011 | 8097   | 8.01                                      | 9.06   | (-)40.18 |
|           | Total                | 3315 | 34770   | 10.49        | 3708 | 39590  | 10.68                                     | 11.86  | 13.86    |

#### (b) Vegetable

Area in ha, Production in MT

| S.<br>No. | Name<br>of<br>District |       | 2006-07 |       |       | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|------------------------|-------|---------|-------|-------|---------|-------|---|--|
|           |                        | Area  | Produ.  | Pvty. | Area  | Produ.  | Pvty. |   |  |
| 1.        | Gaya                   | 25700 | 411385  | 16.01 | 25488 | 436357  | 17.12 | (-) 0.82                                  | 6.07   |

#### (b) Flowers

Area in ha, production, Loose flower in MT, cut flowers in lakh spikes, productivity in MT/ha

| S.<br>No. | Name of<br>commodity |      | 2006-07 |       |      | 2011-12 |       | %<br>increase<br>/<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|----------------------|------|---------|-------|------|---------|-------|---|--|
|           |                      | Area | Produ.  | Pvty. | Area | Produ.  | Pvty. |   |  |
| Α.        | Cut                  |      |         |       |      |         |       |   |  |
|           | flowers              |      |         |       |      |         |       |   |  |
|           | 1. Rose              | 0.95 | 1.24    | 1.31  | 2.40 | 2.88    | 1.2   | 152.63                                    | 132.26                                       |
|           | 2. Gladilous         | 0.90 | 1.80    | 2.00  | 4.80 | 9.60    | 2.0   | 433.33                                    | 433.33                                       |
|           | Total                | 1.85 | 3.04    | 1.64  | 7.20 | 12.48   | 1.73  | 289.19                                    | 310.53                                       |
| В         | Loose                |      |         |       |      |         |       |   |  |

| Flowers     |       |        |       |       |        |       |        |        |
|-------------|-------|--------|-------|-------|--------|-------|--------|--------|
| 3. Marigold | 10.85 | 203.98 | 18.8  | 18.15 | 330.33 | 18.2  | 67.28  | 61.94  |
| 4. Jasmine  | 2.95  | 9.44   | 3.2   | 7.30  | 21.17  | 2.9   | 147.46 | 124.26 |
| 5. Tuberose | 0.90  | 4.36   | 4.84  | 5.35  | 25.15  | 4.70  | 494.44 | 476.83 |
| 6. Others   | 1.35  | 12.02  | 8.90  | 4.25  | 34.85  | 8.2   | 214.81 | 189.93 |
| Total       | 16.05 | 229.80 | 14.32 | 35.05 | 411.50 | 11.74 | 118.38 | 79.07  |

#### (c) Spices

Area in ha, Production in MT

| S.<br>No. | Name of<br>District |      | 2006-07 |       |      | 2011-12 |       | %<br>increase /<br>decrease<br>in Area | % increase<br>/ decrease<br>in<br>production |
|-----------|---------------------|------|---------|-------|------|---------|-------|--|--|
|           |                     | Area | Produ.  | Pvty. | Area | Produ.  | Pvty. |  |  |
| 1.        | Gaya                | 671  | 3928    | 5.85  | 707  | 5742    | 8.12  | 5.37                                   | 46.18  |

#### Progress under NHM in Gaya District during 2012-13 (Upto July, 2012)

| S.  | Components                             | Та   | rgets  | Achie | vement |
|-----|--|------|--------|-------|--------|
| No. |  | Phy. | Fin.   | Phy.  | Fin.   |
| 1.  | Veg. seed production (ha)              | 8    | 2.00   | 3.60  | 0.76   |
| 2.  | Area Expansion (ha)                    |      |        |       |        |
|     | (a) Guava                              | 25   | 6.00   | -     | -      |
|     | (b) Maintenance (ha)                   | 639  | 16.22  | 98.14 | 3.23   |
|     | (c) Flower (ha)                        | 100  | 12.00  | -     | -      |
| 5.  | Creation of water resources (No.)      | 4.00 | 2.40   | -     | 2.73   |
| 6.  | Protected cultivation                  |      |        |       |        |
|     | (a) GH-Tubular structure (sq. mtr)     | 6000 | 28.04  | -     | 7.22   |
|     | (b) Plastic mulching (ha)              | 6000 | 15.00  | -     | -      |
|     | (c) Cost of planting material for veg. | 6000 | 15.00  | -     | -      |
|     | (ha)                                   |      |        |       |        |
| 7.  | Vermi Bed (Nos)                        | 100  | -      | -     | 0.90   |
| 8.  | Pollination support through            |      |        |       |        |
|     | Beekeeping (Nos)                       |      |        |       |        |
|     | (a) Honey bee colonies with hives      | 450  | 6.75   | 30    | 0.81   |
|     | (b) Equipment                          | 10   | 0.70   | -     | -      |
| 7.  | Horticulture Mechanization (Nos)       | 7    | 3.01   | -     | -      |
| 8.  | Technology Dissemination (Nos)         | 10   | 70.00  | -     | -      |
| 9.  | HRD (Norms)                            | 118  | 1.97   | -     | -      |
| 10. | Low cost onion storage                 | 10   | 5.00   | -     | -      |
| 11. | Mission Management                     |      | 9.10   | -     | 1.02   |
|     | Total                                  |      | 177.51 |       | 16.68  |

As per information provided by SHM, funds to the tune of Rs. 16.68 lakh have been incurred during the year 2012-13 (upto Jully, 2012) under NHM activities of vegetables seed production, maintenance of orchards, creation of water resources, protected cultivation, vermi compost units, pollination support through beekeeping including Rs. 1.02 in mission management.

| SI. No. | Items                | Physical (ha) | Financial (Rs. in |
|---------|----------------------|---------------|-------------------|
|         |                      |               | lakh)             |
| 1.      | Drip irrigation      | 15.00         | 11.36             |
| 2.      | Sprinkler irrigation | 1188.50       | 169.83            |
| 3.      | Demonstration        | -             | -                 |
| 4.      | Farmer's Training    | -             | -                 |
| 5.      | Administrative       | -             | 0.20              |
|         | costs                |               |                   |
|         | Total                | -             | 181.39            |

#### Progress of NMMI in Gaya District 2012-13

#### Wrap up meeting with Mission Director, SHM, Government of Bihar

A wrap up meeting of JIT was held on 27<sup>th</sup> November, 2013 with the Mr. Ajay Yadav, Mission Director, SHM, Government of Bihar in his chamber.

- The observations made by JIT during its visits to Patna, Gaya, Nalanda and Jamui districts of the State were apprised to the Mission Director.
- Working of Headquarter & District Horticulture authorities in mission mode was mentioned. Mission Director assured JIT that information in respect of project proposals sanctioned in their respective Districts will be forwarded along with other important decisions taken to implement NHM efficiently in the State.
- The functioning of Seed infrastructures was discussed. Mission Director mentioned that these infrastructures are being made functional on Public Private Partnership (PPP) mode.
- In the context of the lesser targets under creation of water resources, Mission Director mentioned that various institutes / bodies were establishing these resources. ATMA is involved in implementation of activities of NHM viz. Water Resource establishment, mushroom cultivation and beekeeping in the State.
- Mission Director was requested for monitoring of projects / infrastructures established with funds of NHM in the State.
- It was mentioned that targets of water, resources area expansion and protected cultivation components may be allotted taking into view the potential / demand of the beneficiaries.
- For supply of onion seeds, NHRDF is being requested to supply specified seeds for Rabi & Kharif seasons.
- Mission Director mentioned that a proposal in respect of establishment of whole sale market for betel in Gaya is being considered taking into view the production of betel and its marketing in the District.

- Regarding Hortnet, it was mentioned that SHM is in touch with NIC for customization.
- Mission Director stated that the project relating to setting up of Terminal market of Potahi has been cancelled. Funds released for the purpose would be returned to NHM.
- Mission Director mentioned that Audited Utilization Certificate for the year 2012-13 has been furnished to NHM and information in respect of status of project proposals sanctioned by EC would be furnished to NHM on due course of time.
- During the Review meeting of Bihar at New Delhi, Mission Director & Joint Secretary, NHM mentioned that in VIUC, gap between farmer's price and consumer price is very less. During discussion, it was mentioned that there is no scope for intermediaries (Commission agents). Farmers are engaged in traditional farming and are resource rich farmers. They transport & sell their products of their own. Further, there is no paramount role of aggregator in price mechanism of vegetable prices.
- Mission Director mentioned that intensive awareness of NHM is being created among farmers through advertisement in local newspapers.
- It was mentioned in the meeting that Chief Secretary had directed that plants of mango, litchi & guava may be supplied through nurseries of the agriculture Universities viz. Rajendra Agriculture University, Pusa, Samastipur, BAU, Sabour (Bhagalpur) and their KVKs.
- State is self sufficient as far as mango & litchi planting material are concerned in comparison to demand but for planting material of other fruits, state has to enhance production of those plants in Government nurseries to make available quality planting to beneficiaries. Outsourcing of planting material is not permitted in the State.

# ANNEXURE- I District: Jamui

#### Area Expansion/WHS

| Sr.<br>No. | Details  | Remarks   |
|------------|--|---|
| 1          | Name & address of Beneficiary whose field visited.                 | Sh Ajay Kumar, Vill: Malehpur,<br>Block: Berhat, Jamui  |
| 2          | Total land available with the beneficiary (ha).                    | 1 ha  |
| 3          | Crop Cluster under which covered.                                  | Fruit   |
| 4          | Name & variety of crop planted.                                    | Mango; Malda, Dusheri,<br>Amarpalli, Malika, Jardallu   |
| 5          | Source of planting material.                                       | Deptt. Nursery , Samastipur   |
| 6          | Number of planting material.                                       | 100   |
| 7          | Number of plants planted/ rejuvenated.                             | 100   |
| 8          | Date of plants which survived (also indicate percentage survival). | 95%/ , 2010-11  |
| 9          | Total amount of subsidy assistance due to the beneficiary as (Rs.) | NA  |
| 10         | Amount paid and date of payment.                                   | Rs. 22500/-   |
| 11         | Mode of payment.   |   |
| 12         | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well   |
| 13.        | Whether Drip/ Sprinkle System in use.                              | Drip  |
| 14.        | Other inputs provided.   |   |
| 15.        | Whether assistance available for Organic<br>Farming                |   |
| 16         | If so, area covered  |   |
| 17.        | Assistance available   |   |
| 18.        | Available marketing facility for the crop.                         |   |
| 19.        | Other infrastructure available in the vicinity.                    | Water tank, 2012-13 (50x50x3)   |
| 20.        | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |   |
| 21.        | Any other relevant observation by the JIT.                         | <ul> <li>Gap filling required.</li> <li>Subsidy of Rs. 1.08 lakh given<br/>for water tank</li> <li>Beneficiary has mother block<br/>of guava and nursery training</li> <li>Inter crop: Gram</li> <li>Small Nursery recommended.<br/>Small nursery may be<br/>considered.</li> <li>Vegetative malformation<br/>noticed.</li> </ul> |

#### Area Expansion/WHS

| Sr.<br>No. | Details  | Remarks  |
|------------|--|--|
| 1          | Name & address of Beneficiary whose field visited.                 | Sh Devi Singh, Vill: Malehpur,<br>Block: Berhat, Jamui   |
| 2          | Total land available with the beneficiary (ha).                    | 1 ha   |
| 3          | Crop Cluster under which covered.                                  | Fruit  |
| 4          | Name & variety of crop planted.                                    | Mango; malda, dusheri,<br>amarpalli, malika  |
| 5          | Source of planting material.                                       | Deptt. Nursery, Samastipur   |
| 6          | Number of planting material.                                       | 100  |
| 7          | Number of plants planted/ rejuvenated.                             | 100  |
| 8          | Date of plants which survived (also indicate percentage survival). | 95%/ , 2010-11   |
| 9          | Total amount of subsidy assistance due to the beneficiary as (Rs.) | NA   |
| 10         | Amount paid and date of payment.                                   | Rs. 22500/-  |
| 11         | Mode of payment.   |  |
| 12         | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well  |
| 13.        | Whether Drip/ Sprinkle System in use.                              | Drip   |
| 14.        | Other inputs provided.   |  |
| 15.        | Whether assistance available for Organic Farming                   |  |
| 16         | If so, area covered  |  |
| 17.        | Assistance available   |  |
| 18.        | Available marketing facility for the crop.                         |  |
| 19.        | Other infrastructure available in the vicinity.                    | Water tank, 2012-13 (50x50x3)  |
| 20.        | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |  |
| 21.        | Any other relevant observation by the JIT.                         | <ul> <li>Gap filling required.</li> <li>Subsidy of Rs. 1.08 lakh given for water tank</li> <li>Inter crop: Gram</li> </ul> |

#### Area Expansion/WHS

| Sr. | Details  | Remarks  |
|-----|--|--|
| No. |  |  |
| 1   | Name & address of Beneficiary whose field visited.                 | Jai Mala Devi, Somo Block:<br>Somo, Jamui                        |
| 2   | Total land available with the beneficiary (ha).                    | 1.8 ha   |
| 3   | Crop Cluster under which covered.                                  | Fruit  |
| 4   | Name & variety of crop planted.                                    | Mango; malda, dusheri,<br>amarpalli, malika                      |
| 5   | Source of planting material.                                       | Deptt. Nursery , Samastipur                                      |
| 6   | Number of planting material.                                       | 180  |
| 7   | Number of plants planted/ rejuvenated.                             | 180  |
| 8   | Date of plants which survived (also indicate percentage survival). | 95%/ , 2010-11   |
| 9   | Total amount of subsidy assistance due to the beneficiary as (Rs.) | NA   |
| 10  | Amount paid and date of payment.                                   | Rs. 26500/-<br>3 <sup>rd</sup> installment is due                |
| 11  | Mode of payment.   |  |
| 12  | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well  |
| 13. | Whether Drip/ Sprinkle System in use.                              | Drip   |
| 14. | Other inputs provided.   |  |
| 15. | Whether assistance available for Organic<br>Farming                |  |
| 16  | If so, area covered  |  |
| 17. | Assistance available   |  |
| 18. | Available marketing facility for the crop.                         |  |
| 19. | Other infrastructure available in the vicinity.                    |  |
| 20. | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |  |
| 21. | Any other relevant observation by the JIT.                         | <ul><li>Gap filling required.</li><li>Well maintained.</li></ul> |

#### **Protected Cultivation - NHM**

| Sr.<br>No. | Details   | Remarks  |
|------------|---|--|
| 1          | Name & address of Beneficiary whose field visited.  | Rajesh Majhi Vill: Mararo, Somo,<br>Jamui  |
| 2          | Total land available with the beneficiary (ha).   | 2 ha   |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House   |
| 4.         | Year of establishment   | 2012-13  |
| 5.         | Size of Structure (Sq. m)   | 1500 sq. mtr.  |
| 6.         | Total cost  | Rs. 14.02 lakh   |
| 7.         | Agency involved in fabrication and installation   | Sasang Bio-tech Ltd.   |
| 8.         | Total subsidy paid and date of payment.   | Rs 12.62 lakh  |
| 9.         | Crop being grown  | Cucumber and vegetables  |
| 10.        | Condition of Structure  | Good   |
| 11.        | Condition of Crop   | Good   |
| 12.        | Tie up with market  | Local  |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good   |
| 14         | Any other relevant observation by JIT.  | <ul> <li>Non -traditional crops taken in<br/>GH is a good sign.</li> <li>Well maintained</li> <li>Optimum utilization of area in<br/>GH</li> <li>Capsicum will be taken after<br/>harvesting</li> <li>Rs. 25000 earned in 6 months</li> <li>Potato under drip irrigation</li> <li>Mildew in cucumber problem.</li> <li>No target for onion storage.</li> </ul> |

#### Water Resources Development

| Sr. No. | Details   | Remarks   |
|---------|---|---|
| 1       | Name of the project                                     | Water Harvesting Storage  |
| 2       | Year of Implementation                                  | 2012-13   |
| 3       | Project Period  | One year  |
| 4       | Name of Implementing Agency                             | Sanjay Kumar Singh  |
| 5       | Location of Project                                     | Vill: Balthaar, Distt: Somo   |
| 6       | Total Project Cost                                      | NA  |
| 7       | Amount Released by DAC                                  | Rs. 90000   |
| 8       | Expenditure incurred Status                             | As above  |
| 9       | Current Status of Project                               |   |
|         | Dimension (L x B x W)                                   | 50x50x3   |
|         | Capacity  | 50 lakh ha.   |
|         | Command Area  | 10 ha.  |
|         | Whether linked with new plantation or<br>old plantation | Paddy   |
|         | Whether funds disbursed                                 | Yes   |
|         | Observations of JIT                                     | <ul> <li>No plastic lining in tank</li> <li>Selection of site not favorable<br/>for water pond</li> <li>Poor maintenance</li> </ul> |

# **Micro Irrigation**

| Sr. No. | Details   | Remarks                                     |
|---------|---|---|
| 1       | Name & address of beneficiary visited.          | ShYogender Bhaske,Vil: Mohalia,             |
|         |   | Block: Chikai, Jamui                        |
| 2       | Total land available with the beneficiary (ha). | 2 ha.                                       |
| 3       | Type of MI system availed Drip/ Sprinkler       | Drip  |
| 4       | Crop(s) covered                                 | Vegetables                                  |
| 5.      | Total area covered (ha)                         | 2 ha.                                       |
| 6       | Crop Spacing (for drip)                         | NA  |
| 7       | Year of establishment                           | 2013-14                                     |
| 8       | Name of Manufacturer/ Supplier                  | Netafim                                     |
| 9       | Total subsidy paid & date of payment            | Rs. 40000/-                                 |
| 10      | Mode of payment                                 | cheque                                      |
| 11      | Status of crop                                  | poor  |
| 12      | General upkeep (Very good/ Good/ Average/       | Good  |
|         | Poor)   |   |
| 13.     | Any other relevant observation by JIT.          | Drip in working condition.                  |
|         |   | Inferior seeds, poor plants                 |
|         |   | • Rs 12, 000 realized by selling chilies    |
|         |   |   |
|         |   | Local Market     Training in plantation/IDM |
|         |   | Training in plantation/IPM required.        |
|         |   | • Poly House recommended for                |
|         |   | cluster plantation                          |
|         |   | • More water pond needed in                 |
|         |   | Berhut, Shikandra and Aliganj               |
|         |   | blocks.                                     |

# ANNEXURE- II District: Patna

#### **Protected Cultivation - NVIUC**

| Sr.<br>No. | Details   | Remarks   |
|------------|---|---|
| 1          | Name & address of Beneficiary whose field visited.  | Sh Dhaneshwar Singh, Vill:<br>Chirora, Naubatpur, Patna   |
| 2          | Total land available with the beneficiary (ha).   | 5 ha.   |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House  |
| 4.         | Year of establishment   | 2011-12   |
| 5.         | Size of Structure (Sq. m)   | 3600sq. mtr.  |
| 6.         | Total cost  | Rs. 33.66 lakh  |
| 7.         | Agency involved in fabrication and installation   | Agri Plast India Pvt. Ltd.  |
| 8.         | Total subsidy paid and date of payment.   | Rs. 30.29 lakh  |
| 9.         | Crop being grown  | Capsicum – Indira variety   |
| 10.        | Condition of Structure  | Good  |
| 11.        | Condition of Crop   | Good  |
| 12.        | Tie up with market  | Local   |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good  |
| 14         | Any other relevant observation by JIT.  | <ul> <li>Borewell. Drip (Netafim)</li> <li>1<sup>st</sup> crop sold @Rs. 45/kg and<br/>Rs. 50,000/- realized.</li> <li>Other varieties recommended</li> <li>Leaf curl problem need to<br/>control.</li> </ul> |

#### **Protected Cultivation - NHM**

| Sr.<br>No. | Details   | Remarks  |
|------------|---|--|
| 1          | Name & address of Beneficiary whose field visited.  | Sh Renu Kumari, Vill: Chirora,<br>Naubatpur, Patna   |
| 2          | Total land available with the beneficiary (ha).   | 4 ha.  |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House   |
| 4.         | Year of establishment   | 2012-13  |
| 5.         | Size of Structure (Sq. m)   | 3150 sq. mtr.  |
| 6.         | Total cost  | Rs. 29.45 lakh   |
| 7.         | Agency involved in fabrication and installation   | Agri Plast India Pvt. Ltd.   |
| 8.         | Total subsidy paid and date of payment.   | Rs. 26.51 lakh   |
| 9.         | Crop being grown  | Gerbera  |
| 10.        | Condition of Structure  | Good   |
| 11.        | Condition of Crop   | Good   |
| 12.        | Tie up with market  | Local  |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good   |
| 14         | Any other relevant observation by JIT.  | <ul> <li>Selling about 20,000 flowers<br/>@Rs. 5/per stick per month.</li> <li>Marigold plantation<br/>recommended</li> <li>Healthy Plants</li> <li>Pack house recommended.</li> </ul> |

#### Protected Cultivation – NHM/ NVI

| Sr.<br>No. | Details   | Remarks   |
|------------|---|---|
| 1          | Name & address of Beneficiary whose field visited.  | Sh Vivek Vishal, Vill: Chirora,<br>Naubatpur, Patna |
| 2          | Total land available with the beneficiary (ha).   | 5 ha.   |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House  |
| 4.         | Year of establishment   | 2012-13   |
| 5.         | Size of Structure (Sq. m)   | 2800sq. mtr.  |
| 6.         | Total cost  | Rs. 26.18 lakh                                      |
| 7.         | Agency involved in fabrication and installation   | Agri Plast India Pvt. Ltd.                          |
| 8.         | Total subsidy paid and date of payment.   | Rs. 23.56 lakh                                      |
| 9.         | Crop being grown  | Gerbera   |
| 10.        | Condition of Structure  | Good  |
| 11.        | Condition of Crop   | Good  |
| 12.        | Tie up with market  | Local   |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good  |
| 14         | Any other relevant observation by JIT.  | Good plantation                                     |

#### Protected Cultivation - NHM/ NVI

| Sr.<br>No. | Details   | Remarks  |
|------------|---|--|
| 1          | Name & address of Beneficiary whose field visited.  | Sh Chandra Mohan, Vill: Chirora,<br>Naubatpur, Patna   |
| 2          | Total land available with the beneficiary (ha).   | 0.4 ha.  |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House   |
| 4.         | Year of establishment   | 2012-13  |
| 5.         | Size of Structure (Sq. m)   | 600sq. mtr.  |
| 6.         | Total cost  | Rs. 5.61 lakh  |
| 7.         | Agency involved in fabrication and installation   | Agri Plast India Pvt. Ltd.   |
| 8.         | Total subsidy paid and date of payment.   | Rs. 5.05 lakh  |
| 9.         | Crop being grown  | Cucumber   |
| 10.        | Condition of Structure  | Good   |
| 11.        | Condition of Crop   | Good   |
| 12.        | Tie up with market  | Local  |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good   |
| 14         | Any other relevant observation by JIT.  | <ul> <li>Sold cucumber @ Rs. 20-<br/>30/kg.</li> <li>Rs. 1 lakh realized</li> <li>Fungicide, copper based<br/>spray recommended for<br/>control Pseudocercospora<br/>disease.</li> </ul> |

# **Micro Irrigation**

| Sr. No. | Details   | Remarks                           |
|---------|---|-----------------------------------|
| 1       | Name & address of beneficiary visited.          | Ganeshwar Prasad, Vill: Chirora,  |
|         |   | Naubatpur, Patna                  |
| 2       | Total land available with the beneficiary (ha). | 0.4 ha.                           |
| 3       | Type of MI system availed Drip/ Sprinkler       | Drip                              |
| 4       | Crop(s) covered                                 | Banana, G-9, 1216 plants          |
| 5.      | Total area covered (ha)                         | 0.4 ha.                           |
| 6       | Crop Spacing (for drip)                         |                                   |
| 7       | Year of establishment                           | 2013 - 2014                       |
| 8       | Name of Manufacturer/ Supplier                  | Netafim                           |
| 9       | Total subsidy paid & date of payment            | Subsidy yet to be released        |
| 10      | Mode of payment                                 |                                   |
| 11      | Status of crop                                  | Borer leaf cutting weevil noticed |
| 12      | General upkeep (Very good/ Good/ Average/       | Good                              |
|         | Poor)   |                                   |
| 13.     | Any other relevant observation by JIT.          | Tank/pond recommended             |
|         |   | Spray recommended                 |
|         |   |                                   |

# Post Harvest Management

| Sr. No. | Details                           | Remarks                            |
|---------|-----------------------------------|------------------------------------|
| 1       | Name of the project               | Multipurpose Cold Storage          |
| 2       | Year of Implementation            | 2010-11                            |
| 3       | Project Period                    | One year                           |
| 4       | Name of Beneficiary               | Shalimar Cold Storage              |
| 5       | Location of Project               | Patna                              |
| 6       | Total Project Cost                | Rs. 325 lakh                       |
| 7       | Amount Released & date            | Rs.42.50 lkah                      |
| 8       | Expenditure incurred              | NA                                 |
| 9       | Status                            |                                    |
|         | Capacity of unit                  | 60000 c ft.                        |
|         | Commodity                         | Dairy products, fruits, vegetables |
|         | Equipments purchased              |                                    |
|         | Condition of infrastructure       | Good                               |
|         | Whether NHM logo displayed        | No                                 |
|         | Whether funds disbursed to agency | Full subsidy yet not disbursed, Rs |
|         |                                   | 19.42 lakh paid.                   |
|         | Observations made by JIT          | Completion report yet to be        |
|         |                                   | submitted.                         |

# Pack House/Cold Storage/Ref Van/ Primary processing/Ripening chamber Units

#### **Mushroom Cultivation**

| Sr. No. | Details                     | Remarks  |
|---------|-----------------------------|--|
| 1       | Name of the project         | Mushroom Spawn Lab   |
| 2       | Year of Implementation      | 2012-13  |
| 3       | Project Period              | One year   |
| 4       | Name of Implementing Agency | Deepak Kumar,<br>Renaissance Bi-tech Pvt. Lab,<br>Patna  |
| 5       | Location of Project         | Anisabad, Patna  |
| 6       | Total Project Cost          | Rs 15 lakh   |
| 7       | Amount Released by DAC      | Rs 13.50 lakh  |
| 8       | Expenditure incurred        | NA   |
| 9       | Capacity                    | 150 kg/day   |
| 10      | Observation of JIT          | <ul> <li>Oyster and button mushroom</li> <li>Marketing at Gaya, Nawada,<br/>Nalanda, @ Rs 80/kg.</li> <li>Equipment purchased</li> <li>Needs extension of lab</li> <li>Funds for training and<br/>compost making<br/>recommended.</li> <li>Capacity under utilization as<br/>demand for mushroom does<br/>not exists.</li> </ul> |

# Post Harvest Management

| Sr. No. | Details                           | Remarks                         |
|---------|-----------------------------------|---------------------------------|
| 1       | Name of the project               | Pre cooling unit                |
| 2       | Year of Implementation            | 2010-11                         |
| 3       | Project Period                    | One year                        |
| 4       | Name of Beneficiary               | I G International Pvt. Ltd.     |
| 5       | Location of Project               | Mussalapur Bazar Samiti, Patna  |
| 6       | Total Project Cost                | Rs. 137.25 lakh                 |
| 7       | Amount Released & date            | Rs.45.90 lkah                   |
| 8       | Expenditure incurred              | NA                              |
| 9       | Status                            |                                 |
|         | Capacity of unit                  | 80 MT of 9 precooling units     |
|         | Commodity                         | Imported fruits                 |
|         | Equipments purchased              |                                 |
|         | Condition of infrastructure       | Good                            |
|         | Whether NHM logo displayed        | No                              |
|         | Whether funds disbursed to agency | Yes                             |
|         | Observations made by JIT          | Capacity fully utilized         |
|         |                                   | Marketing in entire Bihar, West |
|         |                                   | Bengal                          |
|         |                                   | • Ripening chamber recommended. |

# Pack House/Cold Storage/Ref Van/ Primary processing/Ripening chamber Units

# ANNEXURE- III District: Nalanda

#### Area Expansion

| Sr.<br>No. | Details  | Remarks  |
|------------|--|--|
| 1          | Name & address of Beneficiary whose field                          | Sh RK Sinha, Vill: Nehusa,   |
|            | visited.   | Harnaut, Nalanda   |
| 2          | Total land available with the beneficiary (ha).                    | 2 ha   |
| 3          | Crop Cluster under which covered.                                  | Fruit  |
| 4          | Name & variety of crop planted.                                    | Banana, Malbhog, G-9   |
| 5          | Source of planting material.                                       | Bhagalpur, Kolkata   |
| 6          | Number of planting material.                                       | 6250   |
| 7          | Number of plants planted/ rejuvenated.                             | 6250   |
| 8          | Date of plants which survived (also indicate percentage survival). | 100%   |
| 9          | Total amount of subsidy assistance due to the beneficiary as (Rs.) | Rs.149766/-  |
| 10         | Amount paid and date of payment.                                   | As above   |
| 11         | Mode of payment.   | By Cheque  |
| 12         | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well  |
| 13.        | Whether Drip/ Sprinkle System in use.                              | Drip   |
| 14.        | Other inputs provided.   |  |
| 15.        | Whether assistance available for Organic<br>Farming                |  |
| 16         | If so, area covered  |  |
| 17.        | Assistance available   |  |
| 18.        | Available marketing facility for the crop.                         |  |
| 19.        | Other infrastructure available in the vicinity.                    | Mulching, Vermi bed, Poly<br>House, Individual tank  |
| 20.        | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |  |
| 21.        | Any other relevant observation by the JIT.                         | <ul> <li>Vermi bed not functional</li> <li>Nutrient deficiency noticed</li> <li>Sigatoka in banana plants<br/>noticed</li> <li>Cucumber plantation in poly<br/>house</li> <li>Thrips, mites in cucumber<br/>noticed</li> <li>GH damaged, require repairs</li> <li>Subsidy of Rs 1.08 lakh<br/>provided for tank</li> </ul> |

#### Area Expansion

| Sr.<br>No. | Details  | Remarks   |
|------------|--|---|
| 1          | Name & address of Beneficiary whose field visited.                 | Sh SK Sinha, Vill: Chainpur,<br>Chandi, Nalanda – cluster of 18<br>farmers  |
| 2          | Total land available with the beneficiary (ha).                    | 2 ha  |
| 3          | Crop Cluster under which covered.                                  | High density plantation of<br>Fruit   |
| 4          | Name & variety of crop planted.                                    | Guava, Allahabad Safeda, L- 49  |
| 5          | Source of planting material.                                       | Deptt. Nursery  |
| 6          | Number of planting material.                                       | 440   |
| 7          | Number of plants planted/ rejuvenated.                             | 440   |
| 8          | Date of plants which survived (also indicate percentage survival). | 100%/ 2012-13   |
| 9          | Total amount of subsidy assistance due to the beneficiary as (Rs.) | Rs.3.42 lakh-   |
| 10         | Amount paid and date of payment.                                   | As above  |
| 11         | Mode of payment.   | By Cheque/20.6.12   |
| 12         | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well   |
| 13.        | Whether Drip/ Sprinkle System in use.                              | Drip  |
| 14.        | Other inputs provided.   |   |
| 15.        | Whether assistance available for Organic Farming                   |   |
| 16         | If so, area covered  |   |
| 17.        | Assistance available   |   |
| 18.        | Available marketing facility for the crop.                         |   |
| 19.        | Other infrastructure available in the vicinity.                    | Mulching, Poly House – 1000 sq.<br>mtr., beekeeping   |
| 20.        | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |   |
| 21.        | Any other relevant observation by the JIT.                         | <ul> <li>Papaya as inter crop</li> <li>Good health of plants, pruning required.</li> <li>In poly house, root stocks of guava, lime, mango</li> <li>Wilt in guava needs to be controlled.</li> </ul> |

#### **Protected Cultivation - NHM**

| Sr.<br>No. | Details   | Remarks  |
|------------|---|--|
| 1          | Name & address of Beneficiary whose field visited.  | Vill: Jalalpur, Chandi, Nalanda –<br>cluster of 7 farmers  |
| 2          | Total land available with the beneficiary (ha).   | 1000 sq mtr each (7000 Sq.<br>mtr.)  |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House   |
| 4.         | Year of establishment   | 2012-13  |
| 5.         | Size of Structure (Sq. m)   | 1000 sq. mtr.  |
| 6.         | Total cost  | NA   |
| 7.         | Agency involved in fabrication and installation   | Gobind Greenhouse Construction Pvt. Ltd.   |
| 8.         | Total subsidy paid and date of payment.   | NA   |
| 9.         | Crop being grown  | Vegatables   |
| 10.        | Condition of Structure  | Good   |
| 11.        | Condition of Crop   | Good   |
| 12.        | Tie up with market  | Local  |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good   |
| 14         | Any other relevant observation by JIT.  | Technical support is to be<br>provided in respect of high value<br>crops grown in poly house during<br>different seasons to farmers. |

#### **Protected Cultivation - NHM**

| Sr.<br>No. | Details   | Remarks  |
|------------|---|--|
| 1          | Name & address of Beneficiary whose field visited.  | Nirmal Ltd., Vill: Nehusa,<br>Harnaut, Nalanda |
| 2          | Total land available with the beneficiary (ha).   | 1000 sq mtr each (7000 Sq.<br>mtr.)            |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House                                     |
| 4.         | Year of establishment   | 2011-12  |
| 5.         | Size of Structure (Sq. m)   | 1000 sq. mtr.                                  |
| 6.         | Total cost  | Rs. 3.51 lakh                                  |
| 7.         | Agency involved in fabrication and installation   | NA   |
| 8.         | Total subsidy paid and date of payment.   | Rs 3.51 lakh                                   |
| 9.         | Crop being grown  | Cucumber                                       |
| 10.        | Condition of Structure  | Good   |
| 11.        | Condition of Crop   | Good   |
| 12.        | Tie up with market  | Local  |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good   |
| 14         | Any other relevant observation by JIT.  | Mites problem.                                 |

# **Project Status of Organic Farming**

| Sr. No. | Details                             | Remarks   |
|---------|-------------------------------------|---|
| 1       | Name of the project                 | Vermi Compost Unit  |
| 2       | Year of Implementation              | 2007-08   |
| 3       | Project Period                      | One year  |
| 4       | Name of Implementing Agency         | Sh Surendra Ram   |
| 5       | Location of Project                 | Vill: Deep nagar, Behar Sharif,<br>Nalanda  |
| 6       | Total Project Cost                  | Rs 60,000   |
| 7       | Amount Released by DAC              | Rs. 30,000/-  |
| 8       | Expenditure incurred                | Rs 60000 /-   |
| 9       | Status                              |   |
|         | Crops covered                       | Vegetables  |
|         | No of farmers involved              | one   |
|         | Name & address of certifying agency |   |
|         | Whether any certificate issued      |   |
|         | Observations by JIT                 | <ul> <li>Worms from KVK,<br/>Beghusarai</li> <li>Compost for self<br/>consumption and selling @<br/>Rs 6/kg., Rs 202.5 lakh<br/>realized per annum</li> </ul> |

# Post Harvest Management

| Sr. No. | Details                           | Remarks                         |
|---------|-----------------------------------|---------------------------------|
| 1       | Name of the project               | Low cost Onion Storage          |
| 2       | Year of Implementation            | 2012-13                         |
| 3       | Project Period                    | One year                        |
| 4       | Name of Beneficiary               | Sh Surendra Ram                 |
| 5       | Location of Project               | Vill: Deep nagar, Behar Sharif, |
|         |                                   | Nalanda                         |
| 6       | Total Project Cost                | Rs. 60000                       |
| 7       | Amount Released & date            | Rs.30000                        |
| 8       | Expenditure incurred              | NA                              |
| 9       | Status                            |                                 |
|         | Capacity of unit                  | 25 MT                           |
|         | Commodity                         | Onion                           |
|         | Equipments purchased              |                                 |
|         | Condition of infrastructure       |                                 |
|         | Whether NHM logo displayed        | No                              |
|         | Whether funds disbursed to agency | yes                             |
|         | Observations made by JIT          | Being utilized properly         |

# Pack House/Cold Storage/Ref Van/ Primary processing/Ripening chamber Units

# Post Harvest Management

| Sr. No. | Details                           | Remarks                              |
|---------|-----------------------------------|--------------------------------------|
| 1       | Name of the project               | Low cost Onion Storage               |
| 2       | Year of Implementation            | 2012-13                              |
| 3       | Project Period                    | One year                             |
| 4       | Name of Beneficiary               | Sh Anil Kumar                        |
| 5       | Location of Project               | Vill: Sohdhee, Behar Sharif, Nalanda |
| 6       | Total Project Cost                | Rs. 60000                            |
| 7       | Amount Released & date            | Rs.30000                             |
| 8       | Expenditure incurred              | NA                                   |
| 9       | Status                            |                                      |
|         | Capacity of unit                  | 25 MT                                |
|         | Commodity                         | Onion                                |
|         | Equipments purchased              |                                      |
|         | Condition of infrastructure       |                                      |
|         | Whether NHM logo displayed        | No                                   |
|         | Whether funds disbursed to agency | yes                                  |
|         | Observations made by JIT          | Fully functional                     |

# Pack House/Cold Storage/Ref Van/ Primary processing/Ripening chamber Units

# Area Expansion

| Sr.<br>No. | Details  | Remarks  |
|------------|--|--|
| 1          | Name & address of Beneficiary whose field visited.                 | Sh Surender Kumar, Vill:<br>Deepnagar, Nalanda   |
| 2          | Total land available with the beneficiary (ha).                    | 2 ha   |
| 3          | Crop Cluster under which covered.                                  | Fruit  |
| 4          | Name & variety of crop planted.                                    | Mango; malda, dusheri, amarpalli   |
| 5          | Source of planting material.                                       | Deptt. Nursery   |
| 6          | Number of planting material.                                       | 60   |
| 7          | Number of plants planted/ rejuvenated.                             | 60   |
| 8          | Date of plants which survived (also indicate percentage survival). | 100%/ 2007-08  |
| 9          | Total amount of subsidy assistance due to the beneficiary as (Rs.) | NA   |
| 10         | Amount paid and date of payment.                                   |  |
| 11         | Mode of payment.   |  |
| 12         | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well  |
| 13.        | Whether Drip/ Sprinkle System in use.                              | Drip   |
| 14.        | Other inputs provided.   | · ·  |
| 15.        | Whether assistance available for Organic Farming                   |  |
| 16         | If so, area covered  |  |
| 17.        | Assistance available   |  |
| 18.        | Available marketing facility for the crop.                         |  |
| 19.        | Other infrastructure available in the vicinity.                    | beekeeping   |
| 20.        | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |  |
| 21.        | Any other relevant observation by the JIT.                         | <ul> <li>Water pond recommended</li> <li>Beneficiary requested for<br/>Green House.</li> </ul> |

#### **Mushroom Cultivation**

| Sr. No. | Details                     | Remarks   |
|---------|-----------------------------|---|
| 1       | Name of the project         | Mushroom Spawn Lab  |
| 2       | Year of Implementation      | 2011-12   |
| 3       | Project Period              | One year  |
| 4       | Name of Implementing Agency | Madhu Patel,<br>Bhudha Mushroom Spawn Lab.  |
| 5       | Location of Project         | Panditpur, Rajgir, Nalanda  |
| 6       | Total Project Cost          | Rs 16 lakh  |
| 7       | Amount Released by DAC      | Rs 8 lakh   |
| 8       | Expenditure incurred        | NA  |
| 9       | Capacity                    | 100 kg/day  |
| 10      | Observation of JIT          | <ul> <li>Shitake and button mushroom produced</li> <li>Marketing at Bihar, Jharkhand, UP, @ Rs 80/kg.</li> <li>Ganoderma may be taken up and tie up with pharmaceuticals recommended</li> </ul> |

# Post Harvest Management

| Sr. No. | Details                           | Remarks   |
|---------|-----------------------------------|---|
| 1       | Name of the project               | Low cost Onion Storage – 3 farmers  |
| 2       | Year of Implementation            | 2012-13   |
| 3       | Project Period                    | One year  |
| 4       | Name of Beneficiary               | Sh Rakesh Kumar   |
| 5       | Location of Project               | Vill: Sohdhee, Behar Sharif, Nalanda  |
| 6       | Total Project Cost                | Rs. 60000 each  |
| 7       | Amount Released & date            | Rs.30000 each   |
| 8       | Expenditure incurred              | NA  |
| 9       | Status                            |   |
|         | Capacity of unit                  | 25 MT each  |
|         | Commodity                         | Onion   |
|         | Equipments purchased              |   |
|         | Condition of infrastructure       |   |
|         | Whether NHM logo displayed        | No  |
|         | Whether funds disbursed to agency | yes   |
|         | Observations made by JIT          | <ul> <li>Organic farming in potato (3ha.) and kharif onion (0.25 ha.) being cultivated.</li> <li>1<sup>st</sup> crop of kharif onion sold</li> <li>Seeds of kharif onion not available</li> <li>NHRDF to be requested for supply of certified seeds of onion</li> <li>Inter cropping of bitter gourd</li> </ul> |

# Pack House/Cold Storage/Ref Van/ Primary processing/Ripening chamber Units

# ANNEXURE- IV District: Gaya

#### Post Harvest Management

#### Pack House/Cold Storage/Ref Van/ Primary processing/Ripening chamber Units

| Sr. No. | Details                           | Remarks   |
|---------|-----------------------------------|---|
| 1       | Name of the project               | Low cost Onion Storage  |
| 2       | Year of Implementation            | 2012-13   |
| 3       | Project Period                    | One year  |
| 4       | Name of Beneficiary               | Sh Anil Kumar   |
| 5       | Location of Project               | Vill: Mirajpur, Vazirganj,Gaya  |
| 6       | Total Project Cost                | Rs. 1 lakh  |
| 7       | Amount Released & date            | Rs.90000  |
| 8       | Expenditure incurred              | Rs. 1.01 lakh   |
| 9       | Status                            |   |
|         | Capacity of unit                  | 25 MT   |
|         | Commodity                         | Onion   |
|         | Equipments purchased              |   |
|         | Condition of infrastructure       | Good  |
|         | Whether NHM logo displayed        | No  |
|         | Whether funds disbursed to agency | yes   |
|         | Observations made by JIT          | <ul> <li>Well maintained</li> <li>Newly constructed, onion yet to be stored.</li> </ul> |

#### **Protected Cultivation - NHM**

| Sr.<br>No. | Details   | Remarks  |
|------------|---|--|
| 1          | Name & address of Beneficiary whose field visited.  | Dhananjay Kumar, Vill: Bairka,<br>Atri Gaya  |
| 2          | Total land available with the beneficiary (ha).   | 2 ha   |
| 3          | Type of Protected cultivation activity (Hi-tech /<br>Normal GH, Shade net, Plastic<br>tunnel) | Poly House   |
| 4.         | Year of establishment   | 2012-13  |
| 5.         | Size of Structure (Sq. m)   | 1000 sq. mtr.  |
| 6.         | Total cost  | Rs. 9.35 lakh  |
| 7.         | Agency involved in fabrication and installation   | Safal Bio-tech Ltd.  |
| 8.         | Total subsidy paid and date of payment.   | Rs 8.41 lakh   |
| 9.         | Crop being grown  | Vegetables yet to be planted   |
| 10.        | Condition of Structure  | Good   |
| 11.        | Condition of Crop   |  |
| 12.        | Tie up with market  |  |
| 13.        | General upkeep (Very good/ Good/ Average/<br>Poor)  | Good   |
| 14         | Any other relevant observation by JIT.  | <ul> <li>GH completed without installation of drip inside. Flooding done for transplanting of vegetables.</li> <li>Subsidy should have not been released without completion</li> <li>Bed under construction, vegetables will be planted.</li> <li>Beneficiary needs technical support for plantation in GH.</li> </ul> |

# Area Expansion/WHS

| Sr.<br>No. | Details  | Remarks  |
|------------|--|--|
| 1          | Name & address of Beneficiary whose field visited.                 | Martunjaya Singh, Vill: Titeekh,<br>Gaya   |
| 2          | Total land available with the beneficiary (ha).                    | 1 ha   |
| 3          | Crop Cluster under which covered.                                  | Fruit  |
| 4          | Name & variety of crop planted.                                    | Guava – Allahabad Safeda, G-49,  |
| 5          | Source of planting material.                                       | Deptt. Nursery   |
| 6          | Number of planting material.                                       | 440  |
| 7          | Number of plants planted/ rejuvenated.                             | 440  |
| 8          | Date of plants which survived (also indicate percentage survival). | 400, 2012-13   |
| 9          | Total amount of subsidy assistance due to the beneficiary as (Rs.) | NA   |
| 10         | Amount paid and date of payment.                                   | 1 <sup>st</sup> installment of Rs. 1100 paid 2 <sup>nd</sup> and 3 <sup>rd</sup> installment due       |
| 11         | Mode of payment.   |  |
| 12         | Source of Irrigation Water<br>(Bore well/ Tube well/ Canel)        | Tube well  |
| 13.        | Whether Drip/ Sprinkle System in use.                              | Drip   |
| 14.        | Other inputs provided.   | •  |
| 15.        | Whether assistance available for Organic Farming                   |  |
| 16         | If so, area covered  |  |
| 17.        | Assistance available   |  |
| 18.        | Available marketing facility for the crop.                         |  |
| 19.        | Other infrastructure available in the vicinity.                    |  |
| 20.        | General upkeep of the plot;<br>Very good/ Good / Average/ Poor.    |  |
| 21.        | Any other relevant observation by the JIT.                         | <ul> <li>Weeding and pruning required.</li> <li>Training in canopy<br/>management required.</li> </ul> |

# Technology Dissemination through FLD

| Sr. No. | Details                              | Remarks   |
|---------|--------------------------------------|---|
| 1       | Name of the project                  | Shadenet - 1000 sq. mtr.  |
| 2       | Year of Implementation               | 2012-13   |
| 3       | Project Period                       | One year  |
| 4       | Name of Implementing Agency          | NERAMAC – Sh. Shivpujan   |
| 5       | Location of Project                  | Vill: Pipra, Block: Virajganj, Gaya   |
| 6       | Total Project Cost                   | 7 lakh  |
| 7       | Amount Released by DAC               | 7 lakh  |
| 8       | Expenditure incurred                 | 7 lakh  |
| 9       | Status of Project                    |   |
|         | Name of crop                         | Beetle vine cv. Maghai  |
|         | Technology adopted                   | Drip and fogger   |
|         | Whether location easily approachable | yes   |
|         | Whether NHM logo displayed           | yes   |
|         | Observation made by JIT              | <ul> <li>Beneficiary needs changes in shade net structure</li> <li>1<sup>st</sup> crop of betel due In December. 2013</li> <li>Problem of marketing</li> <li>Presently marketed in Varanasi due to non availability of market.</li> <li>More protection needed.</li> <li>Well maintained</li> </ul> |

# Water Resources Development

| Sr. No. | Details                               | Remarks  |
|---------|---------------------------------------|--|
| 1       | Name of the project                   | Individual Water Harvesting<br>Storage   |
| 2       | Year of Implementation                | 2012-13  |
| 3       | Project Period                        | One year   |
| 4       | Name of Implementing Agency           | Dharmender Kumar   |
| 5       | Location of Project                   | Vill: Shankar Digha, Vajirganj,  |
|         |                                       | Gaya   |
| 6       | Total Project Cost                    | 1.20lak  |
| 7       | Amount Released by DAC                | Rs. 1.08 lakh  |
| 8       | Expenditure incurred Status           | 1.20 lakh  |
| 9       | Current Status of Project             |  |
|         | • Dimension (L x B x W)               | 50x50x3  |
|         | Capacity                              | 50 lakh ha.  |
|         | Command Area                          | NA   |
|         | Whether linked with new plantation or | Paddy  |
|         | old plantation                        |  |
|         | Whether funds disbursed               | Yes  |
|         | Observations of JIT                   | <ul> <li>No plastic lining in tank</li> <li>No cemented boundary</li> <li>No fencing, not well<br/>maintained</li> <li>Tank not sustainable</li> <li>Logo displayed</li> </ul> |

#### **Mushroom Cultivation**

| Sr. No. | Details                     | Remarks  |
|---------|-----------------------------|--|
| 1       | Name of the project         | Integrated Mushroom Unit   |
| 2       | Year of Implementation      | 2011-12  |
| 3       | Project Period              | One year   |
| 4       | Name of Implementing Agency | Ms Suman Singh,  |
| 5       | Location of Project         | Shankar Bigada, Vajirganj, Gaya  |
| 6       | Total Project Cost          | Rs 50 lakh   |
| 7       | Amount Released by DAC      | No subsidy released  |
| 8       | Expenditure incurred        | NA   |
| 9       | Capacity                    | 10 ton compost   |
| 10      | Observation of JIT          | <ul> <li>Completion report submitted, subsidy yet to be released</li> <li>Modification needed in mushroom lab to avoid contamination in mushroom</li> <li>Mushroom production taken.</li> <li>Spawn production is yet to be taken up.</li> <li>All the equipments purchased</li> </ul> |

# ANNEXURE-V PHOTOGRAPHS





Mushroom cultivation in newly constructed room



Poly house with flood irrigation inside

