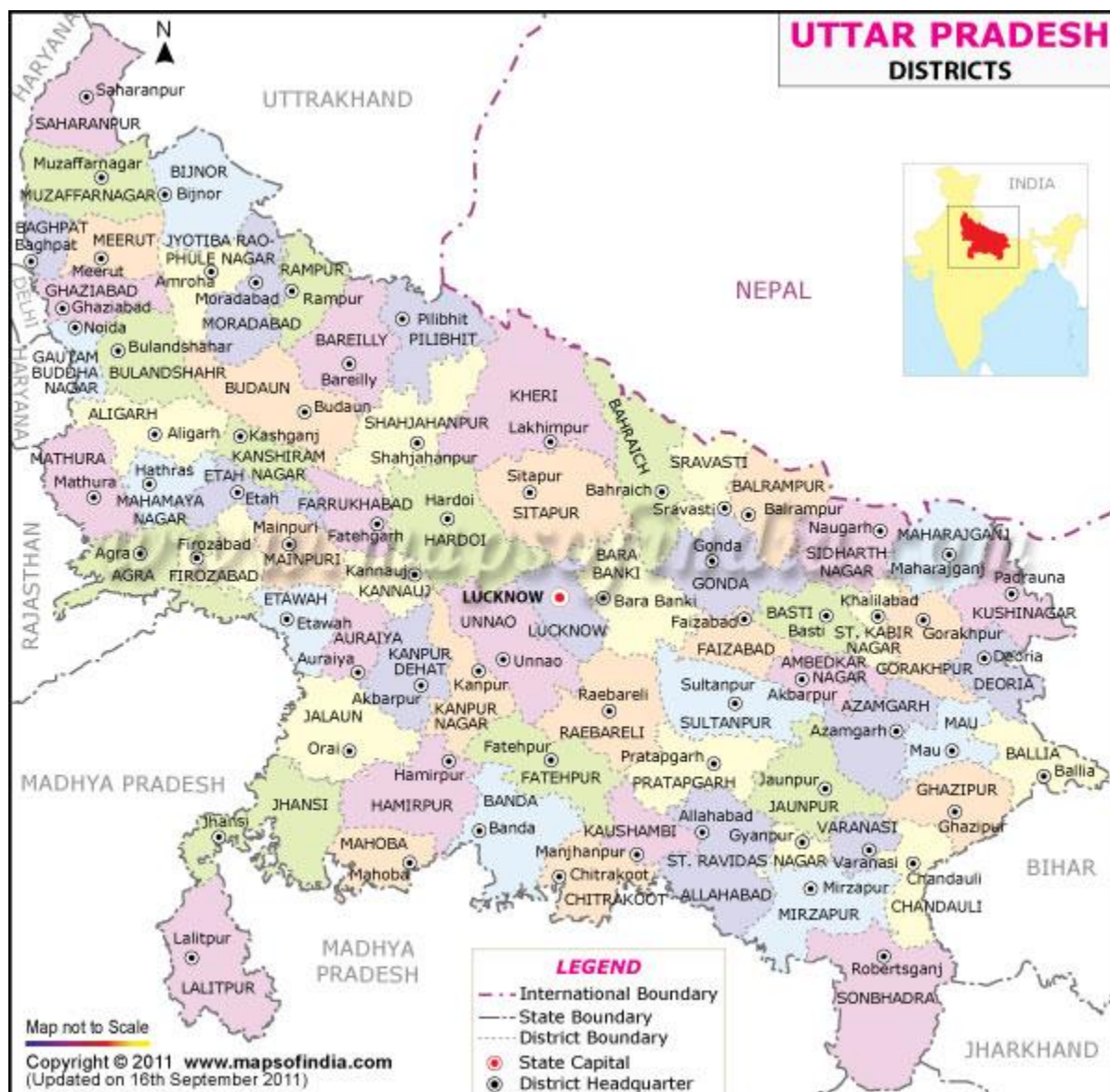


# Joint Inspection Team (JIT) Report of National Horticulture Mission Scheme For Uttar Pradesh State

State: Uttar Pradesh



## INDEX

Sl.No	Topic	Page No.
1.	General Observations	3
2.	State:Uttar Pradesh -Introduction	4
3.	Field Visits	
(i)	Visit to Allahabad District	6
(ii)	Visit to Kaushambi District	20
(iii)	Visit to Varanasi District	39
(iv)	Visit to Lucknow District	51

### Dates of Visit:-

02.9.13 to 06.9.13

### Team Members:

1. Dr. H.V.L Bathla, Chief Consultant (NHM), MoA, GoI, New Delhi.
2. Dr. A.K. Dubey, Professor CSAUA&T Kanpur.
3. Dr. Bhagwan Deen, Associate Professor NDU&T Faizabad,

## **General Observations:**

- There is delay in supply of planting material particularly tissue culture banana saplings to the farmers. Timely supply of planting material need to be ensured to the farmers because delayed planting of banana adversely affects the productivity as younger plants are more susceptible to frost.
- The infrastructure facilities like laboratories, equipments, net houses, poly houses etc created with the support of NHM at Banaras Hindu University and Horticulture Department of the State Government should be used for the benefit of the farmers also.
- Field visits and interaction of JIT with farmers revealed that farmers have not been advised properly by grass root level technical staffs accountable for execution of NHM.
- Rather than area expansion, emphasis should be given on rejuvenation of senile orchards, post harvest management, mechanization, establishment of processing units and plant nurseries.
- There is an immediate need to intensify the guava canopy management programme in Banaras and Allahabad districts.
- The benefits have been repeated either to the same farmers or to the members of same family. This deprives the other needy farmers from getting benefit under National programmes. The same farmers /family should not be selected again and again under the NHM, RKVY, and NVI etc.
- The new vegetable varieties released by the Universities should be provided to the vegetable growers.
- The Horticultural functionaries should be well trained about activities like plantation, sanitation and rejuvenation of orchard by inviting resource persons from Universities/Institutes.
- The Poly and Net Houses should be immediately taken up in use for preparation of high value sapling of fruit and vegetable nurseries.
- Under mechanization programme the name of the scheme should be well written on both sides of bonnet of the Tractor and implements provided under NHM.

## **State:Uttar Pradesh**

### **INTRODUCTION:**

Uttar Pradesh is the fifth largest State in the country in terms of area and first in terms of population. The State is bounded by Nepal on the north, Uttrakhand on the north-east, Himachal Pradesh on the northwest, Haryana on the west, Rajasthan on the south-west, Madhya Pradesh on the south and southwest and Bihar on the east. It spreads over a large area, and the plains of the State are quite different from the high mountains in the north. State is blessed with rich climatic condition, ideal for growing a large variety of horticultural crops. The sector which includes fruits, vegetable, floriculture, plantation crops, spices & medicinal and aromatic plants, has gained importance in term of enhancing income per unit area, providing nutritional security, source of raw materials for many food processing industries, earning considerable amount of foreign exchange leading to socio-economic improvement of the people of the State. Uttar Pradesh ranks third in fruit production among all States. Major fruit grown are Mango, Guava, Banana, and Litchi. The State is leading in mango production and the prime growing areas for mango are Saharanpur, Muzaffarnagar, Bijnaur, Meerut, Lucknow, Barabanki, Unnao, Sitapur and Hardoi. The overall productivity of fruits in the State is about 12.30 tons / ha. against national average of 11.9 tons / ha. The area, production & productivity of non perennial fruits registered continuous upward trend in the post NHM period while downward trend in case of perennial fruits. The State ranks second in vegetable production among all States. Major vegetables are Potato, Peas & Cabbage. It is a leading State in production of Potato & Peas and ranks second in production of Sweet Potato and 6th in production of cabbage among all the States. The productivity of vegetables in the state is 18.89 tons / ha against national average of 13.9 tons / ha. The continuous upward trend with respect to area, production & productivity of loose as well as cut flower has been ascertained during post NHM period. The important spices produced in the State are Onion (6<sup>th</sup> among States) Turmeric, Chili, Garlic, Fennel, Fenugreek and Coriander. The area under spices crop is 0.78 lakh hectare and productivity is 0.1 MT/ha. The programme is being implemented in the State of Uttar Pradesh by the State Horticulture Development Society through District Mission Committees involving farmers, Societies, NGOs, Grower Associations, SHGs, State institutions etc. The programme is being implemented in 45 districts with cluster approach. The crops identified under the programme include Mango, Litchi, Guava, Aonla, Bael, Ber, Banana, Betel vine, Spices, Aromatic Plants, Medicinal plants and flowers. Activities undertaken in the project are production and distribution of planting material (model nursery, small nursery, tissue culture units), area expansion (through establishment of new gardens), rejuvenation of existing gardens, production of vegetable seed, seed infrastructure, protected

cultivation, IPM/INM, organic farming, bee keeping, integrated development of Mushroom, development of marketing infrastructure (modern and terminal markets, rural markets, flower markets, functional infrastructure etc), Post Harvest Management( pack houses, multi chamber cold storages, C A storages, refrigerated vans, mobile processing units etc), Human Resource Development and Mission Management.

### **Geography and Climate:**

The climatic condition of U.P. varies from temperate to tropical with alluvial and clayey alluvial soils. The soil of terai region is mostly alluvial and clayey alluvial and contains sufficient quantity of carbonic materials with the average annual rainfall of this zone 115mm. Western Plain Region is very fertile region and the soil type is mostly sandy and clayey. The average annual rainfall of this zone is 700-100mm. The soils of Central Western Zone are clayey alluvial, alluvial, sandy alluvial and sandy types. The average annual rainfall of this zone is 600-965 mm. The soil of South-Western Zone is mostly of sandy, sandy alluvial, alluvial and clayey alluvial type. Some are also has saline and sodic soils. The average annual rainfall of this zone is 75mm. Major area of Central Plain Zone is covered by saline and sodic soils. Beside this, alluvial sandy, alluvial clayey and alluvial types are also found. The average annual rainfall is 850-90mm. The soil of Bundelkhand Zone is mostly rocky. The average annual rainfall is 800-100mm. The average annual rainfall in North-Eastern Plain Zone is 1000- 120mm. Major soil types of Eastern Plain region are sandy alluvial, clayey and sodic soil. The average annual rainfall is 1000-120mm. Maximum and minimum temperature range is between 40-42°C and 4°C. In Vindhya Region Zone, soils of plain are light black clay and red alluvial. The average annual rainfall of this zone is 110mm. Maximum and minimum temperature ranges between 40-49°C and 3°C. The climate of Uttar Pradesh can also vary widely, with temperature as high as 47°C in summer, and as low as -1°C in winter.

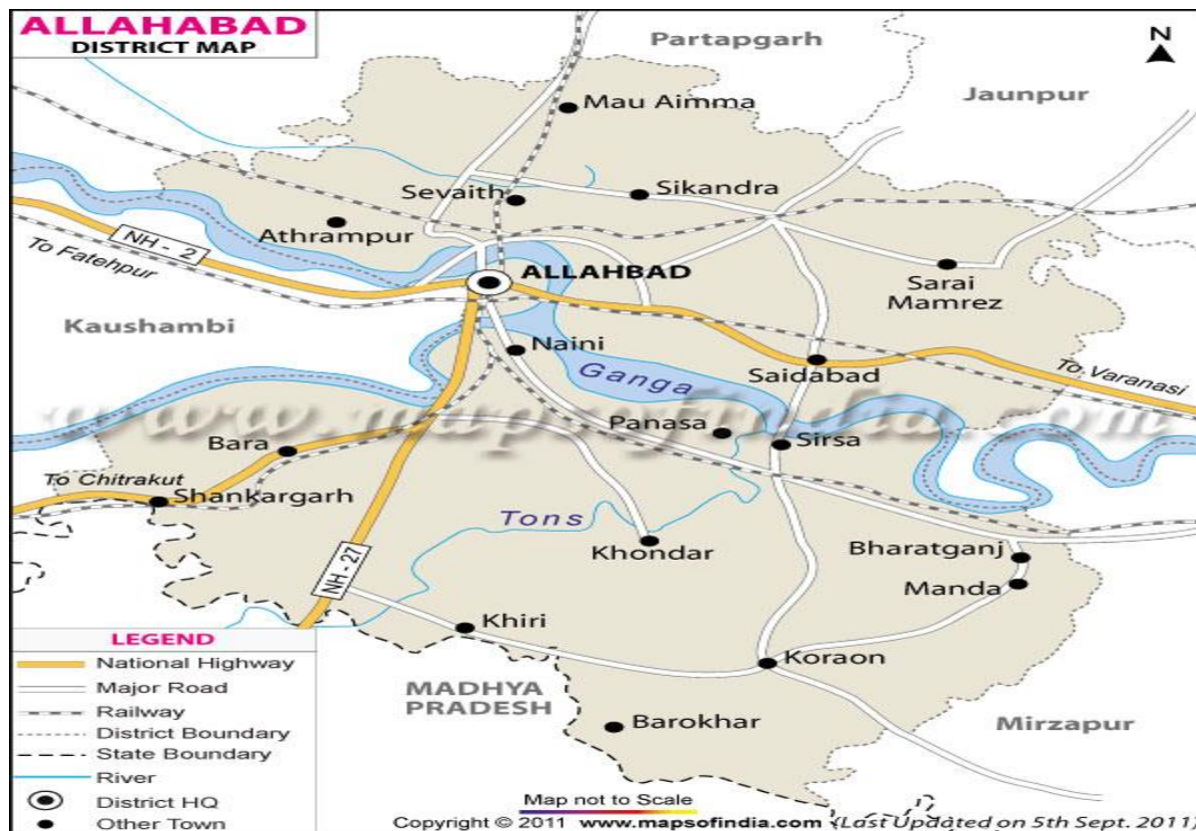
### **Seasons:**

**1. Summer (March-June):** Hot & dry (temperature rise to 45°C, sometimes 47-48°C); low relative humidity (20%); dust laden winds.

**2. Monsoon (June-September):** 85% of average annual rainfall of 990 mm. fall in temperature 40-45°C on rainy days.

**3. Winter (October-February):** Cold (temperature drop to 3-4°C, sometimes below -1°C, clear skies; foggy condition in some tracts.

## District: Allahabad



### Introduction

Allahabad also known as Prayag, is a city in the north Indian state of Uttar Pradesh in India. It is the administrative headquarters of the Allahabad District. Allahabad is the seventh most populous city in Uttar Pradesh, with an estimated population of 1.74 million living in the city and district area. In 2011, it was ranked the world's 130th fastest growing city. Allahabad city is the largest commercial center in the state; it also has the second-highest per capita income and the third greatest GDP in the state (following Kanpur).<sup>[6]</sup> Allahabad is also known as the "city of prime ministers" because post independence seven out of 13 prime minister of India belonged to Allahabad (Jawaharlal Nehru, Lal Bahadur Shastri, Indira Gandhi, Rajiv Gandhi, Gulzarilal Nanda, Vishwanath Pratap Singh and Chandra Shekhar). All these seven leaders were either born in Allahabad, were alumni of Allahabad University, or were elected from a constituency in Allahabad.<sup>[1]</sup>

The city's original name—Prayaga, or "place of offerings", comes from its position at the sacred union of the rivers Ganges, Yamuna and Saraswati. It is the second-oldest city in India and plays a central role in the Hindu scriptures. The city contains many temples and palaces. Allahabad is located in the southern part of Uttar Pradesh. It is bounded by Pratapgarh in the north, Bhadohi in the east, Rewa in the south and Kaushambi in the west. Its area is 63.07 km<sup>2</sup> (24.35 sq mi). Allahabad contains many suburbs. While the city and surroundings are governed by several municipalities, a large portion of Allahabad District is governed by the Allahabad City Council. The demonym of Allahabad is Allahabadi.

Allahabad was originally founded as Kaushambi (now a separate district) by the Kuru rulers of Hastinapur, who developed it as their capital. Since then, Allahabad has often been the political/cultural/administrative head of the entire Doab area and beyond. First as Kaushambi, then as Prathisthanpur. Later, the Mughal emperor Akbar renamed Prayag as Allahabad and made it a prominent administrative centre again. As a large and growing city, Allahabad is home to colleges and research institutions. Government offices of both central and state government lie within the city. Allahabad has hosted cultural and sporting events, including Kumbh Mela and Indira Marathon. Although Allahabad's economy was built on tourism, its main revenue now comes from real estate and financial services.

## Geography

Allahabad is located in the southern part of the state, at 25.45°N 81.84°E, and stands at the confluence of the Ganga and Yamuna rivers. The region was known in antiquity as the Vats (initially Kuru) country. To its south west is the Bundelkhand region, to its east and south east is the Baghelkhand region, to its north and north east is the Awadh region and to its west is the (lower) doab of which it itself is a part.<sup>[35]</sup> The city is divided by the railway line running through it. South of the railway line is the Old Chowk area, while the British-built Civil lines is situated in north. Allahabad stands at a strategic point both geographically and culturally. A part of the Ganga-Yamuna Doab, it is the last point of the Yamuna river, and culturally, the last point of the Indian west. As with the rest of Doab, the soil and water are predominantly alluvial in origin. The Indian GMT longitude (25.15°N 82.58°E) also passes near Allahabad. According to a United Nations Development Programme report, its wind and cyclone zone is "Low damage risk."

## Climate

Allahabad is subject to a humid subtropical climate common to cities in the plains of North India, that is designated Cwa under the Köppen climate classification. The annual mean temperature is 26.1 °C (79.0 °F); monthly mean temperatures are 18–29 °C (64–84 °F).<sup>[44]</sup> Allahabad experiences three seasons: hot dry summer, cool dry winter and

warm humid monsoon. Summer lasts from April to June with temperatures in the low 30s Celsius; during dry spells, maximum temperatures often exceed 40 °C (104 °F) in May and June. Monsoon begins in early July and lasts till September. Winter lasts from December to February. Temperatures rarely drop to freezing point. Maximum temperatures are around 22 °C (72 °F) and minimum around 9 °C (48 °F).<sup>[46]</sup> Allahabad also suffers thick fog in January resulting in massive traffic and travel delays. It does not snow in Allahabad. The highest recorded temperature is 48 °C (118.4 °F), and the lowest is -2 °C (28 °F).

Rains brought either by the Bay of Bengal branch of the south-west summer monsoon or by the Arabian Sea from the Arabian Sea branch lash Allahabad between June and September, supplying it with most of its annual rainfall of 1,027 mm (40 in). The highest monthly rainfall total, 296 mm (12 in), occurs in August. The month with the wettest weather is August when on balance 333 mm (13 in) of rain, sleet, hail or snow falls across 21 days; while driest weather is April when on balance 5 mm (0 in) of rain, sleet, hail or snow falls across one day. The city receives 2961 hours of sunshine per year, with maximum sunlight exposure occurring in May.

### Field Visit

#### List of Beneficiaries visited

<b>Sr.No.</b>	<b>Address</b>	<b>Activity</b>
<b>1</b>	Geeta Tripathi w/o S.N. Tripathi, Vill- Bajahan Mishran, Saidabad, Allahabad	Guava
<b>2</b>	Yogendra Singh , s/o Roshan Singh, Vill- Begumpur, Block- Kaudihar, Allahabad	Tissue Culture Banana
<b>3</b>	Ram Badan singh , s/o Ram Lakhan singh, Vill- Begumpur, Block- Kaudihar, Allahabad	Tissue Culture Banana
<b>4</b>	Ram Singh , s/o Jay Mangle Singh, Vill- Dhokri, Block- Bahadurpur, Allahabad	Guava
<b>5</b>	Rajesh Kumar singh , s/o Ram singh, Vill- Dhokri, Block- bahadurpur, Allahabad	Guava
<b>6</b>	Kamlesh Kumar singh , s/o Ram Singh, Vill- Dhokri, Block- Bahadurpur, Allahabad	Guava
<b>7</b>	Uday Singh , s/o Roshan Lal singh, Vill- Begumpur, Block-	Tissue Culture Banana

	Kaudihar, Allahabad	
<b>8</b>	Brahmadev Singh Khodapur, Phoolpur	Squesh, Jam, Jelly, Pickl, Murbba, Juice
<b>9</b>	Indradev Singh, Vill- Kodapur, Block- Phoolpur, Allahabad	Guava
<b>10</b>	Geeta Tripathi, Vill- bajahan Mishran, Block- Saidabad, Allahabad	Guava
<b>11</b>	Akhil Pratap Singh s/o Amit Pratap Singh Vill- Sahavpur, Block-Kaudihar, Allahabad	Guava
<b>12</b>	Amar Pratap Singh, S/o Amit Pratap Singh Vill- Sahavpur, Block-Kaudihar, Allahabad	Guava

## DETAILS OF BENEFICIARIES VISITED

### Beneficiary No.1

#### Area Expansion / Rejuvenation

Sr.	Details	Remarks
1	Name & Adress of Beneficiary whose field visited.	Geeta Tripathi w/o S.N. Tripathi, Vill- Bajahan Mishran, Saidabad, Allahabad
2	Total land available with the beneficiary (ha.)	-
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	Guava ; Allahabadi Safeda
5	Source of Planting Material.	Government Nursery
6	Number of Planting Material.	1111 Plants
7	Number of Plants planted/ rejuvenation.	1111 Plants
8	Date of Plants which survived ( also indicate percentage survival)	2 Years
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs.18333 /-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	-
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	Drip
14	Other Inputs provided.	Biofertilizers & Biopesticides

15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity.	-
20	General upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

### Beneficiary No.2

#### Area Expansion / Rejuvenation

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Yogendra Singh , s/o Roshan Singh, Vill- Begumpur, Block- Kaudihar, Allahabad
2	Total land available with the beneficiary (ha.)	02 ha.
3	Crop Cluster under which covered.	Tissue Culture Banana
4	Name & Variety of Crop Planted.	Banana G-9
5	Source of Planting Material.	Private Company ( Sheel & Shalli Biotech)
6	Number of Planting Material.	1543
7	Number of Plants planted/ rejuvenation.	1543
8	Date of Plants which survived ( also indicate percentage survival)	One Year
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs. 15601/-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
14	Other Inputs provided.	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the	-

	vicinity.	
20	General upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

### Beneficiary No.3

#### Area Expansion

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Ram Badan singh , s/o Ram Lakhan singh, Vill- Begumpur, Block- Kaudihar, Allahabad
2	Total land available with the beneficiary (ha.)	2.0 ha.
3	Crop Cluster under which covered.	Tissue Culture Banana
4	Name & Variety of Crop Planted.	Banana G-9
5	Source of Planting Material.	Private Company ( Sheel & Shalli Biotech)
6	Number of Planting Material.	3086
7	Number of Plants planted/ rejuvenation.	3086
8	Date of Plants which survived ( also indicate percentage survival)	One Year ( 96%)
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs. 31202/-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
14	Other Inputs provided.	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity.	-
20	General upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

**Beneficiary No.4****Area Expansion**

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Ram Singh , s/o Jay Mangle Singh, Vill- Dhokri, Block- Bahadurpur, Allahabad
2	Total land available with the beneficiary (ha.)	5.0 ha.
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	Guava- Allahabad Safeda, Apple Colour
5	Source of Planting Material.	Government Nursery.
6	Number of Planting Material.	277
7	Number of Plants planted/ rejuvenation.	277
8	Date of Plants which survived ( also indicate percentage survival)	Six Year ( 92%)
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
14	Other Inputs provided.	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity.	-
20	General upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

**Beneficiary No.5****Area Expansion**

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Rajesh Kumar singh , s/o Ram singh, Vill- Dhokri, Block- bahadurpur, Allahabad

2	Total land available with the beneficiary (ha.)	8.0 ha.
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	Guava ; Allahabad Safeda, Apple Colour
5	Source of Planting Material.	Government Nursery
6	Number of Planting Material.	416 Plants
7	Number of Plants planted/ rejuvenation.	416
8	Date of Plants which survived ( also indicate percentage survival)	Five Year ( 93%)
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
14	Other Inputs provided.	Biofertilizers & Biopesticides / Pesticide
15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi
19	Other infrastructure available in the vicinity.	-
20	General upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

### Beneficiary No.6

#### Area Expansion

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Kamlesh Kumar singh , s/o Ram Singh, Vill- Dhokri, Block- Bahadurpur, Allahabad
2	Total land available with the beneficiary (ha.)	8.0 ha.
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	Guava- Allahabad Safeda, Apple Colour

5	Source of Planting Material.	Government Nursery.
6	Number of Planting Material.	416 plants
7	Number of Plants planted/ rejuvenation.	416
8	Date of Plants which survived ( also indicate percentage survival)	Five Year ( 92%)
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
14	Other Inputs provided.	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity.	-
20	General upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

### Beneficiary No.7

#### Area Expansion

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Uday Singh , s/o Roshan Lal Singh, Vill- Begumpur, Block-Kaudihar, Allahabad
2	Total land available with the beneficiary (ha.)	1.5 ha.
3	Crop Cluster under which covered.	Tissue Culture Banana
4	Name & Variety of Crop Planted.	Banana G-9
5	Source of Planting Material.	Private Company ( Arkadia & K.F Biotech)
6	Number of Planting Material.	2314
7	Number of Plants planted/ rejuvenation.	2314
8	Date of Plants which survived ( also indicate percentage survival)	1.5 Year ( 96%)
9	Total amount of subsidy assistance due	Rs. 2341.5 /-

	to the beneficiary as ( Rs.)	
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
14	Other Inputs provided.	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming.	-
16	If so, Area covered.	-
17	Assistance available.	-
18	Available marketing facility for the crop.	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity.	-
20	Genral upkeep of the plot; Very good/Good/Average/Poor.	-
21	Any other relevant observation by the JIT.	-

### Beneficiary No.8

#### Post Harvest management

#### Pack House/ Cold Storage/Ref Van/Primary Processing

Sr.	Details	Remarks
1	Name of the project.	Low Cost Preservation Unit {Upgradation}
2	Year of Implementation.	2010-11
3	Project Period.	-
4	Name of Beneficiary.	Brahmadev Singh
5	Location of Project.	Khodapur, Phoolpur
6	Total Project Cost.	Rs.1,00,000 /-
7	Amount Released & Date	Rs. 50,000 /-
8	Expenditure incurred	100 %
9	Status	
10	Capacity of Unit	12 Tonnes
11	Commodity	Squesh, Jam, Jelly, Pickl, Murbba, Juice
12	Equipment purshased	Yes
13	Condition of infrastructure	Running
14	Whether NHM logo displayed	Yes
15	Whether funds disbursed to agency	-

**Beneficiary No.9****Micro Irrigation**

Sr.	Details	Remarks
1	Name & adress of Beneficiary visited	Indradev Singh, Vill- Kodapur, Block- Phoolpur, Allahabad
2	Total land available with the beneficiary ( ha.)	-
3	Type of MI system availed Drip/Sprinkler.	DRIP
4	Crop(s) Covered	GUAVA
5	Total Area covered ( ha.)	1.0 ha.
6	Crop Spacing ( for drip)	3 Mt.
7	Year of Establishment	2012-13
8	Name of Manufacturer / Supplier	Jain Irrigation , Jalgaon.
9	Total subsidi paid & date of payment	-
10	Mode of payment	Account Payee Cheque
11	Status of crop	-
12	General upkeep ( Very good/Good/Average poor)	-
13	Any other relevant observation by JIT.	-

**Beneficiary No.10****Micro Irrigation**

Sr.	Details	Remarks
1	Name & adress of Beneficiary visited	Geeta Tripathi, Vill- bajahan Mishran, Block- Saidabad, Allahabad
2	Total land available with the beneficiary ( ha.)	-
3	Type of MI system availed Drip/Sprinkler.	DRIP
4	Crop(s) Covered	GUAVA
5	Total Area covered ( ha.)	1.0 ha.
6	Crop Spacing ( for drip)	3-3 Mt.
7	Year of Establishment	2012
8	Name of Manufacturer / Supplier	Jain Irrigation , Jalgaon Maharastra
9	Total subsidi paid & date of payment	Drip Irrigation System , Installed Subsidy not Paid
10	Mode of payment	Account Payee Cheque
11	Status of crop	-
12	General upkeep ( Very	-

	good/Good/Average poor)	
13	Any other relevant observation by JIT.	-

### Beneficiary No.11

#### Rejuvenation

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Akhil Pratap Singh s/o Amit Pratap Singh Vill- Sahavpur, Block-Kaudihar, Allahabad
2	Total land available with the beneficiary (ha.)	-
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	Guava ; Allahabadi Safeda
5	Source of Planting Material.	-
6	Number of Planting Material.	-
7	Number of Plants planted/ rejuvenation.	410
8	Date of Plants which survived ( also indicate percentage survival)	2005-06 & 2006-07
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs.22140 /-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account Payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
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; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the JIT.	-

## Beneficiary No.12

### Rejuvenation

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Amar Pratap Singh, S/o Amit Pratap Singh Vill- Sahavpur, Block-Kaudiyar, Allahabad
2	Total land available with the beneficiary (ha.)	-
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	Guava ; Allahabadi Safeda
5	Source of Planting Material.	-
6	Number of Planting Material.	-
7	Number of Plants planted/ rejuvenation.	150
8	Date of Plants which survived ( also indicate percentage survival)	2005-06 & 2006-07
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs.8100 /-
10	Amount paid and date of Payment.	-
11	Mode of Payment.	Account Payee Cheque
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	-
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; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the JIT.	-

### Allahabad district photographs



#### Observations in Allahabad district:

- Black polythene sheets should be used prior to heavy weed infestation.
- The field staff of Department of Horticulture need to devote more time on the activities of NHM in the district in respect of orchard management.
- Farmers told about late supply of banana saplings by the Department..
- In the High Density guava field of Mrs. Geeta Tripathi only few plants were mulched with black polythene. Sprinkler as well as drip both are installed in the same guava field. The sprinkler was running at the time of JIT visit. The installation of both types of irrigation systems in the same field does not meet the purpose of resource (water) conservation .It seems that the farmer was not properly guided and trained by the field staff responsible for implementation of NHM in the district.
- There is a need to establish more Vermi-compost, plant nursery and poly/net house units in the district.

- The water was filled in the ripening chamber constructed at Allahabad Vegetable Mandi. Care should be taken in running and maintaining the ripening chamber in a scientific manner.
- Under area expansion, diversification is needed towards other fruits like banana and papaya from guava.
- The senile and unproductive existing old guava orchard needs rejuvenation on priority basis.
- The same farmer should not be benefited again and again under NHM.

### District: Kaushambhi



Kaushambhi (area: 2,012 sq km) is one of the districts covered by PACS in Uttar Pradesh. It is a part of Allahabad division. Manjhanpur town is the district headquarters.

The present Kaushambhi district was carved out of Allahabad district on April 4, 1997. The district of Pratapgarh is to its north, Chitrakoot to the south, Allahabad in the east, and Fatehpur district in the west.

The Ganga and Yamuna are major rivers here; they play a pivotal role in agriculture in the district. The plains area is situated between the Ganga and the Yamuna.

Around 36% of the population of Kaushambi belongs to the scheduled castes. Muslims constitute around 13% of the population.

## Field Visit

### List of Beneficiaries visited

<b>Sr.No.</b>	<b>Address</b>	<b>Activity</b>
<b>1</b>	Sri Wasim Ahmad S/o Sri Farog Ahmad, Vill-Barethi, Newada, Kaushambi	Guava
<b>2</b>	Sri Nasir Irfani S/o Sri Gulam Irfani, Vill-Barethi, Newada, Kaushambi	Guava
<b>3</b>	Sri Iquabal Rja S/o Sri Kajim Husain Vill-Thamba Alawalpur, Manjhanpur, Kaushambi	Banana Tissue Culture
<b>4</b>	Sri Ram Lautan S/o Sri Visheshar Vill-Thamba Alawalpur, Manjhanpur, Kaushambi	Banana Tissue Culture
<b>5</b>	Sri Natthu S/o Sri Sarju Vill-Thamba Alawalpur, Manjhanpur, Kaushambi	Banana Tissue Culture
<b>6</b>	Sri Maziuddin S/o Sri Hakim Ali Vill-Sihori, Muratganj, Kaushambi	Papaya
<b>7</b>	Sri Nasiruddin S/o Sri Jainuddin Vill-Sihori, Muratganj, Kaushambi	Papaya
<b>8</b>	Sri Mohd. Mukarrm S/o Sri Maziuddin Vill-Sihori, Muratganj, Kaushambi	Papaya
<b>9</b>	Sri Nasir Irfani S/o Sri Gulam Irfani, Vill-Barethi, Newada, Kaushambi	Guava
<b>10</b>	Sri Ram Lautan S/o Sri Visheshar Vill-Thamba Alawalpur, Manjhanpur, Kaushambi	Banana
<b>11</b>	Sri Natthu S/o Sri Sarju Vill-Thamba Alawalpur, Manjhanpur, Kaushambi	Banana

<b>12</b>	Jawahar Lal S/o Sri Mata Badal Nanhua Ka Pura, Manjhanpur, Kaushambi	Mechenization
<b>13</b>	Dutta Narayan S/o Sri Rmpat Gobar Sahai, Manjhanpur, Kaushambi	Mechenization
<b>14</b>	Self	Vermi compost unit
<b>15</b>	Sri Ram Naresh S/o Sri Dhuni Prasad , Vill-Patharawan, Kada, Kaushambi	Guava

### DETAILS OF BENEFICIARIES VISITED

#### Beneficiary No.1

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Wasim Ahmad S/o Sri Farog Ahmad, Vill-Barethi, Newada, Kaushambi
2	Total land available with the beneficiary (ha.)	4.25 ha.
3	Crop Cluster under which covered	Guava
4	Name & variety of crop planted	Guava- Allahabad Safeda, L-49
5	Source of planting material	Government Nuresery
6	Number of planting material	554
7	Number of plants planted/rejuvenated	554
8	Date of plants which survived (also indicate percentage survival)	Four Years (94%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	32926
10	Amount paid and date of payment	

11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	
14	Other inputs provided	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming	
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

### Beneficiary No.2

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Nasir Irfani S/o Sri Gulam Irfani, Vill-Barethi, Newada, Kaushambi
2	Total land available with the beneficiary (ha.)	4.75
3	Crop Cluster under which covered	Guava
4	Name & variety of crop planted	Guava- Allahabad Safeda, L-49
5	Source of planting material	Government Nuresery
6	Number of planting material	554
7	Number of plants planted/rejuvenated	554

8	Date of plants which survived (also indicate percentage survival)	Four Years (91%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	32926
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	Yes, Drip
14	Other inputs provided	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming	
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

### Beneficiary No.3

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Iquabal Rja S/o Sri Kajim Husain Vill-Thamba Alawalpur, Manjhanpur, Kaushambi
2	Total land available with the beneficiary (ha.)	2.4
3	Crop Cluster under which covered	Banana Tissue Culture
4	Name & variety of crop planted	Banana G-9
5	Source of planting material	Private Company (Arkadia & K.F.Biotek)
6	Number of planting material	4629

7	Number of plants planted/rejuvenated	4629
8	Date of plants which survived (also indicate percentage survival)	One Years (97%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	46803
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canal)	Tubewell
13	Whether Drip/Sprinkler System in use	Yes, Drip
14	Other inputs provided	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming	
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

#### Beneficiary No.4

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Ram Lautan S/o Sri Visheshar Vill-Thamba Alawalpur, Manjhanpur, Kaushambi
2	Total land available with the beneficiary (ha.)	3.25
3	Crop Cluster under which covered	Banana Tissue Culture
4	Name & variety of crop planted	Banana G-9
5	Source of planting material	Private Company (Arkadia & K.F.Biotek)

6	Number of planting material	6172
7	Number of plants planted/rejuvenated	6172
8	Date of plants which survived (also indicate percentage survival)	One Years (98%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	62404
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	Yes, Drip
14	Other inputs provided	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming	
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

#### Beneficiary No.5

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Natthu S/o Sri Sarju Vill-Thamba Alawalpur, Manjhanpur, Kaushambi
2	Total land available with the beneficiary (ha.)	1.5
3	Crop Cluster under which covered	Banana Tissue Culture
4	Name & variety of crop planted	Banana G-9
5	Source of planting material	Private Company (Arkadia & K.F.Biotek)

6	Number of planting material	4629
7	Number of plants planted/rejuvenated	4629
8	Date of plants which survived (also indicate percentage survival)	One Years (98%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	46803
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	Yes, Drip
14	Other inputs provided	Biofertilizers & Biopesticides
15	Whether assistance available for Organic Farming	
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

### Beneficiary No.6

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Maziuddin S/o Sri Hakim Ali Vill-Sihori, Muratganj, Kaushambi
2	Total land available with the beneficiary (ha.)	3.2
3	Crop Cluster under which covered	Papaya
4	Name & variety of crop planted	Red Lady

5	Source of planting material	Self
6	Number of planting material	6172
7	Number of plants planted/rejuvenated	6172
8	Date of plants which survived (also indicate percentage survival)	One Years (94%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	45000
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	
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	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

### Beneficiary No.7

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Nasiruddin S/o Sri Jainuddin Vill-Sihori, Muratganj, Kaushambi
2	Total land available with the beneficiary (ha.)	3
3	Crop Cluster under which covered	Papaya

4	Name & variety of crop planted	Red Lady
5	Source of planting material	Self
6	Number of planting material	3086
7	Number of plants planted/rejuvenated	3086
8	Date of plants which survived (also indicate percentage survival)	One Years (92%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	22500
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	
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	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

### Beneficiary No.8

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Mohd. Mukarrm S/o Sri Maziuddin Vill-Sihori, Muratganj, Kaushambi
2	Total land available with the beneficiary (ha.)	1.75
3	Crop Cluster under which covered	Papaya

4	Name & variety of crop planted	Red Lady
5	Source of planting material	Self
6	Number of planting material	3086
7	Number of plants planted/rejuvenated	3086
8	Date of plants which survived (also indicate percentage survival)	One Years (92%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	22500
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	
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	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

### Beneficiary No.9

S.N.	Details	Remarks
1	Name & address of Beneficiary visited	Sri Nasir Irfani S/o Sri Gulam Irfani, Vill-Barethi, Newada, Kaushambi
2	Total land available with the beneficiary (ha.)	4

3	Type of MI system availed Drip/Sprinkler	Drip
4	Crops covered	Guava
5	Total area covered (ha)	2
6	Crop Spacing (for Drip)	6 mt.
7	Year of establishment	2011-12
8	Name of Manufacturer/Supplier	Jain Irrigation, Jalgaon
9	Total subsidy paid & date of payment	30534
10	Mode of payment	Account Payee Cheque
11	Status of crop	
12	General upkeep (very good/Good/Average/Poor)	
13	Any other relevant observation by JIT	

#### Beneficiary No.10

S.N.	Details	Remarks
1	Name & address of Beneficiary visited	Sri Ram Lautan S/o Sri Visheshar Vill-Thamba Alawalpur, Manjhanpur, Kaushambi
2	Total land available with the beneficiary (ha.)	3

3	Type of MI system availed Drip/Sprinkler	Drip
4	Crops covered	Banana
5	Total area covered (ha)	2
6	Crop Spacing (for Drip)	1.5 x 1.5 mt.
7	Year of establishment	2012-13
8	Name of Manufacturer/Supplier	Jain Irrigation, Jalgaon
9	Total subsidy paid & date of payment	128404
10	Mode of payment	Account Payee Cheque
11	Status of crop	
12	General upkeep (very good/Good/Average/Poor)	
13	Any other relevant observation by JIT	

### Beneficiary No.11

S.N.	Details	Remarks
1	Name & address of Beneficiary visited	Sri Natthu S/o Sri Sarju Vill-Thamba Alawalpur, Manjhanpur, Kaushambi
2	Total land available with the beneficiary (ha.)	1.5

3	Type of MI system availed Drip/Sprinkler	Drip
4	Crops covered	Banana
5	Total area covered (ha)	1
6	Crop Spacing (for Drip)	1.5 x 1.5 mt.
7	Year of establishment	2012-13
8	Name of Manufacturer/Supplier	Jain Irrigation, Jalgaon
9	Total subsidy paid & date of payment	115564
10	Mode of payment	Account Payee Cheque
11	Status of crop	
12	General upkeep (very good/Good/Average/Poor)	
13	Any other relevant observation by JIT	

### Beneficiary No.12

S.N.	Details	Remarks
1	Name of the Project	Mechenization
2	Year of Implementation	2012-13

3	Project Period	2012-13
4	Name of Beneficiary	Jawahar Lal S/o Sri Mata Badal
5	Location of Project	Nanhua Ka Pura, Manjhanpur, Kaushambi
6	Total Project Cost	571276
7	Amount Released & Date	150000
8	Expenditure incurred	
9	Status	
	Equipments Pruchased	Tractor With Rotavetar
	Condition of infrastructure	
	Whether NHM logo displayed	Yes
	Whether funds disbursed to agency	

### Beneficiary No.13

S.N.	Details	Remarks
1	Name of the Project	Mechenization
2	Year of Implementation	2012-13

3	Project Period	2012-13
4	Name of Beneficiary	Dutta Narayan S/o Sri Rmpat
5	Location of Project	Gobar Sahai, Manjhanpur, Kaushambi
6	Total Project Cost	471000
7	Amount Released & Date	150000
8	Expenditure incurred	
9	Status	
	Equipments Pruchased	Tractor With Levelar
	Condition of infrastructure	
	Whether NHM logo displayed	Yes
	Whether funds disbursed to agency	

#### Beneficiary No.14

S.N.	Details	Remarks
1	Name of the Project	Vermi Compost Unit
2	Year of Implementation	2012-13

3	Project Period	2012-13
4	Name of Implementing Agency	Self
5	Location of Project	Bhelakha, Manjhanpur, Kaushambi
6	Total Project Cost	60000
7	Amount Released by DAC	30000
8	Expenditure incurred Status	

#### Beneficiary No.15

S.N.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Sri Ram Naresh S/o Sri Dhuni Prasad , Vill-Patharawan, Kada, Kaushambi
2	Total land available with the beneficiary (ha.)	4.25 ha.
3	Crop Cluster under which covered	Guava
4	Name & variety of crop planted	Guava- Allahabad Safeda, L-49
5	Source of planting material	Self
6	Number of planting material	138
7	Number of plants planted/rejuvenated	138
8	Date of plants which survived (also indicate percentage survival)	OneYears (94%)

9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	7500
10	Amount paid and date of payment	
11	Mode of payment	Account Payee Cheque
12	Source of Irrigation water (Borewell/Tubewell/Canel)	Tubewell
13	Whether Drip/Sprinkler System in use	
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	Yes, Mundera Mandi & Local Market
19	Other infrastructure available in the vicinity	
20	General upkeep of the plot; very good/Good/Average/Poor	
21	Any Other Relevant Observation by the JIT	

## District Kaushambhi photographs



**Sri Wasim Ahmad S/o Sri Farog Ahmad Vill- Barethi,  
Newada, Distt- Kaushambi**



**Sri Nasir Irfani S/o Sri Gulam Irfani  
Vill- Barethi, Block- Newada, Distt- Kaushambi**



**Sri Natthu S/o Sri Sarju  
Vill- Thamba Alawalpur, Manjhanpur, Kaushambi**

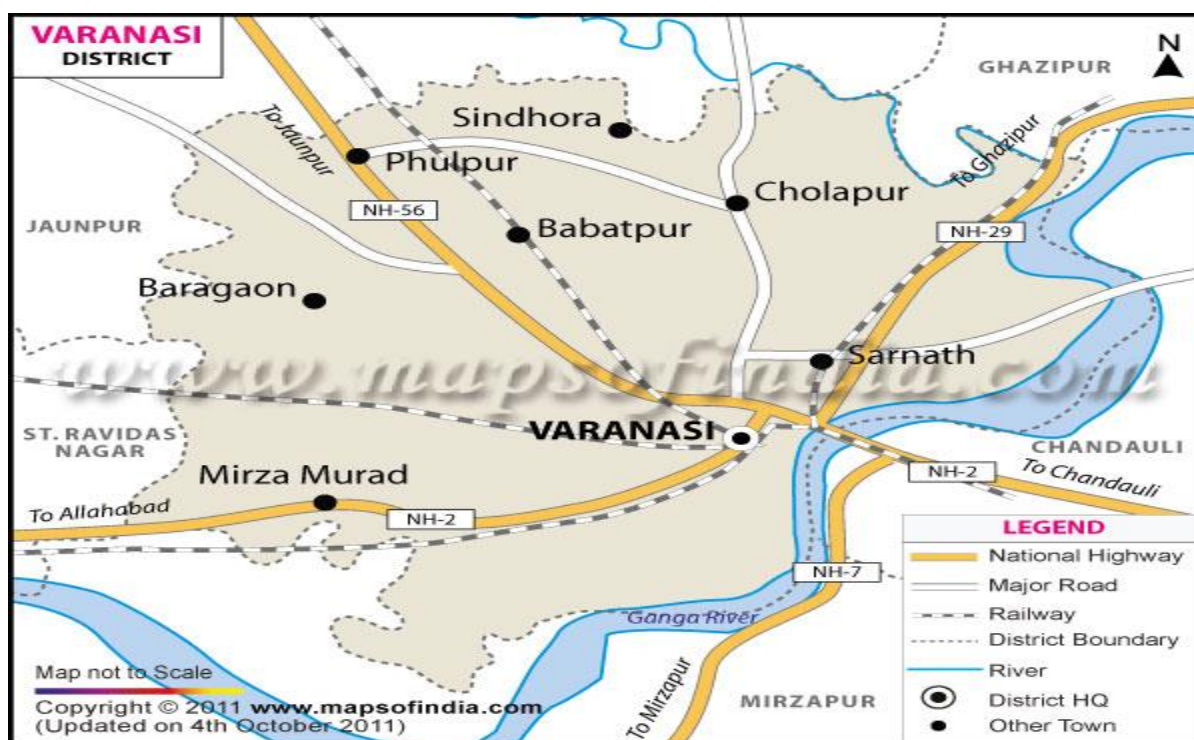


**Sri Dutta Narayan S/o Sri Rmat Vill- Gobar Sahai,  
& Sri Jawahar Lal  
Manjhanur, Kaushambi**

### Observations in Kaushambi district:

- Mr. Nasir Irfani planted banana as inter-crop in guava plantation from protection of animal grazing. This practice need to be discouraged and other small crops can be sown in new plantation of guava.
- Under mechanization programme large number of tractors were provided to the farmers but the plate pertaining to NHM subsidy was not there on any tractor.
- It was noticed that banana was irrigated by flooding water although drip system was installed in the field. The practice of drip irrigation should be encouraged in the banana fields.
- More attention should be given on rejuvenation, protected cultivation, ripening chamber and nursery establishment in the district.

### District: Varanasi



## **Introduction**

Varanasi (Hindustani pronunciation also Benares, Banaras (Banāras or Kashi is a city on the banks of the Ganges (Ganga) in Uttar Pradesh, 320 kilometres (200 mi) southeast of the state capital, Lucknow. It is holiest of the seven sacred cities (Sapta Puri) in Hinduism and Jainism. Hindus believe that death at Varanasi brings salvation. It is one of the oldest continuously inhabited cities in the world and the oldest in India.

Many of its temples were plundered and destroyed by Mohammad Ghauri in the 12th century. The temples and religious institutions in the city now are dated to the 18th century.

The Kashi Naresh (Maharaja of Kashi) is the chief cultural patron of Varanasi, and an essential part of all religious celebrations. The culture of Varanasi is closely associated with the Ganges. The city has been a cultural center of North India for several thousand years, and has a history that is older than most of the major world religions. The Benares Gharana form of Hindustani classical music was developed in Varanasi, and many prominent Indian philosophers, poets, writers, and musicians live or have lived in Varanasi. Gautama Buddha gave his first sermon at Sarnath located near Varanasi.

Varanasi is the spiritual capital of India. Scholarly books have been written in the city, including the Ramcharitmanas of Tulsidas. Today there is a temple of his namesake in the city, the Tulsi Manas Mandir. One of the largest residential universities of Asia the Banaras Hindu University is located here. Varanasi is often referred to as "the city of temples", "the holy city of India", "the religious capital of India", "the city of lights", "the city of learning", and "the oldest living city on earth."

## **Geography and Climate**

Varanasi is located in the middle Ganges valley of North India, in the Eastern part of the state of Uttar Pradesh, along the left crescent-shaped bank of the Ganges, averaging between 50 feet (15 m) and 70 feet (21 m) above the river. It has the headquarters of Varanasi district. By road, Varanasi is located 797 kilometres (495 mi) southeast of New Delhi, 320 kilometres (200 mi) southeast of Lucknow, 121 kilometres (75 mi) east of Allahabad, and 63 kilometres (39 mi) south of Jaunpur. The "Varanasi Urban Agglomeration" – an agglomeration of seven urban sub-units – covers an area of 112.26 km<sup>2</sup> (approximately 43 mi<sup>2</sup>). The urban agglomeration is stretched between 82° 56'E – 83° 03'E and 25° 14'N – 25° 23.5'N. Neighbourhoods of the city include Adampura, Kotwali, Jaitpura, Dhupchandi, Chaukaghat, Kail Garh, Guru Nanak Nagar, Chaitganj, Naipokhari, Sigra, Maulvibagh, Siddhagiribagh, Bulanala, Chowk, Bangali Tola, Luxa, Khanna, Gopal Vihar, Giri Nagar, Mahmoorganj, Maheshpur, Bhelpura,

Shivala, Anandbagh, Nagwar, Dumraon, Gandhinagar, and Gautam Nagar, Lanka Manduadih.

Being located in the Indo-Gangetic Plains of North India, the land is very fertile because low level floods in the Ganges continually replenish the soil. Varanasi is often said to be located between two confluences: one of the Ganges and Varuna, and other of the Ganges and Assi, although the latter has always been a rivulet rather than a river. The distance between the two confluences is around 2.5 miles (4.0 km), and religiousHindus regard a round trip between these two places – a Pancha-kroshi Yatra (a five-mile (8.3 km) journey) ending with a visit to a Sakshi Vinayak Temple – as a holy ritual.

### **Climate**

Varanasi experiences a humid subtropical climate (Köppen climate classification Cwa) with large variations between summer and winter temperatures. Summers are long, from early April to October with intervening monsoon seasons, and are also extremely hot, even by South Asian standards. The temperature ranges between 22 and 46 °C (72 and 115 °F) in the summers. Winters in Varanasi see very large diurnal variations, with warm days and downright cold nights. Cold waves from the Himalayan region cause temperatures to dip across the city in the winter from December to February and temperatures below 5 °C (41 °F) are not uncommon. The average annual rainfall is 1,110 mm (44 in). Fog is common in the winters, while hot dry winds, called loo, blow in the summers. In recent years, the water level of the Ganges has decreased significantly; upstream dams, unregulated water extraction, and dwindling glacial sources due to global warming may be to blame.

### **Field Visit**

#### **List of Beneficiaries visited**

<b>Sr.No.</b>	<b>Address</b>	<b>Activity</b>
<b>1</b>	Smt. Dhiraji Dewi w/o Kripashankar Yadav Village-Barai. Block-Chiraigaon, Varanasi.	Guava
<b>2</b>	Shri Ram Briksha s/o Ram Dular Village-Barai Block-chiraigaon	Guava
<b>3</b>	Shri Harishankar Yadav s/o Panchu Village-Barai Block- chiraigaon, Dist-Varanasi	Guava
<b>4</b>	Shri Ram Narain Maurya s/o Mahadev Maurya Village-Barai	Guava

	Block-chiraigaon, Dist-Varanasi	
<b>5</b>	Shri Sabhajeet Maurya s/o Mahadev Maurya Village-Barai Block-chiraigaon, Dist-Varanasi	Guava
<b>6</b>	Rajesh Kumar Singh s/o Rajendra	Production of Vermi Compost
<b>7</b>	IFFCO Foundation Village & post – Babiaon, Block-Cholapur, District-varanasi	Guava-Lalit, Sweta, Alahabad Safeda, Pant Prabhat, Gwalior-27, BiHi-1, Sangam G.Bilas, Surkha
<b>8</b>	Shri Kitabu Yadav s/o Jaidev Village-Gaurakala, Block-chiraigaon, Dist-Varanasi	Guava
<b>9</b>	Shri Harishchandra s/o Shivanandan Village-Gaurakala, Block-chiraigaon, Dist-Varanasi	Guava
<b>10</b>	Shri Deepchandra s/o Late Sukhadev chiraigaon, Varanasi	Guava

## DETAILS OF BENEFICIARIES VISITED

### Beneficiary No.1

#### Area Expansion & Rejuvenation

<b>S.N.</b>	<b>Details</b>	<b>Remarks</b>
1	Name and address of Beneficiary who visited.	Smt. Dhiraji Dewi w/o Kripashankar Yadav Village-Barai. Block-Chiraigaon, Varanasi.
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	L-49, Allahabad Safeda
5	Source of Planting material.	Govt. Nursery
6	Number of Planting material.	139
7	Number of plans planted/Rejuvenated	---
8	Date of Plants which survived (also indicate percentage survival)	100%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	First Year - 9877.00 Second Year - 3293.00

10	Amount paid and date of payment.	In form of Inputs
11	Mode of payment	Inputs
12	Source of Irrigation water (bore well/Tube well/Canal)	Tube Well
13	Whether Drip/Sprinkle System in us	No
14	Other inputs provided.	Yes
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---
18	Available marketing facility for the crop	Local Market
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

### Beneficiary No.2

#### Are Expansion & Rejuvenation

S.N.	Details	Remarks
1	Name and address of Beneficiary who visited.	Shri Ram Briksha s/o Ram Dular Village-Barai Block-chiraigaon
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	L-49, Allahabad Safeda
5	Source of Planting material.	Govt. Nursery
6	Number of Planting material.	249
7	Number of plans planted/Rejuvenated	---
8	Date of Plants which survived (also indicate percentage survival)	100%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	First Year - 9877.00 Second Year - 3293.00
10	Amount paid and date of payment.	Beneficiary has been provided In form of Inputs
11	Mode of payment	Inputs
12	Source of Irrigation water (bore well/Tube well/Canal)	Submersible Pump
13	Whether Drip/Sprinkle System in us	No
14	Other inputs provided.	Yes
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---

18	Available marketing facility for the crop	Local Market
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

### Beneficiary No.3

#### Area Expansion & Rejuvenation

S.N.	Details	Remarks
1	Name and address of Beneficiary who visited.	Shri Harishankar Yadav s/o Panchu Village-Barai Block- chiraigaon, Dist-Varanasi
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	L-49, Allahabad Safeda
5	Source of Planting material.	Govt. Nursery
6	Number of Planting material.	416
7	Number of plans planted/Rejuvenated	---
8	Date of Plants which survived (also indicate percentage survival)	95%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	First Year - 9877.00 Second Year - 3293.00
10	Amount paid and date of payment.	In form of Inputs
11	Mode of payment	Inputs
12	Source of Irrigation water (bore well/Tube well/Canal)	Tube Well
13	Whether Drip/Sprinkle System in us	---
14	Other inputs provided.	Yes
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---
18	Available marketing facility for the crop	Local Market
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

**Beneficiary No.4****Area Expansion & Rejuvenation****(High Density)**

<b>S.N.</b>	<b>Details</b>	<b>Remarks</b>
1	Name and address of Beneficiary who visited.	Shri Ram Narain Maurya s/o Mahadev Maurya Village-Barai Block-chiraigaon, Dist-Varanasi
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	L-49, Allahabad Safeda
5	Source of Planting material.	Govt. Nursery
6	Number of Planting material.	445
7	Number of plans planted/Rejuvenated	---
8	Date of Plants which survived (also indicate percentage survival)	100%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	First Year - 18833.00
10	Amount paid and date of payment.	In form of Inputs
11	Mode of payment	Inputs
12	Source of Irrigation water (bore well/Tube well/Canal)	Submersible Pump
13	Whether Drip/Sprinkle System in us	No
14	Other inputs provided.	Yes
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---
18	Available marketing facility for the crop	Local Market
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

**Beneficiary No.5****Area Expansion & Rejuvenation****(High Density)**

<b>S.N.</b>	<b>Details</b>	<b>Remarks</b>
1	Name and address of Beneficiary who visited.	Shri Sabhajeet Maurya s/o Mahadev Maurya Village-Barai Block-chiraigaon, Dist-Varanasi
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	L-49, Allahabad Safeda
5	Source of Planting material.	Govt. Nursery
6	Number of Planting material.	445
7	Number of plans planted/Rejuvenated	---
8	Date of Plants which survived (also indicate percentage survival)	100%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	First Year - 18833.00
10	Amount paid and date of payment.	In form of Inputs
11	Mode of payment	Inputs
12	Source of Irrigation water (bore well/Tube well/Canal)	Submersible Pump
13	Whether Drip/Sprinkle System in us	---
14	Other inputs provided.	Yes
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---
18	Available marketing facility for the crop	Local Market
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

**Beneficiary No.6****Area Expansion & Rejuvenation****(Vermi Compost Unit)**

<b>S.N.</b>	<b>Details</b>	<b>Remarks</b>
1	Name of the project	Vermi Compost Unit Permanent Structure
2	Year of Implementation	2010-11
3	Project Period	2010-11
4	Name Of Implementing Agency	District Horticulture Mission, Varanasi
5	Location of Project	Gosaipur Mohaon, Harahua
6	Total Project cost	60,000.00
7	Amount Released by DAC	30,000.00
8	Expenditure incurred Status	---
9	<b>Status</b>	
	• Crops Covered	Production of Vermi Compost
	• No of Farmers involved	One
	• Name & Address of Certifying agency	---
	• Whether any certificate	---
10	Name of Beneficiary	Rajesh Kumar Singh s/o Rajendra

**Beneficiary No.7****Area Expansion & Rejuvenation****(Nursery)**

<b>S.N.</b>	<b>Details</b>	<b>Remarks</b>
1	Name of the project	Nursery
2	Year of Implementation	2011
3	Project Period	2010-11
4	Name Of Implementing Agency	IFFCO Foundation
5	Location of Project	Village & post – Babiaon, Block-Cholapur, District- varanasi
6	Total Project cost	3.00 Lakh
7	Amount Released by DAC	---
8	Expenditure incurred Status	3.00 Lakh

9	<b>Status</b>	
	<ul style="list-style-type: none"> <li>Name of Nursery and crop which plants are produced</li> </ul>	Jai Shree Nursery
	<ul style="list-style-type: none"> <li>Name of crops for which produced</li> </ul>	Guava-Lalit, Sweta, Alahabad Safeda, Pant Prabhat, Gwalior-27, BiHi-1, Sangam G.Bilas, Surkha
	<ul style="list-style-type: none"> <li>Quantity Produced</li> </ul>	48,000.00
	<ul style="list-style-type: none"> <li>Quantity Sold</li> </ul>	45,000.00
	<ul style="list-style-type: none"> <li>Rate</li> </ul>	25/- Per plant
	<ul style="list-style-type: none"> <li>Amount Realized through</li> </ul>	---
	<ul style="list-style-type: none"> <li>Whether NHM logo displayed</li> </ul>	

### Beneficiary No.8

#### Area Expansion & Rejuvenation

S.N.	Details	Remarks
1	Name and address of Beneficiary who visited.	Shri Kitabu Yadav s/o Jaidev Village-Gaurakala, Block-chiraigaon, Dist-Varanasi
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	
5	Source of Planting material.	
6	Number of Planting material.	69
7	Number of plans planted/Rejuvenated	69
8	Date of Plants which survived (also indicate percentage survival)	100%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	3750.00
10	Amount paid and date of payment.	1375.00
11	Mode of payment	Labor Component Rs. 1375 by cheque
12	Source of Irrigation water (bore well/Tube well/Canal)	Tube well
13	Whether Drip/Sprinkle System in us	No
14	Other inputs provided.	Dichlorovas, Copper-oxy-chloride, Dimethioate, P.G.P.R. SAW
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---

18	Available marketing facility for the crop	Paharia Mandi Varanasi
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

### Beneficiary No.9

#### Area Expansion & Rejuvenation

S.N.	Details	Remarks
1	Name and address of Beneficiary who visited.	Shri Harishchandra s/o Shivanandan Village-Gaurakala, Block- chiraigaon, Dist-Varanasi
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	
5	Source of Planting material.	
6	Number of Planting material.	138
7	Number of plans planted/Rejuvenated	138
8	Date of Plants which survived (also indicate percentage survival)	100%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	7500.00
10	Amount paid and date of payment.	2750.00
11	Mode of payment	Labour Component Rs. 2750 by cheque
12	Source of Irrigation water (bore well/Tube well/Canal)	Tube well
13	Whether Drip/Sprinkle System in us	No
14	Other inputs provided.	Dichlorovas, Copper-oxy-chloride, Dimethioate, P.G.P.R. SAW
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---
18	Available marketing facility for the crop	Paharia Mandi Varanasi
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

### Beneficiary No.10

#### Area Expansion & Rejuvenation

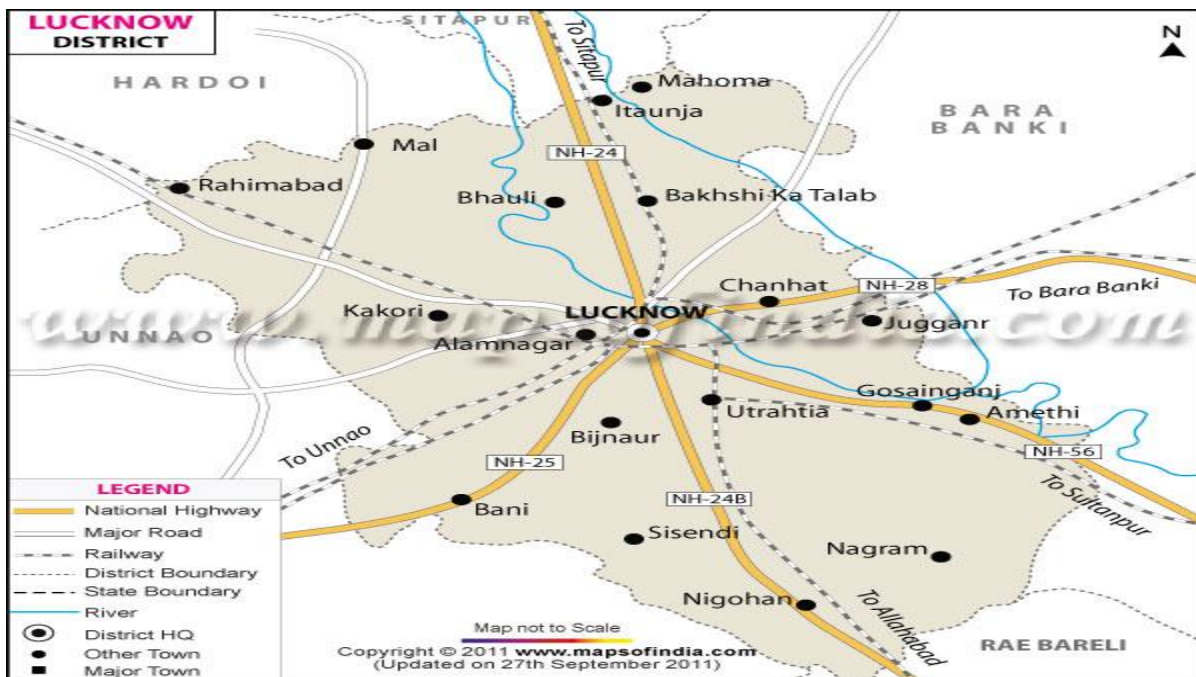
S.N.	Details	Remarks
1	Name and address of Beneficiary who visited.	Shri Deepchandra s/o Late Sukhadev chiraigaon, Varanasi
2	Total land available with the beneficiary	
3	Crop Cluster under which covered.	Guava
4	Name & Variety of Crop Planted.	
5	Source of Planting material.	
6	Number of Planting material.	138
7	Number of plans planted/Rejuvenated	138
8	Date of Plants which survived (also indicate percentage survival)	90%
9	Total amount of subsidy assistance the beneficiary as (Rs.)	7500.00
10	Amount paid and date of payment.	2750.00
11	Mode of payment	Labour Component Rs. 2750 by cheque
12	Source of Irrigation water (bore well/Tube well/Canal)	Tube well
13	Whether Drip/Sprinkle System in us	No
14	Other inputs provided.	Dichlorovas, Copper-oxy-chloride, Dimethioate, P.G.P.R. SAW
15	Whether assistance available for organic farming	---
16	If so, area covered	---
17	Assistance available	---
18	Available marketing facility for the crop	Paharia Mandi Varanasi
19	Other Infrastructure available in the	---
20	General upkeep of the plot; Very good/Good/Average/Poor.	Very Good
21	Any other relevant observation by the	---

#### Observations in Varanasi district:

- The preservation centre is preparing mainly pickles. However, there is a wide scope for guava jelly during winter season.
- Many orchardists did not use any type of fungicide paste during rejuvenation of guava plantation.

- Mostly farmers told that after some time guava plants slowly turned to drying in full blooming phase. However, some plants become infested by girdle beetle.
- Farmers were not aware about the benefits of rejuvenation and canopy management in guava orchards. There is a need to train them about canopy management and aftercare of rejuvenated orchards.
- Some farmers expressed doubt about canopy management and guava pruning. The literatures on guava canopy management may be prepared in Hindi and distributed among the farmers.
- In the district sufficient area has already been covered under guava. Therefore, there is a need to encourage rejuvenation in guava orchards.
- The mechanization and post harvest management components of the programmes need more attention in the district.
- The leaf/tissue analysis, tissue culture and Trichoderma production laboratories supported under NHM at Banaras Hindu University are only being utilized for student research. The bottlenecks may be removed to ensure their utility for the farmers.

### District: Lucknow



**Introduction:**

It lies at 26 degree 30 minutes and 27 degree 10 minutes north latitude and 80 degree 30 minutes and 81 degree 13 minutes east longitude. Lucknow covers an area of 2528 sq km. Lucknow District has uniformed tropical climate. The temperature varies from 45 degree Celsius in summer to 5 degree Celsius in winter season. Average rainfall is 1000 mm per annum. The main fruit crops are mango, guava, Banana; vegetables and floricultural crops. . Mangoes grown in the district are exported to other countries. The Joint Inspection team visited Kakori, Malihabad, Bakshi Ka Talab, and Gushaiganj blocks of Lucknow district .Team also visited nursery of CISH (ICAR), Rehmankhura .CISH is producing disease free elite seedlings of recommended varieties of Mango, Guava and Aonla. Team visited Malihabad block area expansion programme in cluster of Mango and Aonla. It is observed that there are many old orchards which needs to be rejuvenated. Team visited a cluster of Banana in a area of about 75 ha. at Ahmedpur Kherda. Mr.Habib Khan established a good plantation with tissue culture seedlings of Banana var. Grand Nene. The financial outlay of the district was Rs.488.60 lakh and out of which expenditure was made for Rs.118.47 lakh (up to Dec.2010) i.e. 24.24%.

**Field Visit****List of Beneficiaries visited**

<b>Sr.No.</b>	<b>Address</b>	<b>Activity</b>
<b>1</b>	Sri Mata Prasad S/o, Sri Rameshwar Singh Vill. Sonikpur Palpur B.K.T	Hybrid Spong Gourd (Sita)
<b>2</b>	Sri. Anil Kumar Singh S/o Sri Surya Bakshi Singh Vill Raipur Raja Block-B.K.T	Open Cowpea (Kashi Kanchan)
<b>3</b>	Sri. Rajesh Pandey S/o Sri Bhagwati Prasad Panday Vill Turki, Block-B.K.T.	Open Chilli (Jwala)
<b>4</b>	Mrs. Bitan W/o Sr. Kishan Lal Vill.- Sonikpur palpur Block B.K.T	Open Cowpea (Kashi Kanchan)

**DETAILS OF BENEFICIARIES VISITED****Beneficiary No.1****Area Expansion / Rejuvenation**

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Sri Mata Prasad S/o, Sri Rameshwar Singh Vill. Sonikpur Palpur B.K.T
2	Total land available with the beneficiary (ha.)	1.4 ha
3	Crop Cluster under which covered.	0.7 ha
4	Name & Variety of Crop Planted.	Hybrid Spong Gourd (Sita)
5	Source of Planting Material.	NEFED, Aliganj, Lucknow
6	Number of Planting Material.	1.05 kg.
7	Number of Plants planted/ rejuvenation.	1.05 ka
8	Date of Plants which survived (also indicate percentage survival)	26.03.2013
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs. 15050
10	Amount paid and date of Payment.	03.05.2013
11	Mode of Payment.	Hybrid Spong Gourd
12	Source of Irrigation Water (Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	
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; Very good/Good/Average/Poor.	
21	Any other relevant observation by the JIT.	

### Beneficiary No.2

#### Area Expansion / Rejuvenation

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Sri. Anil Kumar Singh S/o Sri Surya Bakshi Singh Vill Raipur Raja Block-B.K.T
2	Total land available with the beneficiary (ha.)	0.35 ha
3	Crop Cluster under which covered.	0.3 ha
4	Name & Variety of Crop Planted.	Open Cowpea (Kashi Kanchan)

5	Source of Planting Material.	NACOF, Indra Nagar, Lucknow
6	Number of Planting Material.	4.2 kg
7	Number of Plants planted/ rejuvenation.	4.2 kg
8	Date of Plants which survived ( also indicate percentage survival)	27.03.2013
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs. 6750
10	Amount paid and date of Payment.	03.05.2013
11	Mode of Payment.	Open Cowpea (Kashi Kanchan)
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	
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; Very good/Good/Average/Poor.	
21	Any other relevant observation by the JIT.	

### Beneficiary No.3

#### Area Expansion / Rejuvenation

Sr.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Sri. Rajesh Pandey S/o Sri Bhagwati Prasad Pandey Vill Turki, Block-B.K.T.
2	Total land available with the beneficiary (ha.)	1.0 ha
3	Crop Cluster under which covered.	0.5 ha
4	Name & Variety of Crop Planted.	Open Chilli (Jwala)
5	Source of Planting Material.	NEFED, Aliganj, Lucknow
6	Number of Planting Material.	0.5 kg
7	Number of Plants planted/ rejuvenation.	0.5 kg
8	Date of Plants which survived ( also indicate percentage survival)	28.03.2013
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs. 11250
10	Amount paid and date of Payment.	03.05.2013

11	Mode of Payment.	Open Chilli (Jwala)
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	
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	Genral upkeep of the plot; Very good/Good/Average/Poor.	
21	Any other relevant observation by the JIT.	

#### Beneficiary No.4

#### Area Expansion / Rejuvenation

Sr.	Details	Remarks
1	Name & Adress of Beneficiary whose field visited.	Mrs. Bitan W/o Sr. Kishan Lal Vill.- Sonikpur palpur Block B.K.T
2	Total land available with the beneficiary (ha.)	0.5 ha
3	Crop Cluster under which covered.	0.5 ha
4	Name & Variety of Crop Planted.	Open Cowpea (Kashi Kanchan)
5	Source of Planting Meterial.	NACOF, Indra Nagar, Lucknow
6	Number of Planting Meterial.	7 kg
7	Number of Plants planted/ rejuvenation.	7 kg
8	Date of Plants which survived ( also indicate percentage survival)	27.03.2013
9	Total amount of subsidy assistance due to the beneficiary as ( Rs.)	Rs. 11250
10	Amount paid and date of Payment.	03.05.2013
11	Mode of Payment.	Open Cowpea (Kashi Kanchan)
12	Source of Irrigation Water ( Bore well / Tube well/Canal)	Tube well
13	Whether Drip/ Sprinkler System in use.	
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	Genral upkeep of the plot; Very good/Good/Average/Poor.	
21	Any other relevant observation by the JIT.	

### District Lucknow Photographs:



**Observations in Lucknow district:**

- Under Vegetable Initiative Programme many farmers got the vegetable seeds very late from the Department.
- The chilli crop was affected by the wilt disease causing mortality of the crop in full blooming and fruiting phase.
- The register of the beneficiaries of the vegetable growers maintained by the Department of Horticulture was not signed by the farmers.
- Govt. Horticultural Experiment Training Centre, Malihabad has constructed two Net and two Poly Houses but till date both structures are not in use.
- The drip and sprinkler system was installed in the same field. This would have to be discouraged.
- Farmers were unable to tell the name of inputs that have been given to them under the Vegetable Initiative Programme.
- The repetition of benefits to the same farmers/family members has been observed.

**Department of Agriculture & Cooperation,  
(National Horticulture Mission), Krishi Bhawan,  
New Delhi 110001.**

The Joint Inspection Team (JIT) visited different districts of Uttar Pradesh State during 2.9.2013 to 6.9.2013. Enclosed herewith is the JIT Report pertaining to this visit. The report alongwith JIT observations (Flag A) is enclosed herewith for kind perusal. Draft letter addressed to Principal Secretary (Horticulture & Food Processing), (Flag B) is also enclosed for kind approval.

**Submitted please.**

**(H.V.L.Bathla)**

**Chief Consultant (NHM)**

**ADC (AV)**

**JS (NHM)**