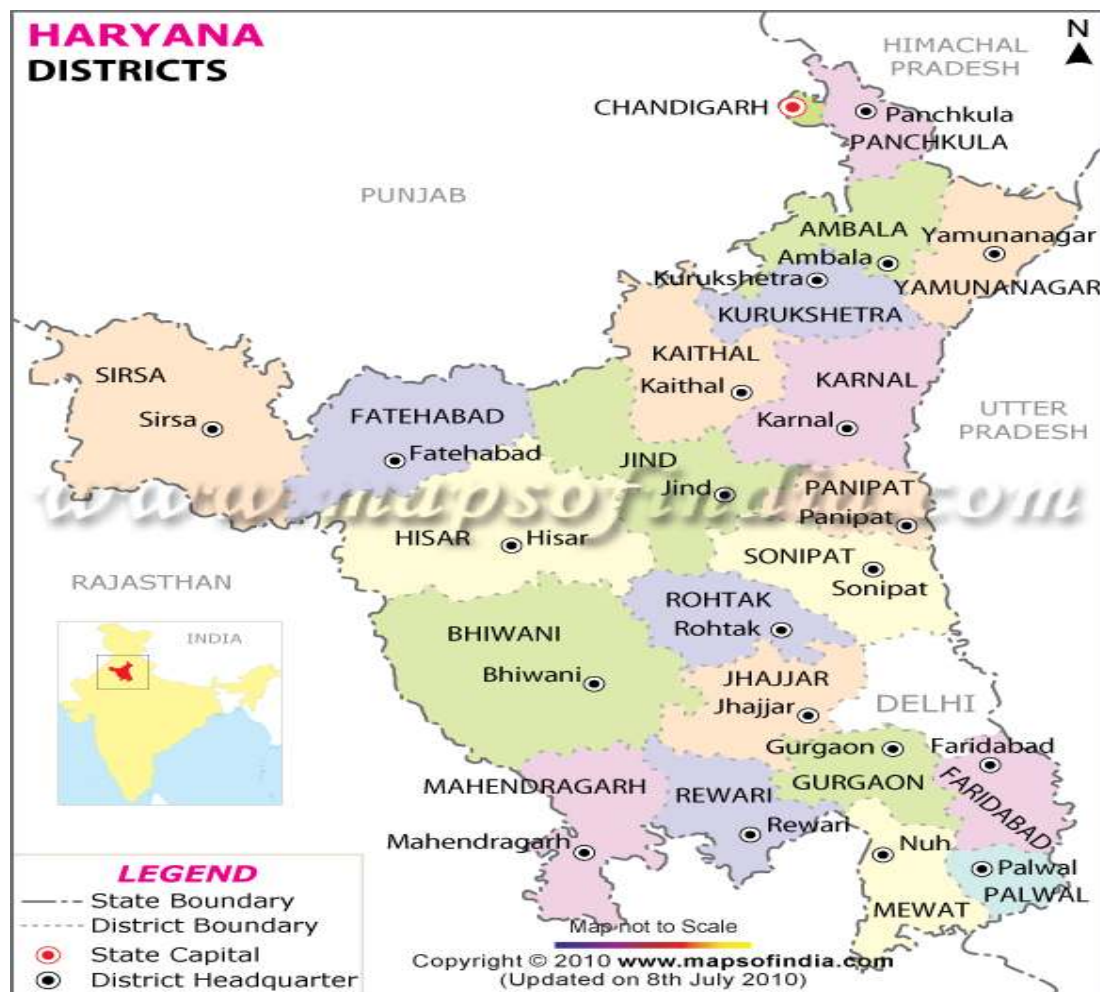


Report of Joint Inspection Team to monitor the implementation of National Horticulture Mission Scheme in Haryana State:



Team Members:

1. Dr. H. V. L. Bathla, Chief Consultant (NHM)
2. Dr. V. P. Ahlawat, Head, Department of Horticulture, CCSHAU, Hisar
3. Dr. M. S. Joon (Already retired from the University and could not join)
4. SHM Representative

Dates of visit: 31.08.10 to 4.9.10 &
11.10.10 to 16.10.10

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HORTICULTURE GROWTH IN THE STATE:

In the year 1966-67 the total area under Horticulture was just 19,170 ha which increased to 3, 57,194 ha in the year 2008-09 which show 1863.30 % increase. At present the total area of horticulture over total cropped area in the State is 5.5 %. At Present, the Horticultural crops in Haryana are being grown in an area of 3.57 lakh hectares which is 5.5 % of the total cropped area. However, the land holdings of the state range from 0.5 hectare to 10 hectare in the State Average land holding size is only 2.13 hectare. The size of land holding is successively decreasing on account of division from one generation to next.

The State has been divided in two distinct zones from climatic point of view for the plantation of fruit crops.

Region	Fruit
1. a) Eastern Region – Shivalik Hills (sub-humid area with more rainfall) i) Kalka, Nariangarh ii) Jagadhri, Karnal, Panipat iii) Ladwa & some part of Indri	Peach, Plum, pear, Mango, Loquat, Litchi, Chiku, Papaya, Aonla, Jamun, Guava.
I. b) Alluvial (Semi-arid, medium rainfall areas) Faridabad, Palwal, Ballabgarh, Gurgaon, Mewat, Nuh, Pataudi, Sonapat, Karnal, Panipat, Kurukshetra, Kaithal, Gurgaon, Pehowa, Rohtak, and some part of Jind	Citrus, Fruits, Guava, Grapes, Date, Papaya, Phalsa, Jamun, Mulberry, Aonla.
II. a) Western Region - Alluvial plain Areas (Semi-arid, medium low rainfall areas) Rohtak, Sirsa, Some part of Bhiwani, Mehendergarh	Citrus, Fruits, Grapes, Phalsa, Guava, Ber Aonla, Date Palm, Jamun, Mulberry, Pomegranate, Baelgiri
II. b). Sandy -loam areas. (Dry area and rain fed or low rainfall areas) Sirsa, Hisar, Bhiwani, Rewari, Mohendergarh, South West Part adjoining to Rajasthan Border in Narnaul Dist.	

2. NHM IN HARYANA STATE

Plantation programme undertaken in the State (area in ha. , Rs. in lakhs)

Year	Target		Achievements	
	Physical	Financial	Physical	Financial
2005-06	1075	120.94	399	50.42
2006-07	2640	297.06	3263	243.50
2007-08	3555	234.33	3840	301.59
2008-09	6531	610.65	4969	527.90
2009-10	5067	473.76	4081	440.38
2010-11 (up to August 2010)	4572	794.58	1160	105.76

Rejuvenation programme undertaken in the State (are in ha. , Rs. in lakhs)

Year	Target		Achievements	
	Physical	Financial	Physical	Financial
2005-06	200	30.00	60	8.49
2006-07	939	140.85	377	56.60
2007-08	477	166.62	305.19	41.00
2008-09	300	38.25	227.20	31.57
2009-10	110	10.52	88.80	9.86
2010-11 (up to August 2010)	500	-	75.00	-

Status of Horticulture Mission in Haryana

The National Horticulture mission (NHM) is being implemented in the State since 2005-06 for holistic development of horticulture sector, duly ensuring horizontal and vertical linkages, with the active participation of all the stakeholders. The thrust of the mission is on area based regionally differentiated cluster approach for development of horticulture crops, having comparative advantage.

The programme is being implemented by the Haryana State Horticulture Development Agency (HSHAD) in seventeen (17) districts through District Mission Committees involving farmers, societies and NGO's. The districts included are Ambala, Fetehabad,

Karnal, Mewat, Gurgaon, Hissar, Panchkula, Rohtak, Faridabad, Panipat, Sonapat, Sirsa, Yamunanagar, Bhiwani, Jind and Mahendragarh.

The focus crops identified under the programme include Mango, Sapota Aonla, Citrus, Guava, Ber, Chilly, Garlic, Flowers and Medicinal & Aromatic plants.

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

Physical Progress

Under the Mission, during 2005-06, an additional area of 39553 ha of identified horticulture crops has been covered beside establishment of 59 nurseries for production of quality planting material, 1090 ha covered under rejuvenation of old and senile orchards, adoption of organic farming in an area of 11540 ha for promotion of organic cultivation of horticulture crops beside establishment of 1812 no. of vermi-compost units, adoption of IPM practices in an area of 14194 ha creation of 15 IPM/INM infrastructure facilities such as Leaf tissue analysis labs, disease forecasting units, 1725 community water structures and distribution of 41974 colonies with hives. Under the component of Post Harvest Management 9, (1 cold storage unit and 8 pack houses) have been established. 10737 farmers have been given training under various horticulture activities.

Financial Progress

During 2005-06 to 2009-10, an amount of Rs. 199.07 crore was released to the state. The state has report an expenditure of Rs. 202.68 crore so far.

The Annual Action Plan of SHM, Haryana for 2010-11 has been approved for Rs. 81.00 crore including GOI share of Rs. 68.85 crore. During the year, an amount of Rs. 30.00 crore has been released. As on today, a sum of Rs. 19.76 crore is available as unspent balance with the State Horticulture Mission.

Year-wise details of Outlay, Funds Released and expenditure under NHM in Haryana.

(Rs in lakh)

Year	Outlay	Released	Expenditure	Balance
2005-06	2097.17	1050.00	177.60	`872.40
2006-07	4018.43	3480.00	3072.52	1279.88
2007-08	9137.50	6476.49	4669.53	3086.84
2008-09	17929.15	3300.31	5519.13	868.02
2009-10	8547.74	5600.00	6829.22	-361.20
2010-11	6885.00	3000.00	662.89	1975.91

Production of Planting Material

The Department of Horticulture has 25 Govt. Garden and Nurseries Located in all the agro climatic conditions in the State. These nurseries have mother blocks of all the major varieties taken under NHM. The production plan taken for the year 2010-2011 is given in the table below:

Sr.No.	Crop	2010-11		Balance		Sources
		Plants Required	Actual Available	Excess	Shortfall	
1	Mango	57000	58200	1200	0	GGN pinjore, Nabipur, Chchrouli, Fathepur, Ratgal, Ladwa, Shamgarh.
2	Sapota	29000	30000	1000	0	GGN pinjore, Nabipur, Chchrouli, Fathepur, Ratgal, Ladwa, Shamgarh, Ramnagar.

3	Citrus	851840	183990	-	667850	GGN pinjore, Nabipur, Chchrouli, Fathepur, Ratgal, Ladwa, Shamgarh, Ramnagar, Sewakh eri, Chika, Barwala and Jind.
4	Peach	11000	22568	11568	-	GGN pinjore, Nabipur, Chchrouli, Fathepur, Ratgal, Ladwa, Shamgarh, Ramnagar, Sewakh eri, Hansi and Jind.
5	Ber	50600	37500	-	13100	GGN Sewakheri, Panchhigugran, Chika Pingawa, Barwala, Hansi, Bhuna, Jind and Sirsa.
6	Gauvav	456500	165000	-	291500	GGN Ratgal, Ramnagar, Shyamgarh, Panchhigugran, Hansi, Barwala.

3. Cluster based NHM Interventions in Haryana State

Cluster 1: Citrus, Guava and Ber

Extension and Crop Improvement Interventions

1. Area expansion on large scale in South Haryana
 - Citrus: Area increase from 5000 ha to 13, 000 ha within 5 years.
 - Guava: Area increase from 6500 ha to 7300 ha.
 - Ber: Area increase from 2700 ha to 3795 ha.
2. Area increment under this cluster is mostly unutilized and barren land.
 - Area expansion under this cluster is mostly area which is unutilized and barren and undulating.
3. Integration of scheme with micro irrigation.

- Drip irrigation made compulsory with fruits plantation and almost all the area brought under drip irrigation for the last 2 years plantation.
4. Development of integration model encompasses orchard plantation, micro irrigation (drip irrigation) and water farm ponds.
 - It has made compulsory to go for fruit plantation along with drip irrigation who-so-ever avail subsidy under water farm ponds and so far around 1600 water ponds have already been constructed by the farmers in this cluster zone.
 5. Other extension activities.
 - NHM workshop: so far two exclusive NHM workshops have been conducted for facilitation of all the new norms and guidelines for the extension officers.
 - Regular Seminars: twice in one year regular seminar are holds.
 - National Seminar on NHM was also conducted in State Agriculture University.
 - Regular shows and seminars are the other programmes.
 - One seminar and filed demonstration programme was conducted in Jan. 2010, for citrus canopy management and improvement in crop productivity.
 6. Construction of Plant Health Clinics.
 - In the State 17 nos. PHCs are under construction and so far in this cluster 4 nos. have been constructed one each in Sirsa, Hisar, Bhiwani and Rohtak.
 7. Indo-Israle Project.
 - One Centre of Excellence for fruits was established under Indo-Israle project at Sirsa. Under this project the following interventions are being made:
 - High tech nursery and fruits production unit for propagation of fruits esp. citrus, mango, guava, ber.
 - High density orchards plantation and canopy management.
 - Plantation on ridges and flat beds simultaneously.
 - Plantation with fertigation and micro irrigation systems.
 - Management with weather based systems.
 - Introduction of better cultivars of citrus, olives.
 - Introduction of better rootstock of mango e.g. 13-1.
 - Demonstration of farm machinery and equipments.
 - Post harvest management and packing facility.

Market Interventions

1. Establishment of washing, drying, waxing and grading units under NHM.
 - Under NHM a project proposal for establishment of kinnow centre was approved in the year 2006-07 and established with cost of Rs. 5.70 crore. This centre has ultra-modern machinery imported from France with capacity of 5MT/ per hour. This unit was

commissioned in the year 2008-09. Farmers get their produce waxed and graded at nominal price (@Rs. 1.10 per kg).

- Two grading, waxing units are in operation in private sector also.
 - 2nd grading unit will be established in district Hisar in the next 5 year plan.
2. Establishment of pre cooling and cold storage facilities at grading unit under NHM.
 - This centre has 100 MT cold storage facilities in operation (25 MT per Chamber X 4 Chambers) for cold storage for facilitation of farmers for before and after shipment with 2 pre coolers of 5 MT each.
 3. Establishment of pack house and modern fruits and vegetable market.
 - In the 1st and 2nd phase markets and pack house are being developed.

The projects for this have already been approved by GOI, in the year 2006-07 for Rs. 67.00 crore and in the year 2009-10 for Rs. 170.00 crore, for establishment of modern market yards and pack house.
 - These pack house are being set up at district level. Each pack house has fruits and vegetable grading unit/ machine, 3-5 cold storage units with 25-100 MT capacity, pre coolers of 5-10 MT with add on facility of ripening chambers 2-5 in nos. (5-10 MT each) in the district of Rohtak, Hisar, Narnaul, Bhiwani and Sirsa. The pack house at Rohtak is in operation of Rs. 6.50 lakh per year with mtc and operation charges.
 - Modern fruit and vegetable market is being established in district Mewat.
 4. Development of collection centres.
 - Each pack house and market shall be linked with collection centres (at block level) and 100 nos. collection centres are proposed in 2nd phase along with refer vans.
 5. Construction of Agro mall and Framers Information Centres.
 - Five no. agro malls are under construction wherein all the required facilities like seed, consultancy and retail market shall be operational under one roof.
 - Two no. (Sirsa, Rohtak) Farmers Information Centres have already been established for farmer's seminars, conferences and market information system. All these information centres were established in the existing mandies.
 6. Processing unit.
 - In this cluster two processing units are proposed one at Sirsa and one at Rohtak.

Cluster 2: Mango, Sapota and Spices

Extension and Crop Improvement Interventions

1. Area expansion on a good scale in North of Haryana.
 - This area expansion is generally in the wheat, paddy dominating area hence in
General simultaneously two crops are taken i.e. orchards with wheat.
2. Integration of scheme with micro irrigation.
 - Drip irrigation made compulsory with fruit plantation and all the irrigation is generally through deep bore wells.
3. Development of integration model encompasses orchards plantation, micro irrigation (drip irrigation) and water farm ponds.
 - This model is successful in the mid hills of district Panchkula and small water ponds were built up by the farmers for their small land holdings and so far around 85 water ponds have already been constructed by the farmers in this cluster zone.
4. Other extension activities.
 - NHM workshops: so far two exclusive NHM workshops have been conducted for facilitation of all the new norms and guidelines for the extension officers.
 - Regular Seminar: twice in one year regular seminar are holds.
 - Every year mango Mela is organized in the month of July. Along with a national seminar is also organized.
 - Seminar and field demonstration programme were conducted for the mango and guava rejuvenation and canopy management programmes.
5. Under spices major area expansion programme is under ginger and turmeric. Turmeric crop is taken as intercultural agro forestry.
6. Construction of Plant Health Clinic.
 - In the state 17 nos. PHCs are under constructed and so far in this cluster 2 nos. have been constructed one each in Panchkula, Yamunagar.

Market Interventions

1. Establishment of pack house and modern fruits and vegetable markets.
 - In the 1st and 2nd phase markets and pack houses being developed. The projects for this have already been approved by GOI, in the year 2006-07 for Rs. 67.00 crore and in the year 2009-10 for Rs. 170.00 crore, for establishment of modern market yards and pack house.
 - One no. modern fruit and vegetable market is being developed at Panchkula along with pack house for fruits and vegetables.
 - These pack house are being set up at district level. Each pack house has fruits and vegetable grading unit/ machine, 3-5 cold storage units with 25-100 MT capacity, pre coolers of 5-10 MT with add on facility of ripening chambers 2-5 in nos. (5-10 MT each) in the district of Panchkula, Yamunagar and Ambala. Modern fruits and vegetable market is being established in district Mewat.
2. Development of collection centres.

- Each pack house and market shall be linked with collection centres (at block level) and 100 nos. collection centres are proposed in 2nd phase along with refer vans.
3. Construction of Agro mall and Framers Information Centres.
 - One no. agro malls are under construction wherein all the required facilities like seed, consultancy and retail market shall be available under one roof.
 - One no. (Sirsa, Rohtak) Farmers Information Centres have already been established for farmer's seminars, conferences and market information system. All these information centres were established in the existing mandies.
 4. Processing unit.
 - In this cluster one turmeric processing units has been established in district Yamunagar by HAFED for facilitation of turmeric processing of the nearby areas and further marketing under the brand HAFED.

Cluster 3: Vegetable, Mushroom and Flower

Extension and Crop Improvement Interventions

1. Area expansion along the NH-1 (GT Road) up to National Capital.
 - Area under vegetables has increased tremendously from 2,32,660 ha to 3,00,36 ha in the last five year with 29.09% increase.
 - Cultivation under mushroom has increased with production from 6044 MT to 8055MT with 33.18% increases.
 - Flower area has increased from 5530 ha to 6200 ha.
2. Area increment under this cluster is with small and marginal farmers and all along the national highway and caters to the needs of major NCR market.
3. Integration of scheme with micro irrigation.
 - Micro irrigation (mini sprinkler systems) is gaining popularity with the vegetables.
 - Last year along 500 ha area is brought under this system and a target of 48000 ha additional area is proposed under MI scheme up to the end of next five year plan.
4. Other extension activities.
 - NHM workshop: so far two exclusive NHM workshops have been conducted for facilitation of all the new norms and guidelines for the extension officers.
 - HRD: Regular trainings and seminars are conducted at Horticulture Training Institute and in the year a total of 191 trainings were conducted with 2282 no. of participants. This institute was established with World Bank aid and having all the required infrastructural facilities.
5. Construction of Plant Health Clinics.
 - In the state 17 nos. PHCs are under constructed and so far in this cluster 2 nos. have been constructed one each in Karnal and Faridabad.
6. Indo-Israel Project.

One Centre of excellence for vegetables was established under Indo-Israel Project at Karnal. Vegetable in Haryana are being traditionally grown and

without any technological inputs, therefore, the present interventions are proposed to extend the period of produce availability and increment in productivity.

- Vegetable nursery production under High-tech Green House: 1792 sqm.
- Naturally ventilated Green House for tomato, capsicum & cucumber: 2688 sqm
- Walk in tunnel for tomato, capsicum cucumber & other vegetables: 4000 sqm.
- Net house cultivation for vegetables: 3240 sqm.
- Low tunnels for cucurbits and strawberry: 2000 sqm.
- Open field production system for potato, cucurbits, cabbage, cauliflower, onion: 4.0 ha.
- Irrigation technologies with drip and sprinkler systems.
- Farm equipment.
 - Mulch laying equipment, boom sprayer, Root-tiller, Hydraulic machine for laying drip lines
 - Post harvest and packing facility

7. Protected cultivation

- Based on the practical demonstration, an ambitious target of 88 ha has been proposed under protected cultivation under poly houses, net houses and walk in tunnels and low tunnels.
- This will further increase the productivity 3 times in comparison to present production under open field and thereby increment in income.

8. Horticulture Bio-technology Centre

- Tissue culture lab was strengthened under NHM in the year 2008-09 and protocols were developed for potato and banana. The mother culture of latest cvs. Were brought from CPRI, Shimla and production. This lab was converted into Horticulture Bio-technology Centre and is located at Karnal near Horticulture Training Institute.
- This centre will have additional area of 42 acres exclusively for the production of potato seed tubers. An exclusive seed cold storage is under construction which is built under RKVY.

Market Interventions

1. Establishment of pack house and modern fruits and vegetable markets.

- In the 1st and 2nd phase markets and pack houses being developed. The projects for this have already been approved by GOI, in the year 2006-07 for Rs. 67.00 crore and in the year 2009-10 for Rs. 170.00 crore, for establishment of modern market yards and pack house.
- These pack house are being set up at district level. Each pack house has fruits and vegetable grading unit/ machine, 3-5 cold storage units with 25-100 MT capacity, pre coolers of 5-10 MT with add on facility of ripening chambers 2-5 in nos. (5-10 MT each) in the district of Kurukshetra, Sonapat, Jhajjar, Karnal.

2. Potato Grading and cold storage.

- One no. potato grading unit and cold storage unit has been constructed under NHM and is in operation from the last year. This unit has grading capacity of 10MT/hr and storage capacity of 1750 MT along with other cold storage facility.

3. Development of collection centres.
 - Each pack house and market shall be linked with collection centres (at block level) and 100 nos. collection centres are proposed in 2nd phase along with refer vans.
4. Construction of Agro mall and Framers Information Centres.
 - One no. agro malls are under construction wherein all the required facilities like seed, consultancy and retail market shall be available under one roof.
5. Processing unit.
 - In this cluster one potato processing units is in operational in Karnal private sector for making potato chips etc.

A seed processing unit was established private sector for an amount of Rs. 18.00 crore with an assistance Rs. 1.00 crore under NHM. The unit was established at Food Park at aha in District Ambala and is operational. Under this programme the firm get multiplied the seed at farmers' field on contract basis in different districts of the Haryana.

4. FIELD VISIT TO HISAR DISTRICT

Area Expansion

Beneficiary No. 1

- 1. Name and address of Beneficiary whose field visited:-**
Sh.Inder Singh S/O Sh. Thakur & others V & P.O.Kabrel,
Teh. – Adampur Distt. Hisar
- 2. Total land available with the beneficiary (ha):-** 4.8
- 3. Crop Cluster under which covered:-** Citrus
- 4. Name and variety of crop planted:-** Mandrin – Kinnow- 2.0 Ha.
- 5. Sources of planting material:-**I. From Private Regd. Nurseries
Sappoawali (Punjab)
II. From GGN Barwala(Deptt.
Nursery)
- 6. Number of plants planted/rejuvenated:-**550
- 7. Date of planting/rejuvenation:-** August,2009
- 8. Number of plants which survived(also indicate percentage survival):-**550,100 %
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-** Rs. 45000/-(Total for plants, plantation work & input).

10.Amount paid and date of payment:-Rs. 22000/-

11.Mode of payment:-By crossed cheque Sh. Inder Singh & others,
Kabrel

12.Source of Irrigation Water (Bore well/Tube well/Canal):-- Canal

13. Whether Drip/Sprinkler system in use:- Drip

14. Other inputs provided:- -----

15. Whether assistance availed for Organic Farming:- No

16. If so, area covered:- No

17. Assistance availed:- No

18. Available marketing facility for the crop:-

Adampur Mandi-10 Km.

Hisar Fruit & Veg. Mandi- 18

Km.

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. 2

1. Name and address of Beneficiary whose field visited:-

Sh.Bajrang S/O Sh. Mangla Ram & others V & P.O. Bagla,
Teh. – Adampur District. Hisar

2. Total land available with the beneficiary (ha):- 3.6.

3. Crop Cluster under which covered:- Citrus

4. Name and variety of crop planted:- I. Mandrin – Kinnow- 1.4 Ha.
I. Matta –Mausami - 1.0 Ha.

5. Sources of planting material:-I. Private regd.Nursery of sappaawali
(Punjab)

6. Number of plants planted/rejuvenated:-660

7. Date of planting/rejuvenation:- August- September, 2009
March, 2010

8. Number of plants which survived (also indicate percentage survival):-650,98.7 %

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):- Rs. 54000/-(Total for plants plantation work & inputs).

- 10. Amount paid and date of payment:**-Rs. 26400/-(Total for plants plantation work & inputs).
- 11. Mode of payment:**-By crossed cheque Sh. Bajrang & others, Bagla
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):**-- Canal
- 13. Whether Drip/Sprinkler system in use:**- Drip
- 14. Other inputs provided:**- -----
- 15. Whether assistance availed for Organic Farming:**- No
- 16. If so, area covered:**- No
- 17. Assistance availed:**- No
- 18. Available marketing facility for the crop:-**
Mandi Adampur -12 Km.
Fruit & Veg. Mandi Hisar - 24 Km.
- 19. Other infrastructure available in the vicinity:**- -----
- 20. General upkeep of the plot: Very good/Good/Average/Poor:-**
Good.
- 21. Any other relevant observation by the JIT:-**

Beneficiary No. 3

- 1. Name and address of Beneficiary whose field visited:-**
Sh. Atma Ram S/O Sh. Badri Parsad & others V & P.O.
Daroli, Teh. – Adampur District -Hisar
- 2. Total land available with the beneficiary (ha):-** 20
- 3. Crop Cluster under which covered:-** Citrus
- 4. Name and variety of crop planted:-** I. Mandrin – Kinnow- 10 Ha.
- 5. Sources of planting material:-**I. Private Regd. Nursery Mozegarh (Punjab)
- 6. Number of plants planted:-**2750
- 7. Date of planting:-** August- September, 2008
- 8. Number of plants which survived (also indicate percentage survival):-** 2700,98.2 %

- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):**- Rs. 2,25,000/- (Total for plants, plantation work & inputs).
- 10. Amount paid and date of payment:**-Rs. 1,55,000/- (Total for plants, plantation work & inputs).
- 11. Mode of payment:**-By crossed cheque Sh. Atma Ram & others, Daroli
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):**-- Canal
- 13. Whether Drip/Sprinkler system in use:**- Drip
- 14. Other inputs provided:**- -----
- 15. Whether assistance availed for Organic Farming:**- No
- 16. If so, area covered:**- No
- 17. Assistance availed:**- No
- 18. Available marketing facility for the crop:**-
Adampur Mandi -10 Km.
Hisar Mandi - 50 Km.
- 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. 4

- 1. Name and address of Beneficiary whose field visited:**-
Sh.Mahender S/O Sh. Ranjeet & others V & P.O. Daroli,
Teh. – Adampur District -Hisar
- 2. Total land available with the beneficiary (ha):**- 4.8
- 3. Crop Cluster under which covered:**- Citrus
- 4. Name and variety of crop planted:**- Mandrin – Kinnow (plantation has been completed in 3.2 Ha.. Where as plantation 1.2 Ha. is to be done shortly).
- 5. Sources of planting material:**- Supplied by Department of Horticulture from the Identified source (identified by MD/ DH)
- 6. Number of plants planted:**-88 0
- 7. Date of planting:**- August, 2010

- 8. Number of plants which survived (also indicate percentage survival):-** 880100 %
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.):**-Rs. 115500/- (Total for plants, plantation work & inputs).
- 10. Amount paid and date of payment:**-Rs.23800/- (Total for plants, plantation work & inputs).
- 11. Mode of payment:**-By crossed cheque to the identified Nursery .
- 12. Source of Irrigation Water (Bore well/Tube well/Canal):**-- Canal
- 13. Whether Drip/Sprinkler system in use:**- Drip
- 14. Other inputs provided:**- -----
- 15. Whether assistance availed for Organic Farming:**- No
- 16. If so, area covered:**- No
- 17. Assistance availed:**- No
- 18. Available marketing facility for the crop:-**
Adampur Mandi -10 Km.
Hisar Mandi - 50 Km.
- 19. Other infrastructure available in the vicinity:**- -----
- 20. General upkeep of the plot: Very good/Good/Average/Poor:-**
Good.
- 21. Any other relevant observation by the JIT:-**

Beneficiary No. 5

- 1. Name and address of Beneficiary whose field visited:-**
Sh.Devi Lal S/O Sh.Hari Singh & others V & P O Daroli,
Teh – Adampur, District -Hisar
- 2. Total land available with the beneficiary (ha):**- 10.4 .
- 3. Crop Cluster under which covered:-** I. Citrus
II. Guava
III. Aonla
- 4. Name and variety of crop planted:-** I. Mandrin – Kinnow – 4.2 Ha.
II. Guava–A. Safeda– 4.2 Ha.
III. Aonla – NA – 7- 1.4 Ha.
- 5. Sources of planting material:-** I. Private Regd. Nursery
II. From nursery identified by the
Deptt. of Horticulture
- 6. Number of plants planted:**-2562

7. Date of planting:- Feb- March,2007

8. Number of plants which survived (also indicate percentage survival):-

- I. Kinnow -1150,(100 %).
- II. Guava - 825 (71.4%) Dead guava plants replaced by kinnow plants (100%).
- III.Aonla - 0 (%) Aonla replaced by mausami plants (100 % Survival)

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-Rs.1,89,110 /-(Total for plants, plantation work & inputs).

10. Amount paid and date of payment:-Rs.1,54,610/-(Total for plants, plantation work & inputs).

11. Mode of payment:-By crossed cheque Sh. Devi Lal & others, Daroli

12. Source of Irrigation Water (Bore well/Tube well/Canal):-- Canal

13. Whether Drip/Sprinkler system in use:- Drip

14. Other inputs provided:- -----

15. Whether assistance availed for Organic Farming:- No

16. If so, area covered:- No

17. Assistance availed:- No

18. Available marketing facility for the crop:-

Adampur Mandi -10 Km.
Hisar Mandi - 50 Km.

19. Other infrastructure available in the vicinity:- -----

20. General upkeep of the plot Very good/Good/Average/Poor:- Good.

21. Any other relevant observation by the JIT:-

Community Tanks

Beneficiary No. 1

1. Name and address of Beneficiary whose field visited:-

Sh.Inder Singh S/O Sh. Thakur & others V & P.O.Kabrel,
Teh. - Adampur Distt. Hisar

2. Total land available with the beneficiary (ha):- 4.8 Hect.

3. Crop Cluster under which covered:- Citrus

4. Other relevant Activities under NHM:-

I) **Community Tank:-**

- I. Mean Size:- 55'x55'x11.75
- II. Total Assistance Sanctioned -2,00,000/-
- III. Amount Paid – 2,00,000/-
- IV. Mode of Payment- Crossed Cheque (in installments)

Beneficiary No. 2

1. Name and address of Beneficiary whose field visited:-

Sh.Bajrang S/O Sh. Mangla Ram & others V & P.O.
Bagla Teh. – Adampur Distt. Hisar

1. Total land available with the beneficiary (ha):- 3.6 Hect.

3. Crop Cluster under which covered:- Citrus

4. Other relevant Activities under NHM:-

I) **Community Tank**

- I. Mean Size:- 59'x59'x12.25
- ii. Assistance Sanctioned -2,40,000/-
- iii. Assistance Paid – 2,40,000/-
- iv. Mode of Payment- Crossed Cheque (in installments)

Beneficiary No. 3

1. Name and address of Beneficiary whose field visited:-

Sh.Atma Ram S/O Sh. Badri Parsad & others V & P.O.Daroli
Teh.–Adampur Distt. Hisar

2. Total land available with the beneficiary (ha):- 20 Hect.

3. Crop Cluster under which covered:- Citrus

4. Other relevant Activities under NHM:-

I) **Community Tank**

- I. Mean Size:- 126.8'X 126.8'x11.2
- ii. Assistance Sanctioned -10,00,000/-
- iii. Assistance Paid – 10,00,000/-
- v. Mode of Payment- Crossed Cheque (in installments)

Beneficiary No. 4

1. Name and address of Beneficiary whose field visited:-

Sh.Mahender S/O Sh. Ranjeet & other's V & P.O.Daroli,
Teh.– Adampur District -Hisar

2. Total land available with the beneficiary (ha):- 4.8 Hect.

3. Crop Cluster under which covered:- Citrus

4. Other relevant Activities under NHM:-

I) Community Tank

- I. Mean Size:- 86.5'X 86'x12.5
- ii. Total Assistance Sanctioned -4,40,000/-
- iii. Assistance Paid (till date) – 2,20,000/-
- vi. Mode of Payment- By Crossed Cheque (in installments)

Beneficiary No. 5

1. Name and address of Beneficiary whose field visited:-

Sh.Devi Lal S/O Sh.Hari Singh & other's V & P.O. Daroli,
Teh – Adampur District -Hisar

2. Total land available with the beneficiary (ha):- 10.4 Hect.

3. Crop Cluster under which covered:- I. Citrus
II. Guava
III. Aonla

4. Other relevant Activities under NHM:-

I) Community Tank

- I. Mean Size:- 125'X 125'x10.5'
- ii. Total Assistance Sanctioned -9,36,000/-
- iii. Assistance Paid (till date) – 9,36,000/-
- Iv. Mode of Payment- By Crossed Cheque (in installments)

Vermi Compost Units

Beneficiary No. 1

1. Name and address of Beneficiary whose field visited:-

Sh.Inder Singh S/O Sh. Thakur & others V & P.O.Kabrel,
Teh.–Adampur Distt. Hisar

2. Total land available with the beneficiary (ha):- 4.8 Hect.

3. Crop Cluster under which covered:- Citrus

I. Vermi Compost Unit-

- I. Unit size – 8' x 75' – one
- II. Assistance Sanctioned-30,000/-
- III. Amount Paid – 2,00,000/-
- IV. Mode of Payment- Crossed Cheque

Beneficiary No. 2

1. Name and address of Beneficiary whose field visited:-

Sh.Bajrang S/O Sh. Mangla Ram & others V & P.O.Bagla
Teh –Adampur Distt. Hisar

2. **Total land available with the beneficiary (ha):-** 3.6 Hect.

3. **Crop Cluster under which covered:-** Citrus

ii) Vermi Compost Unit-

- i. Unit size – Two
- ii. Assistance Sanctioned-60,000/-
- iii. Assistance Paid – 60,000/-
- iv. Mode of Payment- By Crossed Cheque

Beneficiary No. 3

1. **Name and address of Beneficiary whose field visited:-**

Sh.Atma Ram S/O Sh. Badri Parsad & others V & P.O. Daroli
Teh. – Adampur Distt. Hisar

2. **Total land available with the beneficiary (ha):-** 20 Hect.

3. **Crop Cluster under which covered:-** Citrus

4) **Vermi Compost Unit-**

I Unit size – One

- a. Assistance Sanctioned-30,000/-
- b. Assistance Paid – 30,000/-
- IV. Mode of Payment- By Cheque

Beneficiary No. 4

1. **Name and address of Beneficiary whose field visited:-**

Sh. Devi Lal S/O Sh.Hari Singh & other's V & P.O.Daroli,
Teh – Adampur District -Hisar

2. **Total land available with the beneficiary (ha):-** 10.4 Hect.

3. **Crop Cluster under which covered:-** I. Citrus
II. Guava
III. Aonla

4) **Vermi Compost Unit-**

I. Size/Unit – One

- II. Total Assistance Sanctioned-30,000/-
- III. Assistance Paid – 30,000/-
- IV. Mode of Payment- Crossed Cheque

Micro Irrigation

Beneficiary No. 1

1. **Name and address of Beneficiary whose field visited:-**
Sh.Inder Singh S/O Sh. Thakur & others V & P.O.Kabrel,
Teh.–Adampur Distt. Hisar
2. **Total land available with the beneficiary (ha):-** 4.8 Hect.
3. **Crop Cluster under which covered:-** Citrus
4. **Micro Irrigation Scheme**
 - I. Installed Drip Irrigation – 2.0 Hect
 - II. Total Assistance Sanctioned -54,500/-
 - III. Assistance Paid -54,500/-
 - IV. Mode of Payment- Crossed Cheque

Beneficiary No. 2

1. **Name and address of Beneficiary whose field visited:-**
Sh.Bajrang S/O Sh. Mangla Ram & others V & P.O. Bagla
Teh –Adampur Distt. Hisar
2. **Total land available with the beneficiary (ha):-** 3.6 Hect.
3. **Crop Cluster under which covered:-** Citrus
4. **Micro Irrigation Scheme**
 - I. Drip System Installed – 2.4 Hect.
 - II. Assistance Sanctioned -56,900/-
 - III. Assistance Paid – 56,900/-
 - IV. Mode of Payment- By Crossed Cheque

Beneficiary No. 3

1. **Name and address of Beneficiary whose field visited:-**
Sh.Atma Ram S/O Sh. Bandri Parsad & other's V &
P.O.Daroli,
Teh. – Adampur District -Hisar
2. **Total land available with the beneficiary (ha):-** 20 Hect.
3. **Crop Cluster under which covered:-** Citrus
4. **Micro Irrigation Scheme**
 - I Drip System Installed – 10.0 Hect.

- II. Assistance Sanctioned 1,58,000/-
- III. Assistance Paid – 1,58,000/-
- IV. Mode of Payment – By Crossed Cheque

Beneficiary No. 4

- 1. **Name and address of Beneficiary whose field visited:-**
Sh.Mahender S/O Sh. Ranjeet & other's V & P. Daroli,
Teh. – Adampur District -Hisar
- 2. **Total land available with the beneficiary (ha):-** 4.8 Hect.
- 3. **Crop Cluster under which covered:-** Citrus
- 4. **Micro Irrigation Scheme:-**

- I. Drip System Installed – 4.4 Hect.
- II. Assistance Sanctioned -----
- III. Assistance Paid – Yet to be paid
- IV. Mode of Payment -----

Beneficiary No. 5

- 1. **Name and address of Beneficiary whose field visited:-**
Sh.Devi Lal S/O Sh.Hari Singh & other's V & P.O.Daroli,
Teh-Adampur District -Hisar
- 2. **Total land available with the beneficiary (ha):-** 10.4 Hect.
- 3. **Crop Cluster under which covered:-** I. Citrus
II. Guava
III. Aonla
- 4. **Micro Irrigation Scheme**
 - I. Drip System Installed – 9.8 Hect.
 - II. Total Assistance Sanctioned – 1,63,600
 - III. Assistance Paid – 1,63,600
 - IV. Mode of Payment – By Crossed Cheque

OBSERVATIONS

- The size of the tank required lots of water for filling the tank. However, due to scarcity of water for filling the tank the water level was very less. The orchardists required water on priority for filling the tanks for better result on technology.
- The quality of planting material used for area expansion was good. The plants required proper care and canopy management for better fruiting.
- Cotton was being taken as an intercrop which is very exhaustive and it also attracts insects and pests and thus the cotton crop as an intercrop needs to be avoided for citrus crop.
- Mixed plantation of various citrus cultivators was taken up. Separate blocks needs to be planted for different varieties in the same field.
- The intercrop was being taken at the initial stage of plantation. This requires extra dose of fertilizer for better growth and more water for young plants.
- Ripening chamber-cum-market is being established at Hisar. However, the progress was very slow as machinery has not been installed and the project remains uncompleted.
- A plant health clinic was maintained by the Distt. Horticulture Officer depicting various symptoms of diseases which was found to be useful for the farmers to update their knowledge. The District Horticulture Officer needs to supply the leaflets to the farmers for better understanding and equipments for soil testing and water required to be installed in the plant clinic.
- The plantation made by Shri Susheel Kumar S/o Shri. Ram Swarup, V & PO Motsara with the financial assistance of NHB was visited. Out of 5.5 acres 2.0 Acre of Kinnow Plantation is available and remaining 3.7 acres where Aonla was grown is not available. The farmer claims that it was not successful.

5. FIELD VISIT TO FATEHEBED DISTRICT

Area Expansion

Beneficiary No. 1

- 1. Name and address of Beneficiary whose field visited:-**
Mahabir S/o Sh. Hanuman

Jogender S/o Sh. Hanuman

Rajender S/o Sh. Hanuman

V.P.O. Khara Kheri, Teh & Distt. Fatehabad
- 2. Total land available with the beneficiary (ha):-** 4.4
- 3. Crop Cluster under which covered:-** Citrus
- 4. Name and variety of crop planted:-** Kinnow
- 5. Sources of planting material:-**
Purchased from the nurseries identified by the Department
- 6. Number of plants planted:-**1210 Plants

7. Date of planting:- October 2008 & March 2009

8. Number of plants which survived (also indicate percentage survival):-1210, 100 %

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-

- a. Rs. 48400/- on 4.4 hectares plantation as 1st year assistance during 2008-09.
- b. 308 plants for gap filling as 2nd year maintenance during 2009-10
- c. Rs. 12408/- for purchase of insecticide, fungicide and fertilizer as 2nd year maintenance during 2009-10.

10.Amount paid and date of payment:- As above

11. Mode of payment:- Account payee cheques

12.Source of Irrigation Water (Bore well/Tube well/Canal):-
Canal Water stored in water storage community tank.

13.Whether Drip/Sprinkler system in use:-
Drip Irrigation

14.Other inputs provided:- -----

15.Whether assistance availed for Organic Farming:- No

16.If so, area covered:-
Not applicable

17. Assistance availed:-



18.Available marketing facility for the crop:-
Local Mandies

19. Other infrastructure available in the vicinity:-
Orchards situated on N.H. No. 10 near Agroha town & 16 Km. for from
Distt. H.Q.

20. General upkeep of the plot: Very good/Good/Average/Poor :- Good.

21. Any other relevant observation by the JIT:-

Beneficiary No. 2

1. Name and address of Beneficiary whose field visited:-

Prameshwari Devi W/o Sh. Ram Chander

Budh Ram S/o Sh. Ram Chander

Pala Ram S/o Sh. Ram Chander

Jagdish S/o Sh. Ram Chander

V.P.O. Khara Kheri, Teh & Distt. Fatehabad

2. Total land available with the beneficiary (ha):- 5.2

3. Crop Cluster under which covered:- Citrus

4. Name and variety of crop planted:- Kinnow

5. Sources of planting material:-

Self purchased from the nurseries identified by the department

6. Number of plants planted:-1430 Plants

7. Date of planting:-

February & March 2009

8. Number of plants which survived (also indicate percentage survival):-1430, 100 %

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-

- a. Rs. 57200/- on 5.2 hectares plantation as 1st year assistance during 2008-09.
- b. 364 plants for gap filling as 2nd year maintenance during 2009-10
- c. Rs. 14664/- for purchase of insecticide, fungicide and fertilizer as 2nd year maintenance during 2009-10.

10.Amount paid and date of payment:-

As above

11.Mode of payment:-

Account payee cheques

12. Source of Irrigation Water (Bore well/Tube well/Canal):--

Canal Water stored in water storage community tank.

13. Whether Drip/Sprinkler system in use:-

Drip Irrigation

14.Other inputs provided:- -----

15.Whether assistance availed for Organic Farming:-

No

16. If so, area covered:-

Not applicable

17. Assistance availed:-

18. Available marketing facility for the crop:-

Local Mandies

19. Other infrastructure available in the vicinity:-

Orchards situated near N.H. No. 10 on Khara Kheri, Sarangpur Link Road

near Agroha town & 16 Km. for from Distt. H.Q.

20. General upkeep of the plot: Very good/Good/Average/Poor :-

Very Good.

21. Any other relevant observation by the JIT:-

Beneficiary No. 3

1. Name and address of Beneficiary whose field visited:-

Smt. Bindu Rani W/o Sh. Kailash Batra

Smt. Raj Rani W/o Sh. Vishawnath Munjal

Land situated in village Dhani Majra, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. Total land available with the beneficiary (ha):- 3.6

3. Crop Cluster under which covered:- Citrus

4. Name and variety of crop planted:- Kinnow

5. Sources of planting material:-

Self purchased from the nurseries identified by the department

6. Number of plants planted:-

1960 plants, planted on spacing 6m x 3m further he has planted 435 more

kinnow plants as high density plantation during February 2010.

7. Date of planting:-

September 2008 & February 2010

8. Number of plants which survived (also indicate percentage survival):- 100 %

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-

- i) Rs. 39600/- on 3.6 hectares plantation as 1st year assistance during 2008-09. The extra amount spent on plantation were beared by the beneficiaries.
- ii) 252 plants for gap filling as 2nd year maintenance during 2009-10
- iii) Rs. 10152/- for purchase of insecticide, fungicide and fertilizer as 2nd year maintenance during 2009-10

10.Amount paid and date of payment:-

As above

11. Mode of payment:-

Account payee cheques

12.Source of Irrigation Water (Bore well/Tube well/Canal):--

Canal Water stored in water storage community tank.

13. Whether Drip/Sprinkler system in use:-

Drip Irrigation

14. Other inputs provided:- -----

15. Whether assistance availed for Organic Farming:-

No

16. If so, area covered:-

Not applicable

17. Assistance availed:-

18.Available marketing facility for the crop:-

Local Mandies

19. Other infrastructure available in the vicinity:-

Orchards situated on S.H Fatehabad, Bhuna Road on & 6 Km. for from Distt. H.Q.

20. General upkeep of the plot Very good/Good/Average/Poor :- Very Good.

21. Any other relevant observation by the JIT:-

Beneficiary No. 4

1. Name and address of Beneficiary whose field visited:-

Vidhawati W/o Sh. Dev Raj

Smt. Resham Rani adopted D/o Sh. Leelawanti

Rishi Raj S/o Sh. Rajiv Kumar

Dev Raj S/o Sh. Lekh Raj

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. Total land available with the beneficiary (ha):- 20

3. Crop Cluster under which covered:-

Citrus- 1.5 Ha, Guava- 3.6 Ha rest of the orchards were planted by the beneficiaries

themselves earlier

4. Name and variety of crop planted:-

Citrus-Kinnow, Guava- Alahabadi Safeda/ Hisar Safeda

5. Sources of planting material:-

Self purchased from the nurseries identified by the department

6. Number of plants planted:-

440 plants Kinnow, 990 Plants Guava

7. Date of planting:-

Citrus March, 2006 & Guava August to Feb., 2006 .

8. Number of plants which survived (also indicate percentage survival):- Citrus- 100%, Guava- 100%.

9. Total amount of subsidy assistance due to the beneficiary as (Rs.):-

- a. Rs. 16984/- on 1.6 hectares on Kinnow plantation as 1st year assistance
- b. Rs.6794/- as 2nd year maintenance during 2006 on 1.6 Ha.
- c. Rs. 10161/- as 3rd year maintenance during 2007-08 on 1.6 Ha.
- d. 17550/- on 3.6 Ha. On Guava plantation as 1st year assistance during 2006-07
- e. Rs.7020/- as 2nd Maintenance during 2007-08 on 3.6 Ha. Guava.
- f. Rs.10530/- as 3rd year Maintenance during 2008-09 on 3.6 Ha. Guava

10. Amount paid and date of payment:-

As above

11. Mode of payment:-

Account payee cheques

12. Source of Irrigation Water (Bore well/Tube well/Canal):-

Canal Water stored in water storage community tank.

13. Whether Drip/Sprinkler system in use:-

Drip Irrigation

14. Other inputs provided:- -----

15. Whether assistance availed for Organic Farming:-

No

16. If so, area covered:-

Not applicable

17. Assistance availed:-

18. Available marketing facility for the crop:-

Local Mandies

19. Other infrastructure available in the vicinity:-

Orchards situated near Canal & 1 Km. away from N.H. – 10 & 12 Km. far from

Distt. H.Q.

20. General upkeep of the plot Very good/Good/Average/Poor :- Very Good.

21. Any other relevant observation by the JIT:-

Beneficiary No. 5

1. Name and address of beneficiary whose field visited

Smt. Raj Kumari W/o Sh. Ramesh Sachdeva

Ramesh Kumar S/o Sh. Jagat Narayan

Leela Krishan S/o Sh. Nand Lal

Smt. Satbhama W/o Sh. Jagat Narayan

Rishi Kumar S/o Sh. Rajiv

Abhisek Kumar S/o Sh. Ramesh Kumar

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. Total Land available with the beneficiary (ha)

14

3. Crop cluster under which covered

Citrus- 10 Acres & Aonla- 6 Acres (year 2006-07), Guava- 5.5 Acres (year 2009-10).

4. Name and variety of crop planted

Citrus-Kinnow, Guava- Alahabadi Safeda, Aonla- N.A.-7 & Chakaiya

5. Sources of planting material

Supplied by the department from the nurseries identified by the department

6. Number of plants planted

1100 plants Kinnow, 432 plants Aonla

7. Date of planting

Citrus & Aonla September 2006 & Guava - August 2009

8. Number of plants which survived (also indicated percentage survival)

Citrus- 100%, Aonla replaced with Guava- 100%, Guava-100%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.)

a. a) Rs. 42460/- on 4 hectares on Kinnow plantation as 1st year assistance during 2006-07. The extra amounts spent on high density plantation were beared by the beneficiaries.

b) Rs.15300/- on 2.4 hectares on Aonla as 1st year assistance during 2006-07

c) Rs.24200/- on 2.2 Hectares on Guava as 1st year assistance during 2009-10

b. Rs.16986/- as 2nd year maintenance during 2007-08 on 4 Ha. citrus orchards (in the form of planting metrical and inputs)

c. Rs.25478/- as 3rd year maintenance during 2008-09 on 4 Ha. Citrus orchards (in the form of inputs)

10.Amount paid and date of payment

As above

11.Mode of payment

Account payee cheques.

12.Source of Irrigation Water (Bore well/Tube well/Canal)

Canal Water stored in water storage community tank.

13.Whether drip/Sprinkler system in use

Drip Irrigation

14.Other inputs provided

15.Whether assistance availed for Organic Farming

-No-

16.If so, area covered

Not applicable

17.Assistance availed

18.Available marketing facility for the crop

Local Mandies

19.Other infrastructure available in the vicinity

Orchards situated near Canal & 1 Km. away from N.H. – 10 & 12 Km. far from Distt. H.Q.

20.General upkeep of the plot : Very Good/Good/Average/Poor

Good

21. Any other relevant observation by the JIT

Community Tanks

Beneficiary No. 1

1. Name and address of beneficiary whose field visited

Mahabir S/o Sh. Hanuman

Jogender S/o Sh. Hanuman

Rajender S/o Sh. Hanuman

V.P.O. Khara Kheri, Teh & Distt. Fatehabad

2. **Total land available with the beneficiary (ha):-** 4.4 Hect.

3. **Crop Cluster under which covered:-** Citrus

4. **Other relevant Activities under NHM:-**

I) Community Water storage tank for 4.4 Ha. Orchards.
100 assistance amount Rs.
Total Amount Rs. 440000/-

Beneficiary No. 2

1. **Name and address of Beneficiary whose field visited:-**
Prameshwari Devi W/o Sh. Ram Chander

Budh Ram S/o Sh. Ram Chander

Pala Ram S/o Sh. Ram Chander

Jagdish S/o Sh. Ram Chander

V.P.O. Khara Kheri, Teh & Distt. Fatehabad

2. **Total land available with the beneficiary (ha):-** 5.2 Hect.

3. **Crop Cluster under which covered:-** Citrus

4. **Other relevant Activities under NHM:-**

I) Community Water storage tank for 5.2 Ha. Orchards.
100% assistance amount Rs.
Rs. 520000/-

Beneficiary No. 3

1. **Name and address of Beneficiary whose field visited:-**
Smt. Bindu Rani W/o Sh. Kailash Batra

Smt. Raj Rani W/o Sh. Vishawnath Munjal

Land situated in village Dhani Majra, Teh & Distt. Fatehabad.

R/o – Fatehabad
2. **Total land available with the beneficiary (ha):-** 3.6 Hect.
3. **Crop Cluster under which covered:-** Citrus
4. **Other relevant Activities under NHM:-**

I) Community Water storage tank for 3.6 Ha. Orchards.
100% assistance amount Rs.
Rs. 360000/-

Beneficiary No. 4

1. **Name and address of Beneficiary whose field visited:-**
Vidhawati W/o Sh. Dev Raj

Smt. Resham Rani adopted D/o Sh. Leelawanti

Rishi Raj S/o Sh. Rajiv Kumar

Dev Raj S/o Sh. Lekh Raj

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad
2. **Total land available with the beneficiary (ha):-** 20 Hect.
3. **Crop Cluster under which covered:-**
Citrus- 1.5 Ha, Guava- 3.6 Ha. Rest of the orchards were planted by the

beneficiaries themselves earlier.
4. **Other relevant Activities under NHM:-**

I) Community Water storage tank
Rs. 10 lakh as 100 % assistance

Beneficiary No. 5

1. **Name and address of beneficiary whose field visited:-**
Smt. Raj Kumari W/o Sh. Ramesh Sachdeva

Ramesh Kumar S/o Sh. Jagat Narayan

Leela Krishan S/o Sh. Nand Lal

Smt. Satbhama W/o Sh. Jagat Narayan

Rishi Kumar S/o Sh. Rajiv

Abhisek Kumar S/o Sh. Ramesh Kumar

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. Total Land available with the beneficiary (ha) :-

14 Hectare

3. Crop cluster under which covered :-

Citrus- 10 Acres & Aonla- 6 Acres(year 2006-07),Guava- 5.5 Acres (year 2009-10).

4. Other relevant Activities under NHM:-

I) Community Water storage tank(Smt.Raj Kumari w/o Sh.Ramesh Kumar & others)

Rs. 10 lakh as 100 % assistance

Vermi Compost Units

Beneficiary No. 1

1. Name and address of beneficiary whose field visited

Mahabir S/o Sh. Hanuman

Jogender S/o Sh. Hanuman

Rajender S/o Sh. Hanuman

V.P.O. Khara Kheri, Teh & Distt. Fatehabad

2. Total land available with the beneficiary (ha):- 4.4 Hectare

3. Crop Cluster under which covered:- Citrus

Vermi Compost Unit -One

i) 50 % subsidy amount Rs. 30000/-

Beneficiary No. 2

1. Name and address of Beneficiary whose field visited:-

Prameshwari Devi W/o Sh. Ram Chander

Budh Ram S/o Sh. Ram Chander

Pala Ram S/o Sh. Ram Chander

Jagdish S/o Sh. Ram Chander

V.P.O. Khara Kheri, Teh & Distt. Fatehabad

2. **Total land available with the beneficiary (ha):-** 5.2 Hect.

3. **Crop Cluster under which covered:-** Citrus

Vermi Compost Unit –Two Unit

i) 50 % subsidy amount Rs. 60000/-

Beneficiary No. 3

1. **Name and address of Beneficiary whose field visited:-**

Smt. Bindu Rani W/o Sh. Kailash Batra

Smt. Raj Rani W/o Sh. Vishawnath Munjal

Land situated in village Dhani Majra, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. **Total land available with the beneficiary (ha):-** 3.6 Hectare

3. **Crop Cluster under which covered:-** Citrus

Vermi Compost Unit –One Unit

i) 50 % subsidy amount Rs. 30000/-

Beneficiary No. 4

1. **Name and address of beneficiary whose field visited**

Smt. Raj Kumari W/o Sh. Ramesh Sachdeva

Ramesh Kumar S/o Sh. Jagat Narayan

Leela Krishan S/o Sh. Nand Lal

Smt. Satbhama W/o Sh. Jagat Narayan

Rishi Kumar S/o Sh. Rajiv

Abhisek Kumar S/o Sh. Ramesh Kumar

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. **Total Land available with the beneficiary (ha)**

14 Hectare

3. **Crop cluster under which covered**

Citrus- 10 Acres & Aonla- 6 Acres (year 2006-07), Guava- 5.5 Acres (year 2009-10).

Vermi Compost Unit –One (Ramesh Kumar S/o Sh.Jagat Narayan)
Rs. 30000/-

Shade Nets

Beneficiary No.1

1. **Name and address of beneficiary whose field visited**
Smt. Raj Kumari W/o Sh. Ramesh Sachdeva

Ramesh Kumar S/o Sh. Jagat Narayan

Leela Krishan S/o Sh. Nand Lal

Smt. Satbhama W/o Sh. Jagat Narayan

Rishi Kumar S/o Sh. Rajiv

Abhisek Kumar S/o Sh. Ramesh Kumar

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad
2. **Total Land available with the beneficiary (ha)**
14 Hectare
3. **Crop cluster under which covered**
Citrus- 10 Acres & Aonla- 6 Acres (year 2006-07),Guava- 5.5 Acres (year 2009-10)

Shedding Net – 500 Sq. M. (Ramesh Kumar S/o Sh.Jagat Narayan)
Rs. 3500/-

Micro Irrigation

Beneficiary No. 1

1. Name and address of beneficiary whose field visited

Mahabir S/o Sh. Hanuman

Jogender S/o Sh. Hanuman

Rajender S/o Sh. Hanuman

V.P.O. Khara Kheri, Teh & Distt. Fatehabad

2. Total land available with the beneficiary (ha):- 4.4 Hect.

3. Crop Cluster under which covered:- Citrus

Assistance on MI :- (Mahabir S/o Sh. Hanuman & others)

Drip Installed in 4.4 Ha.

90 % Subsidy Rs. 122585/-

Beneficiary No. 2

- 1. Name and address of Beneficiary whose field visited:-**
Prameshwari Devi W/o Sh. Ram Chander

Budh Ram S/o Sh. Ram Chander

Pala Ram S/o Sh. Ram Chander

Jagdish S/o Sh. Ram Chander

V.P.O. Khara Kheri, Teh & Distt. Fatehabad
- 2. Total land available with the beneficiary (ha):-** 5.2 Hect.
- 3. Crop Cluster under which covered:-** Citrus

Assistance on MI :- (Prameshwari Devi W/o Sh. Ram Chander & others)

Drip Installed in 5.2 Ha.

90 % Subsidy Rs. 143454/-

Beneficiary No. 3

- 1. Name and address of Beneficiary whose field visited:-**
Smt. Bindu Rani W/o Sh. Kailash Batra

Smt. Raj Rani W/o Sh. Vishawnath Munjal

Land situated in village Dhani Majra, Teh & Distt. Fatehabad.

R/o – Fatehabad
- 2. Total land available with the beneficiary (ha):-** 3.6 Hectare
- 3. Crop Cluster under which covered:-** Citrus

Assistance on MI :- (Mahabir S/o Sh. Hanuman & others)

Drip Installed in 3.6 Ha.

90 % Subsidy Rs.113629/-

Beneficiary No. 4

- 1. Name and address of Beneficiary whose field visited:-**
Vidhawati W/o Sh. Dev Raj

Smt. Resham Rani adopted D/o Sh. Leelawanti

Rishi Raj S/o Sh. Rajiv Kumar

Dev Raj S/o Sh. Lekh Raj

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad

2. **Total land available with the beneficiary (ha):-** 20 Hect.
3. **Crop Cluster under which covered:-**
Citrus- 1.5 Ha, Guava- 3.6 Ha rest of the orchards were planted by the
beneficiaries themselves earlier

Assistance on MI :- (Smt. Vidhyawanti W/o Sh. Dev Raj Batra & others)

Drip Installed in 7.6 Ha.

50 % assistance Rs.127535/-

Beneficiary No. 5

1. **Name and address of beneficiary whose field visited**
Smt. Raj Kumari W/o Sh. Ramesh Sachdeva

Ramesh Kumar S/o Sh. Jagat Narayan

Leela Krishan S/o Sh. Nand Lal

Smt. Satbhama W/o Sh. Jagat Narayan

Rishi Kumar S/o Sh. Rajiv

Abhisek Kumar S/o Sh. Ramesh Kumar

Land situated in village Ahlisadar, Teh & Distt. Fatehabad.

R/o – Fatehabad
2. **Total Land available with the beneficiary (ha)**
14 Hectare
3. **Crop cluster under which covered**
Citrus- 10 Acres & Aonla- 6 Acres (year 2006-07), Guava- 5.5 Acres (year
2009-10).

Assistance on MI :- (Smt. Raj Kumari W/o Sh. Ramesh Sachdeva & others)

Drip Installed in 9.6 Ha

50 % Subsidy for Rs. 146485/-

OBSERVATIONS

- More canal water was required on priority.
- The canopy management of the plants is required for better result.



6. FIELD VISIT TO PANCHKULA DISTRICT

Area Expansion

1. **Name and address of beneficiary whose field visited:-**
Smt. Ravinder Lakhanpal Sh. P.C.Sharma
2. **Total Land available with the beneficiary (ha) :-**
3
3. **Crop cluster under which covered :-**
Mango & Sapota Cluster/ Spices
4. **Name and variety of crop planted :-**
1. Sapota (Cricket Ball)
5. **Sources of planting material :-**
Govt. Garden Nursery Punjore
6. **Number of plants planted :-**
Sapota – 150 Nos.
7. **Date of planting:-**
July, 2008
8. **Number of plants which survived (also indicated percentage survival):-**
150 , 100%
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.):-**
18,600
10. **Amount paid and date of payment:-**
Date:- 28.08.2008
11. **Mode of payment:-**
Plants & Cross cheque for inputs to Beneficiary
12. **Source of Irrigation Water (Bore well/Tube well/Canal):-**
Tube Well
13. **Whether drip/Sprinkler system in use:-**
Drip System
14. **Other inputs provided:-**
NA
15. **Whether assistance availed for Organic Farming:-**
One Vermi Compost Unit
16. **If so, area covered:-**
NA
17. **Assistance availed:-**
Rs. 30,000/- for One Vermi Compost Unit

18. **Available marketing facility for the crop:-**
Local Fruits and Vegetables market.
19. **Other infrastructure available in the vicinity:-**
NA
20. **General upkeep of the plot : Very Good/Good/Average/Poor:-**
Good
21. **Any other relevant observation by the JIT:-**

**Micro Irrigation
Beneficiary No. 1**

1. **Name and address of beneficiary whose field visited**
Smt. Ravinder Lakhanpal Sh. P.C.Sharma
2. **Total Land available with the beneficiary (ha)**
3 Hectare
3. **Crop cluster under which covered**
Mango & Sapota Cluster/ Spices

Micro Irrigation

1. **Ravinder Lakhanpal Sh. Puran Chand Sharma.**
Viii – Vasudevapura

Drip - 1 Hect Crop – Litchi & Chiku

Spacing 6x6 mtr.

Project Cost -40414

Total Subsidy – 31250

Farmer Share – 9164

GOI State Share

12500 18750
2. **Ravinder Lakhanpal Sh. Puran Chand Sharma.**
Sprinkler 2 Hect Crop Aloe vera, Garlic, Flowers

Project Cost - 36594

Total Subsidy – 15000

Farmer Share – 21594

GOI State Share

12000 15000

7. FIELD VISIT TO SIRSA DISTRICT

Area expansion

Beneficiary No. 1

1. **Name and address of beneficiary whose field visited**
Smt. Birmaawati w/o Sh. Nand Gopal & others R/o. Bhavdin Distt. Sirsa
2. **Total Land available with the beneficiary (ha)**
15
3. **Crop cluster under which covered**
Citrus
4. **Name and variety of crop planted**
Citrus - Kinnow
5. **Sources of planting material**
Supplied by the department from the identified nurseries.
6. **Number of plants planted**
880 Plants
7. **Date of planting/rejuvenation**
September, 2008
8. **Number of plants which survived (also indicated percentage survival)**
880 plants, 100%
9. **Total amount of subsidy assistance due to the beneficiary as (Rs.)**
 - a. Rs. 36000/- on 1st year assistance during year 2008-09.
 - b. Rs. 14400/- as 2nd year maintenance during 2009-10.
10. **Amount paid and date of payment**
As above
11. **Mode of payment**
Account payee cheques
12. **Source of Irrigation Water (Bore well/Tube well/Canal)**
Canal Water stored in water storage tank
13. **Whether drip/Sprinkler system in use**
Drip Irrigation System
14. **Other inputs provided**
Nil
15. **Whether assistance availed for Organic Farming**
Nil
16. **If so, area covered**
NA
17. **Assistance availed**
--

- 18. Available marketing facility for the crop**
Local market of Distt. Sirsa
- 19. Other infrastructure available in the vicinity**
Water Storage Community tank
- 20. General upkeep of the plot : Very Good/Good/Average/Poor**
Very Good
- 21. Any other relevant observation by the JIT**

Beneficiary No. 2

- 1. Name and address of beneficiary whose field visited**
Mahavir S/o Sh. Ram Lal R/o. Khari Sureran Distt. Sirsa

Jaswant S/o Sh. Ram Lal R/o. Khari Sureran Distt. Sirsa

Balram S/o Sh. Begraj R/o. Khari Sureran Distt. Sirsa

Mahender S/o Sh. Prithivi Ram R/o. Khari Sureran Distt. Sirsa
- 2. Total Land available with the beneficiary (ha)**
14
- 3. Crop cluster under which covered**
Citrus
- 4. Name and variety of crop planted**
Citrus - Kinnow
- 5. Sources of planting material**
Supplied by the department from the identified nurseries
- 6. Number of plants planted**
2750 Plants
- 7. Date of planting**
August, 2008
- 8. Number of plants which survived (also indicated percentage survival)**
2750 plants, 100%
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.)**
a. Rs. 112500/- on 1st year assistance during year 2008-09.
b. Rs. 45000/- as 2nd year maintenance during 2009-10.
- 10. Amount paid and date of payment**
As above
- 11. Mode of payment**
Account payee cheques
- 12. Source of Irrigation Water (Bore well/Tube well/Canal)**

Canal Water stored in Community water storage tank

13. Whether drip/Sprinkler system in use

Drip Irrigation System

14. Other inputs provided

Nil

15. Whether assistance availed for Organic Farming

Nil

16. If so, area covered

NA

17. Assistance availed

NA

18. Available marketing facility for the crop

Local market of Distt. Sirsa

19. Other infrastructure available in the vicinity

Water Storage Community tank

20. General upkeep of the plot : Very Good/Good/Average/Poor

Very Good

21. Any other relevant observation by the JIT

Beneficiary No. 3

1. Name and address of beneficiary whose field visited

Mahavir Parsad S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Parkash S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Balwant S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Balvir S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

2. Total Land available with the beneficiary (ha)

11

3. Crop cluster under which covered

Citrus

4. Name and variety of crop planted

Citrus - Kinnow

5. Sources of planting material

Supplied by the department from the identified nurseries

6. Number of plants planted

2750 Plants

7. Date of planting

August, 2008

8. Number of plants which survived (also indicated percentage survival)

2750 plants, 100%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.)

- a. Rs. 112500/- on 1st year assistance during year 2008-09.
- b. Rs. 45000/- as 2nd year maintenance during 2009-10.

10.Amount paid and date of payment

As above

11.Mode of payment

Account payee cheques

12.Source of Irrigation Water (Bore well/Tube well/Canal)

Canal Water stored in Community water storage tank

13.Whether drip/Sprinkler system in use

Drip Irrigation System

14.Other inputs provided

Nil

15.Whether assistance availed for Organic Farming

Nil

16.If so, area covered

NA

17.Assistance availed

NA

18.Available marketing facility for the crop

Local market of Distt. Sirsa

19.Other infrastructure available in the vicinity

Water Storage Community tank

20.General upkeep of the plot : Very Good/Good/Average/Poor

Very Good

21.Any other relevant observation by the JIT

Beneficiary No. 4

1. Name and address of beneficiary whose field visited

Ram Singh S/o Sh. Kashi Ram R/o. Khari Sureran Distt. Sirsa

Kahna Ram S/o Sh. Surja Ram R/o. Khari Sureran Distt. Sirsa

Parkash S/o Sh. Surja Ram R/o. Khari Sureran Distt. Sirsa

Surender Kumar S/o Sh. Parkash R/o. Khari Sureran Distt. Sirsa

- 2. Total Land available with the beneficiary (ha)**
12
- 3. Crop cluster under which covered**
Citrus
- 4. Name and variety of crop planted**
Citrus - Kinnow
- 5. Sources of planting material**
Supplied by the department from the nurseries identified by the department.
- 6. Number of plants planted**
2750 Plants
- 7. Date of planting**
September, 2008
- 8. Number of plants which survived (also indicated percentage survival)**
2750 plants, 100%
- 9. Total amount of subsidy assistance due to the beneficiary as (Rs.)**
a. Rs. 112500/- on 1st year assistance during year 2008-09.
b. Rs. 45000/- as 2nd year maintenance during 2009-10.
- 10.Amount paid and date of payment**
As above
- 11.Mode of payment**
Account payee cheques
- 12.Source of Irrigation Water (Bore well/Tube well/Canal)**
Canal Water stored in Community water storage tank
- 13.Whether drip/Sprinkler system in use**
Drip Irrigation System
- 14.Other inputs provided**
Nil
- 15.Whether assistance availed for Organic Farming**
Nil
- 16.If so, area covered**
NA
- 17.Assistance availed**
NA
- 18.Available marketing facility for the crop**
Local market of Distt. Sirsa
- 19.Other infrastructure available in the vicinity**
Water Storage Community tank
- 20.General upkeep of the plot : Very Good/Good/Average/Poor**

Good

21. Any other relevant observation by the JIT

Beneficiary No. 5

1. Name and address of beneficiary whose field visited

Harinder Singh S/o Sh. Jagtar Singh & others R/o. Sahuwala Distt. Sirsa

2. Total Land available with the beneficiary (ha)

15

3. Crop cluster under which covered

Citrus

4. Name and variety of crop planted

Citrus - Kinnow

5. Sources of planting material

Supplied by the department from the identified nurseries.

6. Number of plants planted

2750 Plants

7. Date of planting

August, 2009

8. Number of plants which survived (also indicated percentage survival)

2750 plants, 100%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.)

i) Rs. 112500/- on 1st year assistance during year 2009-10.

10. Amount paid and date of payment

As above

11. Mode of payment

Account payee cheques

12. Source of Irrigation Water (Bore well/Tube well/Canal)

Canal Water stored in Community water storage tank

13. Whether drip/Sprinkler system in use

Drip Irrigation System

14. Other inputs provided

Nil

15. Whether assistance availed for Organic Farming

Nil

16. If so, area covered

NA

17. Assistance availed

NA

18. Available marketing facility for the crop

Local market of Distt. Sirsa

19. Other infrastructure available in the vicinity

Water Storage Community tank

20. General upkeep of the plot : Very Good/Good/Average/Poor

Very Good

21. Any other relevant observation by the JIT

Beneficiary No. 6

1. Name and address of beneficiary whose field visited

1. Subhash Chander S/o Sh. Dulla Ram R/o. Kheowali Distt. Sirsa
2. Surjeet Singh S/o Sh. Surajbhan R/o. Kheowali Distt. Sirsa
3. Rakesh S/o Sh. Rajender Singh R/o. Kheowali Distt. Sirsa

2. Total Land available with the beneficiary (ha)

i.

3. Crop cluster under which covered

Citrus

4. Name and variety of crop planted

Citrus - Kinnow

5. Sources of planting material

Supplied by the department from the identified nurseries

6. Number of plants planted

2750 Plants

7. Date of planting

September, 2008

8. Number of plants which survived (also indicated percentage survival)

2750 plants, 100%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.)

i) Rs. 106160/- on 1st year assistance during year 2006-07.

ii) Rs. 42464/- on 2nd year assistance during year 2007-08.

iii) Rs. 63696/- on 3rd year assistance during year 2008-09.

10. Amount paid and date of payment

As above

11. Mode of payment

Account payee cheques

12. Source of Irrigation Water (Bore well/Tube well/Canal)

Canal Water stored in Community water storage tank

13. Whether drip/Sprinkler system in use

Drip Irrigation System

14. Other inputs provided

Nil

15. Whether assistance availed for Organic Farming

Nil

16. If so, area covered

NA

17. Assistance availed

NA

18. Available marketing facility for the crop

Local market of Distt. Sirsa

19. Other infrastructure available in the vicinity

Water Storage Community tank

20. General upkeep of the plot : Very Good/Good/Average/Poor

Very Good

21. Any other relevant observation by the JIT

Beneficiary No. 7

1. Name and address of beneficiary whose field visited

1. Jitender Singh S/o Sh.Lal Chand & others R/o. Kheowali Distt. Sirsa

2. Total Land available with the beneficiary (ha)

20

3. Crop cluster under which covered

Citrus

4. Name and variety of crop planted

Citrus - Kinnow

5. Sources of planting material

Supplied by the department from the identified nurseries

6. Number of plants planted

2750 Plants

7. Date of planting

August, 2008

8. Number of plants which survived (also indicated percentage survival)

2750 plants, 100%

9. Total amount of subsidy assistance due to the beneficiary as (Rs.)

i) Rs. 112500/- on 1st year assistance during year 2008-09.

ii) Rs. 45000/- on 2nd year assistance during year 2009-10.

10.Amount paid and date of payment

As above

11.Mode of payment

Account payee cheques

12.Source of Irrigation Water (Bore well/Tube well/Canal)

Canal Water stored in Community water storage tank

13.Whether drip/Sprinkler system in use

Drip Irrigation System

14.Other inputs provided

Nil

15.Whether assistance availed for Organic Farming

Nil

16.If so, area covered

NA

17.Assistance availed

NA

18.Available marketing facility for the crop

Local market of Distt. Sirsa

19.Other infrastructure available in the vicinity

Water Storage Community tank

20.General upkeep of the plot : Very Good/Good/Average/Poor

Good

21.Any other relevant observation by the JIT

Community Tanks

Beneficiary No. 1

- 1. Name and address of beneficiary whose field visited**
Smt. Birmaawati w/o Sh. Nand Gopal & others R/o. Bhavdin Distt. Sirsa
- 2. Total Land available with the beneficiary (ha)**
15 Hectare
- 3. Crop cluster under which covered**
Citrus
- 4. Other relevant Activities under NHM:-**
 - I) **Community Tank**
 1. Water storage community tank
 2. 100 % subsidy Rs. 7,20,000/-

Beneficiary No. 2

- 1. Name and address of beneficiary whose field visited**
Mahavir S/o Sh. Ram Lal R/o. Khari Sureran Distt. Sirsa

Jaswant S/o Sh. Ram Lal R/o. Khari Sureran Distt. Sirsa

Balram S/o Sh. Begraj R/o. Khari Sureran Distt. Sirsa

Mahender S/o Sh. Prithivi Ram R/o. Khari Sureran Distt. Sirsa
- 2. Total Land available with the beneficiary (ha)**
14 Hectare
- 3. Crop cluster under which covered**
Citrus
- 4. Other relevant Activities under NHM:-**
 - I) **Community Tank**
 1. Water storage community tank
 2. 100 % subsidy Rs. 10,00,000/-

Beneficiary No. 3

- 1. Name and address of beneficiary whose field visited**
Mahavir Parsad S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Parkash S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Balwant S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Balvir S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

2. Total Land available with the beneficiary (ha)

11 Hectare

3. Crop cluster under which covered

Citrus

4. Other relevant Activities under NHM:-

I) Community Tank

- I. Water storage community tank
2. 100 % subsidy Rs. 10,00,000/-

Beneficiary No. 4

1. Name and address of beneficiary whose field visited

Ram Singh S/o Sh. Kashi Ram R/o. Khari Sureran Distt. Sirsa

Kahna Ram S/o Sh. Surja Ram R/o. Khari Sureran Distt. Sirsa

Parkash S/o Sh. Surja Ram R/o. Khari Sureran Distt. Sirsa

Surender Kumar S/o Sh. Parkash R/o. Khari Sureran Distt. Sirsa

2. Total Land available with the beneficiary (ha)

12 Hectare

3. Crop cluster under which covered

Citrus

4. Other relevant Activities under NHM:-

I) Community Tank

- I. Water storage community tank
2. 100 % subsidy Rs. 10,00,000/-

Beneficiary No. 5

1. Name and address of beneficiary whose field visited

Harinder Singh S/o Sh. Jagtar Singh & others R/o. Sahuwala Distt. Sirsa

2. Total Land available with the beneficiary (ha)

15 Hectare

3. Crop cluster under which covered

Citrus

4. Other relevant Activities under NHM:-

I) Community Tank

- I. Water storage community tank
2. 100 % subsidy Rs. 10,00,000/-

Beneficiary No. 6

1. Name and address of beneficiary whose field visited

1. Subhash Chander S/o Sh. Dulla Ram R/o.Kheowali Distt. Sirsa
2. Surjeet Singh S/o Sh. Surajbhan R/o.Kheowali Distt. Sirsa
3. Rakesh S/o Sh. Rajender Singh R/o.Kheowali Distt. Sirsa

2. Total Land available with the beneficiary (ha)

15 Hectare

3. Crop cluster under which covered

Citrus

4. Other relevant Activities under NHM:-

I) Community Tank

- I. Water storage community tank
2. 100 % subsidy Rs. 10,00,000/-

Beneficiary No. 7

1. Name and address of beneficiary whose field visited

1. Jitender Singh S/o Sh.Lal Chand & others R/o. Kheowali Distt. Sirsa

4. Total Land available with the beneficiary (ha)

20 Hectare

3. Crop cluster under which covered

Citrus

4. Other relevant Activities under NHM:-

I) Community Tank

- i. Water storage community tank
- ii. 100 % subsidy Rs. 10, 00,000/-

Micro Irrigation

Beneficiary No. 1

- 1. Name and address of beneficiary whose field visited**
Smt. Birmaawati w/o Sh. Nand Gopal & others R/o. Bhavdin Distt. Sirsa
- 2. Total Land available with the beneficiary (ha)**
15 Hectare
- 3. Crop cluster under which covered**
Citrus

Assistance on MI Scheme

- ii) Name and address of beneficiary whose field visited**
Smt. Birmaawati w/o Sh. Nand Gopal & others R/o. Bhavdin Distt. Sirsa
- i) Area under Drip irrigation - 3.2 Hectare
- ii) 50% Subsidy

Beneficiary No. 2

- 1. Name and address of beneficiary whose field visited:-**
Mahavir S/o Sh. Ram Lal R/o. Khari Sureran Distt. Sirsa
Jaswant S/o Sh. Ram Lal R/o. Khari Sureran Distt. Sirsa
Balram S/o Sh. Begraj R/o. Khari Sureran Distt. Sirsa
Mahender S/o Sh. Prithivi Ram R/o. Khari Sureran Distt. Sirsa
- 2. Total Land available with the beneficiary (ha):-**
14 Hectare
- 3. Crop cluster under which covered:-**
Citrus

Assistance on MI Scheme

- iii) Name and address of beneficiary whose field visited**
Mahavir S/o Sh. Ram Lal & others R/o. Khari Sureran Distt. Sirsa
- i) Area under Drip irrigation - 10 Hectare
- ii) 90 % Subsidy Rs. 284418/-

Beneficiary No.3

- 1. Name and address of beneficiary whose field visited**
Mahavir Parsad S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Parkash S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Balwant S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

Balvir S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

2. Total Land available with the beneficiary (ha)

11 Hectare

3. Crop cluster under which covered

Citrus

Assistance on MI Scheme

i) Name and address of beneficiary whose field visited

Mahavir Parsad S/o Sh. Udmi Ram R/o. Khari Sureran Distt. Sirsa

i) Area under Drip irrigation - 10 Hectare

ii) 90 Subsidy Rs.284418/-

Beneficiary No. 4

1. Name and address of beneficiary whose field visited

Ram Singh S/o Sh. Kashi Ram R/o. Khari Sureran Distt. Sirsa

Kahna Ram S/o Sh. Surja Ram R/o. Khari Sureran Distt. Sirsa

Parkash S/o Sh. Surja Ram R/o. Khari Sureran Distt. Sirsa

Surender Kumar S/o Sh. Parkash R/o. Khari Sureran Distt. Sirsa

2. Total Land available with the beneficiary (ha)

12 Hectare

3. Crop cluster under which covered

Citrus

Assistance on MI Scheme

i) Name and address of beneficiary whose field visited

Ram Singh S/o Sh. Kashi Ram R/o. Khari Sureran Distt. Sirsa

i) Area under Drip irrigation - 10 Hectare

ii) 90 % Subsidy Rs. 284418/-

Beneficiary No. 5

1. Name and address of beneficiary whose field visited

Harinder Singh S/o Sh. Jagtar Singh & others R/o. Sahuwala Distt. Sirsa

2. Total Land available with the beneficiary (ha)

15 Hectare

3. Crop cluster under which covered

Citrus

Assistance on MI Scheme

- i) Name and address of beneficiary whose field visited**
Harinder Singh S/o Sh.Jagtar Singh & others R/o. Sahuwala-I Distt. Sirsa
- i) Area under Drip irrigation - 10 Hectare
- ii) 90 % Subsidy Rs. 284418/-

Beneficiary No. 6

1. Name and address of beneficiary whose field visited

1. Subhash Chander S/o Sh. Dulla Ram R/o. Kheowali Distt. Sirsa
2. Surjeet Singh S/o Sh. Surajbhan R/o. Kheowali Distt. Sirsa
3. Rakesh S/o Sh. Rajender Singh R/o. Kheowali Distt. Sirsa

4. Total Land available with the beneficiary (ha)

15 Hectare

5. Crop cluster under which covered

Citrus

Assistance on MI Scheme

- ii) Name and address of beneficiary whose field visited**
Subhash Chander S/o Sh. Dulla Ram R/o. Kheowali Distt. Sirsa
- i) Area under Drip irrigation - 10 Hectare
- ii) 50 % Subsidy Rs. 158010/-

Beneficiary No. 7

1. Name and address of beneficiary whose field visited

1. Jitender Singh S/o Sh.Lal Chand & others R/o. Kheowali Distt. Sirsa

2. Total Land available with the beneficiary (ha)

20 Hectare

3. Crop cluster under which covered

Citrus

Assistance on MI Scheme

- i) Name and address of beneficiary whose field visited**
Jitender Singh S/o Sh. Lal Chand & others R/o. Kheowali Distt. Sirsa
- i) Area under Drip irrigation - 10 Hectare

ii) 90 % Subsidy Rs. 284418/-

OBSERVATIONS

- Cotton being exhaustive crop should be avoided as an inter crop in citrus orchards. The growth of the plant is reduced with cotton crop.
- The water for storage in community tank was not available with the farmers as very less water is running in the canal. The water needs to be given on priority to the farmers.
- Training programmes for canopy management, drip irrigation are required for the farmers.

8. VISIT TO COOL CHAIN PROJECTS:

Name of the Projects Visited:

1. Grading, Sorting and waxing and cold storage facility for Kinnow at Abub Shahar (Sirsa)
2. i.) Multi commodity (fruits & vegetable) Pack House – cum – Cold Storage Facility.
ii.) Kisan Bazaar
iii.) Retail market at Rohtak.
iv.) Air conditioned state of art market for vegetable, fruit and other allied services.
3. Grading and cold storage facility for potato and other fruit and vegetables at Shahabad.
4. Multi Commodity Cold Storage-cum-Pack House facility at Panchkula (Phase-I)
5. Apple market, Air conditioned Fruit and vegetable market infrastructure at Panchkula (Phase-II)

Note: - This project was approved in two parts i.e. under Phase – I & II as above.

6. Multi Commodity Cold Storage-cum-Pack House facility at Karnal.
Air conditioned Fruit and vegetable market infrastructure, Wholesale market.
Farmer information center.
7. Multi Commodity Cold Storage-cum-Pack House facility at Hisar.

Wholesale market, Farmer information center.

Haryana State Agriculture Marketing Board (HSAMB)

- (i) The HSAMB has made sufficient arrangements such as a specialized man power has been recruited consisting of 20 agri-business managers for this purpose. These agri-business managers will be responsible for operation and management of the facilities created and they will carry out all the activities like backward linkages with farmers and forward linkage with potential buyers, traders and corporates. They will guide the farmers about post harvest management, market intelligence, crop management and about technological advancement in the field of horticulture, so as to realise the best price of their produce. A fully equipped farmer information centre is being developed at every commodity hub for updating farmers.

- (ii) Process of leasing these facilities is on and five of them has already been leased out and offers for another two has been received. Also the rest of these will be leased out shortly to the experienced parties. Here it is pertinent to point out that the appointed agri-business managers will assist the lessee fully keeping in view the highest interest of farmers and they will provide all type of logistic support to run these facilities as the objective of board to transfer the benefits to the farmers/consumers. The agri-business managers will regularly arrange the farmers/traders meet at the leased facilities and will also train the farmers for post harvest management, marketing intelligence and value addition.

- (iii) With regard to slow implementation it was informed that this being an new venture a complete new engineering design was to be developed and a proper space was to be created in the market yards. But the board through its consistent efforts has been able to take these projects to logical end despite the deficient expert man power in this field with the Board.

The endeavor of the board is to transfer the benefits of horticultural/agricultural produce to the farmers/consumers through technological interventions. So considering the highest interest of farming

community the board envisaged the projects like Terminal market, collection centres, commodity hubs , state of art, air conditioned fruit and vegetables and processing plants to provide end to end solutions.

OBSERVATIONS

- Wide publicity needs to be given to the farmers for proper use of PHM facilities. Full capacity utilization of ripening chambers required throughout the year.
- Ripening chamber was constructed by Mandi Board, however it requires standardization for use of ripening chemicals. The farmers need proper training. The Mandi Board has also constructed various shops for the farmers which they planned to lease out.
- Mandi Board has constructed a good market in Karnal. Packing houses are likely to be leased out to the farmers and good work has been initiated by the Mandi Board.

STATUS OF COOL CHAIN PROJECTS (NHM PHASE I& II) IN THE STATE OF HARYANA

PHASE - I

Amount in lakh

Sr. No.	Name of Projects Details of Infrastructure created at each site is attached at annexure – “A”	A/A under NHM	Total Expen diture	Present Status	Utilization	Comments
1	2	3	4	5	6	7
1.	Grading sorting and waxing and cold storage facility for Kinnow at Abub	608.33	507.10	Work stands completed sand the facility is in running	The facility has been used by the farmers and traders since	The farmer / users have gained approximately 30 % through grading, waxing and storage in this facility. The capacity utilization is increasing year by year. Efforts are

	Shahar (Sirsa)			condition.	last two years.	being made to attach the farmers who are growing tomato, tinda, guava and other round fruit and vegetables for its round the year usages of this facility. A farmer information center has been developed to literate the farmers in Agri. Business.
2.	<p>i. Multi commodity (fruit &vegetable) Pack House –cum- Cold Storage facility</p> <p>ii. Kisan Bazaar</p> <p>iii. Retail Market at Rohtak.</p> <p>iv. Air conditioned state of art market for vegetable, fruit and other allied services.</p>	1052.37	568.29	Work stands completed and the facility is in running condition.	<p>The facility has been leased out since last year. The 5 Nos. (10 mt. each) are being utilized fully. The rest of facility utilization will start shortly with the installation of grading and packing lines.</p>	<p>A multi commodity pack house / cold storage facility has been created. The consumer has appreciated the quality of banana ripened here. Almost 35 % banana of Rohtak market arrives in pack house for ripening. Grading and packing facility is being started for shortly.</p> <p>Kissan bazaar a new concept has been introduced for direct marketing by the farmers. A well planned farmer market has been created and shops in this market will be allotted to directly on monthly or so basis to provide an opportunity to farmer to sell their produce directly in the market so as to fetch remunerative price.</p> <p>A state of art retail market has been created, so that there is no wastage and vegetable are kept in hygiene atmosphere.</p> <p>A farmer information center has been created to literate the farmers in Agri. Business.</p>

						<p>A state of art air conditioned enclosed building for fruit and vegetable market and other agricultural allied activities is being developed.</p> <p>Agri. Business center has been developed to literate the farmers.</p>
3.	Grading and cold storage facility for potato and other fruit and vegetables at Shahabad	640.70	438.50	Work stands completed and the facility is in running condition.	The facility has been leased out and lessee will start its utilization very shortly (the potato season).	This is a potato specific facility. Beside this pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.
4.	<p>(Phase – I) Multi Commodity Cold Storage-cum-Pack House facility at Panchkula (Phase – II) .</p> <p>Apple market.</p> <p>Air conditioned.</p> <p>Fruit and vegetable market infrastructure.</p> <p>Note:- This project was approved in two parts i.e. under Phase – I & II as above.</p>	242.28	136.32	Work stands completed and the facility is in running condition.	The facility is being leased and it is likely to commission within next months.	<p>The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p> <p>An apple market has been developed to cater the farmers of surrounding states and consumer of tri city and state. Controlled atmosphere chamber will also be developed in 2nd phase.</p> <p>A state of art air conditioned enclosed building for fruit and vegetable market and other agricultural allied activities is being</p>

						<p>developed.</p> <p>Agri. Business center is being developed to literate the farmers.</p>
5.	<p>Multi Commodity Cold Storage-cum-Pack House facility at Karnal.</p> <p>Air conditioned.</p> <p>Fruit and vegetable market infrastructure.</p> <p>Wholesale market.</p> <p>Farmer information center.</p>	1001.26	859.16	<p>Work stands completed and the facility is in running condition.</p>	<p>The facility is being leased out and it is likely to commission within next months.</p>	<p>The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p> <p>A state of art air conditioned enclosed building for fruit and vegetable market and other agricultural allied activities is being developed.</p> <p>A whole sale market for fruit and vegetable has been developed fully by the Board including the shops.</p> <p>Agri. Business center is being developed to literate the farmers.</p>
6.	<p>Multi Commodity Cold Storage-cum-Pack House facility at Panipat.</p> <p>Wholesale market.</p> <p>Farmer information center.</p>	835.97	829.14	<p>Work stands completed and the facility is in running condition.</p>	<p>The facility is being leased out and it is likely to commission within next months.</p>	<p>The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p> <p>A state of art air conditioned enclosed building for fruit and</p>

						<p>vegetable market and other agricultural allied activities is being developed.</p> <p>A whole sale market for fruit and vegetable has been developed fully by the Board.</p> <p>Agri. Business center is being developed to literate the farmers.</p>
7.	<p>Multi Commodity Cold Storage-cum-Pack House facility at Gurgaon.</p> <p>Farmer information center.</p>	693.52	475.92	<p>Work stands completed and the facility is in running condition.</p>	<p>The facility has been leased out and it is likely to commission within next months.</p>	<p>The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p>
8.	<p>Multi Commodity Cold Storage-cum-Pack House facility at Hisar.</p> <p>Wholesale market.</p> <p>Farmer information center.</p>	830.58	880.41	<p>Wholesale market work completed and the facility is in running condition.</p>	<p>The facility is being leased out and it is likely to commission within next months.</p>	<p>The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p> <p>A whole sale market for fruit and vegetable has been developed fully by the Board.</p> <p>Agri. Business center is being developed to literate the farmers.</p>
9.	Multi Commodity	583.58	450.56	Work stands	The facility is	The facility consists of pre cooling,

	<p>Cold Storage-cum-Pack House facility at Narnaul.</p> <p>Wholesale market.</p> <p>Farmer information center.</p>			<p>completed and the facility is in running condition.</p>	<p>being leased out and it is likely to commission within next 2 months.</p>	<p>ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p> <p>A whole sale market for fruit and vegetable has been developed fully by the Board.</p> <p>Agri. Business center is being developed to literate the farmers.</p>
10.	<p>Beri.</p> <p>Onion storage.</p> <p>Farmer information center.</p>	332.33	90.73	<p>Work is in progress and is likely to be completed for 4 to 5 months.</p>	<p>Utilization will be stated soon after the completion of facility.</p>	<p>The facility is being created for the storage of onion and grading & packing facilities is being created. This hub will serve the farmer and consumer in respect of onion as it is established in onion growing area.</p> <p>Agri. Business center is being developed to literate the farmers.</p>
11.	<p>Multi Commodity Cold Storage-cum-Pack House facility at Sonepat.</p> <p>Farmer information center.</p>	439.52	173.41	<p>Work will be completed within 6 months as a basement is involved at this station.</p>	<p>Utilization will be stated soon after the completion of facility.</p>	<p>The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management.</p> <p>Agri. Business center is being</p>

						developed to literate the farmers.
12.	Multi Commodity Cold Storage-cum-Pack House facility at Faridabad. Farmer information center.	390.38	151.76	Work is near completion.	The facility has been leased out and it is likely to commission within next 2 months.	The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management. Agri. Business center is being developed to literate the farmers.
13.	Multi Commodity Cold Storage-cum-Pack House facility at Jind. Farmer information center.	221.59	81.29	Work is near completion.	The facility has been leased out and it is likely to commission within next 2 months.	The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management. Agri. Business center is being developed to literate the farmers.

14.	Multi Commodity Cold Storage-cum-Pack House facility at Pehowa. Farmer information center.	221.59	88.7	Work is near completion.	The facility is being leased out and it is likely to commission within next 3 months.	The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management. Agri. Business center is being developed to literate the farmers.
15.	Multi Commodity Cold Storage-cum-Pack House facility at Yamuna Nagar. Farmer information center.	390.38	111.84	Work is near completion.	The facility is being leased out and it is likely to commission within next 3 months.	The facility consists of pre cooling, ripening chamber, cold storage and grading & packing facilities have been created. This hub will serve the farmer and consumer in respect of fruit and vegetable grown and sold in the area for value addition and post harvest management. Agri. Business center is being developed to literate the farmers.

VISIT TO INDO ISRAEL PROJECT (IIP) AT CENTRE OF EXCELLENCE FOR VEGETABLES (CEV),GHARAUNDA (KARNAL)

Centre of excellence for vegetables stationed at Gharaunda, District Karnal, Haryana is a premier centre focusing the need of the present time for maximum space irrespective of season, time of planting and unfavorable weather monetary outcomes against harsh, adverse conditions and arable land through drip, sprinkler in open field and mini sprinkler in fogger and mist irrigation for production of quality vegetable seedlings of the hybrid varieties crop production and protection. It's major objectives being promotion of water saving technologies for adoption by the farmers, maximum use of land throughout the year, pollution free environment for vegetable production, emphasis on organic farming, least or minimum use of toxic and hazardous agrochemicals in vegetable production, safe use of chemical fertilizers and above all off season production of vegetable throughout the year. It plays a vital role in promoting and safe guarding role in promoting and safe guarding the interest of vegetable growers to use protective farming techniques for production of quality fruits of tomato, capsicum (of various colored fruits) cherry tomato, Parthenocarpic cucumber, Hot chilies etc. by using drip irrigation cum fertigation/ production of quality seedlings of vegetable crops in and another major activities of the centre which is being continuously demonstrated to groups of farmers visiting this centre throughout the year.

This centre plays an important part in improving farmer's economy through minimum use of chemical fertilizer and promotes its uses according to the need of the crop and season. These technologies will go a long way in the improvement and sustainability of land resources, soil health, soil productivity, sub soil water use and better crop production without the use of chemicals (herbicides, acaricides, weedicides, insecticides, pesticides etc.).

This centre is well equipped to demonstrate to vegetable farming community to reduce water consumption advanced water- saving techniques to direct water flow straight to the root zone systems and protective agriculture is being significantly expanded. Therefore, increasing use of greenhouses/poly houses with the aid of National Horticulture Mission is a good example of how CEV activities overcome restrictions imposed by nature.

Above all this centre is a boon to the farmers of the nation and is farmers friendly supporting to the need and requirements of the present time.

OBSERVATIONS

Appreciable work has been conducted on protected cultivation of Capsicum, Chilli, and Tomato. The consultants providing good services for the transfer of technology to the farmers. A good collection of seedling of vegetable was seen, it requires to boost the production of flower in the area and training of farmers at a faster speed.



10. VISIT TO INDO ISRAEL PROJECT (IIP) AT CENTRE OF EXCELLENCE FOR FRUITS (CEF), GOVERNMENT GARDEN AND NURSERY MANGIANA (SIRSA)

1. Mango: About 5782 stones of variety **Saveir** ,13/9 and 4/9 were imported from Israel during August, 2009 and sown in poly bags as per guidance of Israeli Mango experts after extraction of kernels. Good Agricultural Practices (GAP) were adopted. More than 90% germination has been obtained and more than 60% survival of plants. These plants are likely to be ready for grafting as well as Indian varieties of Mango by the end of August-September, 2010.About 878 plants of Mango cultivar Kesar, Ratna, Amarpali and Malika has also been arranged from South. Plantation has been completed in 12 Acre of area under different varieties of Mango like Savier, 13/9, 4/9 and indigenous varieties like Dussery, Langda, Chaousa, Amarpali and Ramkela.

2. Citrus: About 6000 rootstocks of Citrus cultivar Rangpur Lime and Rough Lemon (Jatti-Khatti) has been arranged in poly bags from source of repute for budding Israeli Citrus varieties for different experiments. Total 3550 no. buds of different Citrus varieties of easy peelers and sweet oranges has been arranged from Israel and budded on the above said rootstocks as per method of budding named **"Chip method of budding"** suggested by Israeli Citrus Expert.About 45-99% success in budding has been obtained. Plants of 11 Israeli varieties (Easy peelers and Sweet oranges) have been planted in 10 acres of land under different experiments along with local varieties for evaluation and assessment.

3. Pomegranate: About 790 plants of Pomegranate cultivar Bhagwa and Mridulla has been arranged from South and are being protected under control conditions. Plants are performing very well under these conditions and field plantation in 4 acres likely to be completed by the end of first week of September, 2010.

4. Olive: Concentrated efforts are being made from H.Q. for the arrangement of planting material of Olive.

5. Plasiculture/ protected cultivation infrastructure:

a. Hi-tech Green House: Construction of Hi-tech Green House has been completed and testing is pending due to final handing over of the structure by the firm.

b. Hi-tech Shade Net Houses: Construction of Hi-tech Shade Net Houses are under progress. More than 80% work has been completed.

6 Micro Irrigation: It has been planned to irrigate the entire plantation in the protected infrastructure as well as in the field through micro irrigation for which more than 80% work has been done. Installations of machinery and equipments are under progress in the irrigation rooms. Lateral lines for irrigation in the different experiments in the field have been laid out. Risers, mains and sub-mains have also been laid out and are at the final stage of operation.

OBSERVATIONS

Excellent center for citrus mango programme has been taken at a good speed with greenhouse, polyhouse and plantation of mango at the field. Continuous management required by strengthening and possibility of filling up the various pots. The station is at the infancy stage which will require scientific support of the University.

11. OBSERVATIONS/RECOMMENDATIONS OF JIT

1. National Horticulture Mission (NHM) has done a nice job by providing water ponds structures for successful establishment of orchards, but in the long run will starve of water to fill them up if no priority is given to orchards for assured water supply from canal. Accordingly, there is a need to supply water on priority basis.
2. Subsidy has been disbursed without any drawbacks. A part of subsidy should have been on cooperative marketing by self help groups.
3. More trainings are required for canopy management and training of saplings.
4. More effective care is required for [capacity building](#) through further training on

quality and marketing of [fruit and vegetables](#).
5. Grading and waxing centre need further gear up for accommodating incoming

crop very soon to avoid glut and distress sale.
6. [Extension agencies](#) should be in contact with the end users for [public private partnership](#).
7. Post harvest and value addition will be required by farmers. Extension agencies

should gear up for this by establishing the small scale units at farmers field.
8. Minimum support price for perishable horticulture crops be assured by

Government to safeguard farmer's interest.
9. The work done by the Haryana State Agriculture Marketing Board is very good provided the infrastructure developed by them is utilized in right perspective. The farmers of the area may be allotted shops for marketing their products. If leased, then local vegetable and fruit growers should be involved. Also, for capacity building they may be trained in marketing traits. Involvement of farmers in Ripening chambers developed by the Marketing Board will prove worth in avoiding contamination of poisonous chemicals and will be useful for

consumers as well. The lessee of such chamber should be trained in using ripening hormones. Farmers should be encourage for bringing their produce in markets by providing more facilities.

10. The centre of excellence, Gharonda is doing very good work on protected cultivation of vegetables. The farmers of area will learn good technique. They may be trained in raising their nursery. Training should be organized by Department of Horticulture, Haryana. Seed production program may be taken up for farmers of the area. Such programme should be continued even after NHM is over.
11. The work on Disease forecasting unit and Bio control lab has not been started till August, 2010 and progress in case of Model Nursery is very slow. These need to be taken up immediately
12. The Horticulture Training Institute, Karnal is imparting very useful training to farmers. Women are being imparted training on preservation of horticulture and value addition good training facilities are available for farmers and includes a very good library and experienced trainers. The work will go a long way in capacity building of farmers. More training is required for plant protection, canopy management and greenhouse use.

It has been observed that banners/display boards of NHM programmes (without logo) have been displayed at few locations only. There is a need to display the NHM logo along with display boards with the information on crop details and area, whenever the NHM activities have been taken up.

FLAGSHIP PROGRAMME													
National Horticulture Mission (NHM)													
	Item / Indicators / Programme				Unit	2007-08		2008-09		2009-10		2010-11	
											(As on 30.09.2010)		
						Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
1	Area Expension under:-												
	i.	Fruits (Hect.)			Hect.	3555	3840	6531	4969.39	5067	3099.01	4572	1190.5
	ii.	Spices (Hect.)			Hect.	2403	2318	3350	5199.80	357	182	2620	-
	iii.	Flowers (Hect.)			Hect.	1858.05	1873.90	1615	1909	2335	1404.50	999	280.6
	Iv	Medical Plants (Hect.)			Hect.	91	40.70	173	188.60	-	-	-	-
2	Creation of Water-resources (No.)												
		(Community Tanks, Ponds etc.)			No.	260	371	85	652	310	575	301	88
3		Mushroom Production (No. Trays)											
4	Organic Farming												
	i.	Adoption of Organic Farming (Hect.)			Hect.	358	870	3191	3181	7000	7000	-	-

