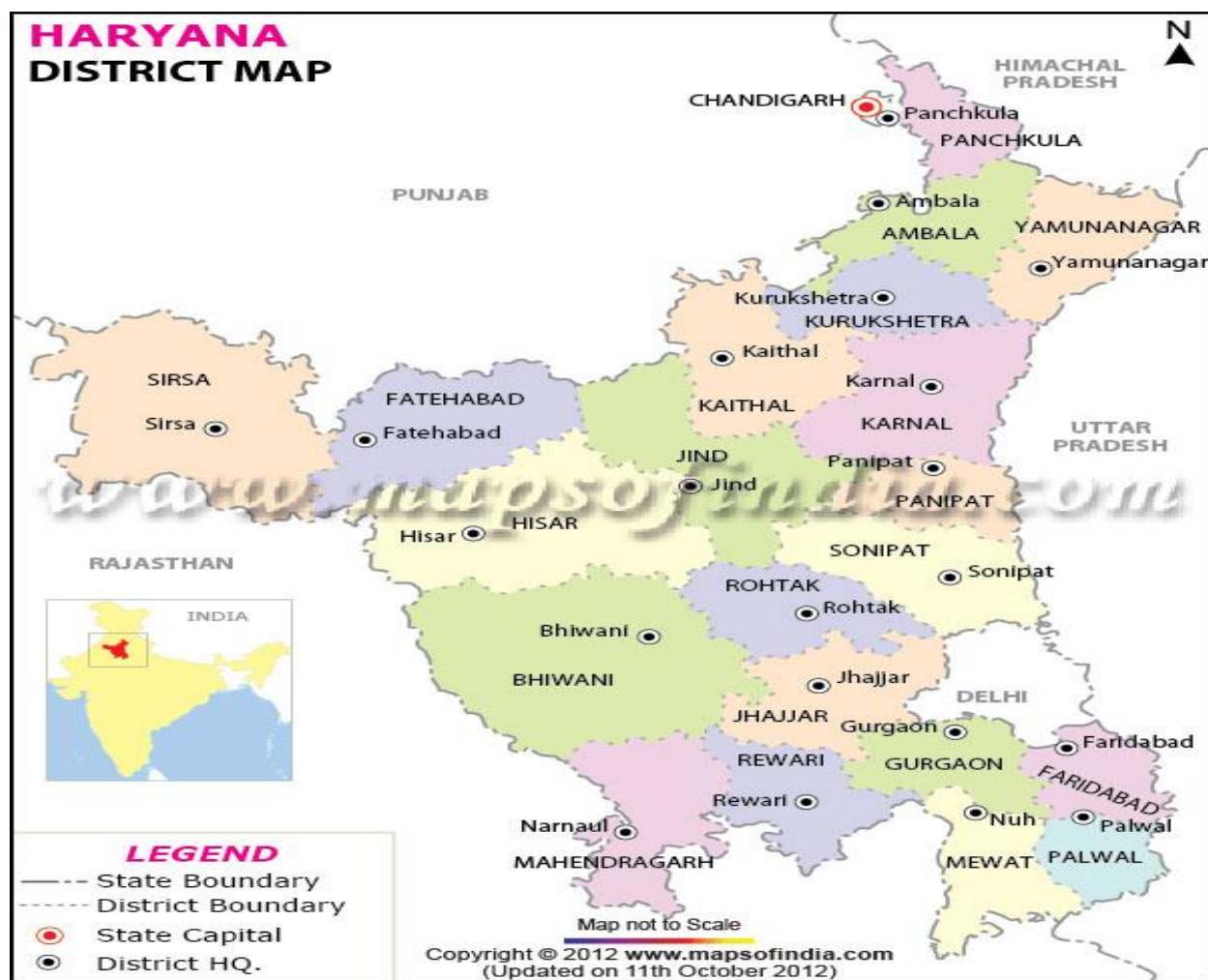


Joint Inspection Team (JIT) Report of National Horticulture Mission Scheme in Haryana State

STATE: HARYANA



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Team Members

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3. Representative, SHM, Haryana.

Date

03.03.2014 to 06.03.2014

General observations:

1. In Insect Net House (INH), overall stand of capsicum crop was poor. It was due to excess of water which entered from the roof because of frequent rains during December, 2013 to February, 2014. This point needs to be discussed and as a remedial measure, the Dome shaped roof may be given instead of flat in areas having problem of water logging and high rainfall. INH is effective in keeping 5-6°C temperature difference during both the extremes of winter and summer i.e. keeping up during winter and low during summer. Therefore, it is very good for taking capsicum, brinjal, chillies etc. during the months of May, June & July.
2. In case of use of power tiller, the farmer is not happy with the implement because he is raising vegetable nursery (Tomato, Chillies etc.) on small beds (length 5-6 m only) and its operation on small beds requires frequent turning of the tiller and for that one side of the tiller is to be lifted up manually. As a result, there is lot of stress on stomach and shoulders. This needs to be kept in view while sanctioning power tillers.
3. In case of Guava Rejuvenation the farmer tried different heights for heading back. It is observed that 4-5 feet height with primary branches is the best. JIT suggested to go for proper thinning of sprouts followed by pinching of sprouts so as to get well placed strong branches.
4. The use of bamboo tree guard for protection of Sapota plants has proved to be very useful in Kalesar area of Yamunanagar district this has resulted in 100% survival of plants. The cost of this type of guard comes out to be nearly Rs.100/- per plant.
5. The farmers explained regarding problem being faced in marketing of turmeric. It was told that digging of turmeric and sending to market costs about Rs.10/- per kg but the market rate is only Rs.8/- per kg. This needs to be looked into.
6. In the Village Choti Kohri in district Ambala a group of farmers is managing seven acres under protected cultivation which gives a look of significant development in the field of horticulture.
7. The Surya variety of potato is not suitable for Naraingarh (Ambala) area. Kufri Pukhraj variety should be given for the purpose of seed production.

State: Haryana

Introduction

Area, Production and Productivity of Horticulture Crops

Area in ha.
Prod. In MT
Productivity in MT/ha.

SR. No.	Crop	2005-06			2011-12		
		Area	Prod.	Productivity	Area	Prod.	Productivity
1	Fruit	27103	236200	10.59	47036	476570	10.13
2	Vegetable	232660	2984800	12.83	356769	5068426	14.20
3	Spices	10194	44436	4.36	18092	93585	5.17
4	Medicinal & Aromatic Plant	1828.5	298	0.16	1731	11331	6.59
5	Mushroom	1228760 (Tray)	6044	4.92 (Kg./Tray)	1419455 (Tray)	7733	5.44 (Kg./Tray)
6	Flower	5418.4	26231	4.84	6340	64150	10.11

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	2425(normal spacing)	334.94	3088.30	475.45
	547 (high density)	111.59	88.40	18.68
2011-12	4413(normal spacing)	641.65	1873.77	316.90
	161(high density)	32.84	122.70	29.42

Production of Planting Material – Crop wise (2011-12)

SN	Crop	No. of produced plants (Grafted)
1	Mango	33952
2	Guava	51656
3	Citrus	26054
4	Litchi	3980
5	Sapota	32251
6	Aonla	9800
7	Ber	15350
8	Peach, pear & plum	7646
9	Others	150
	Total	180839

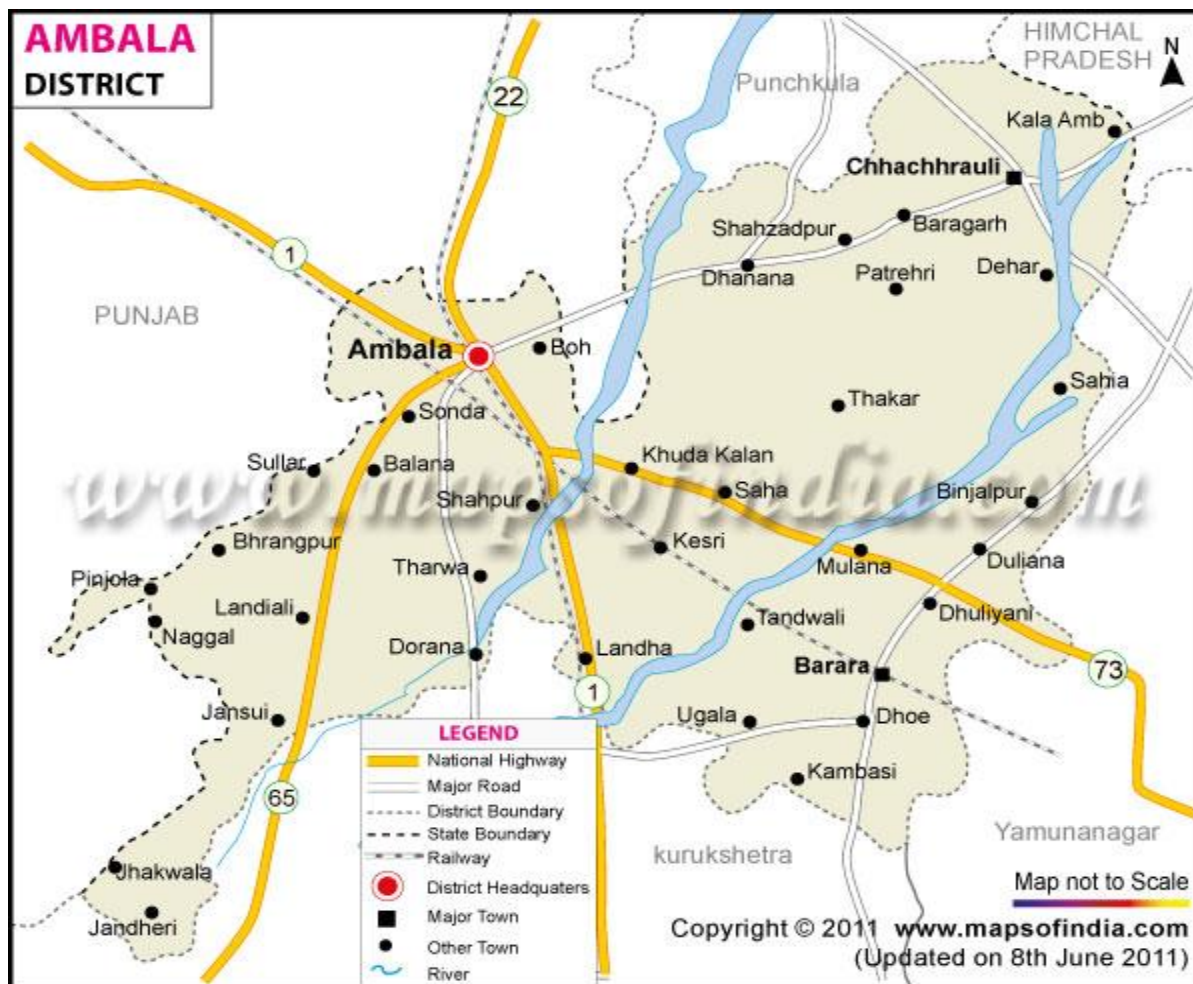
The National Horticulture mission (NHM) is being implemented in the State since 2005-06 for holistic development of horticulture sector, duly ensuring horizontal and vertical linkages, with the active participation of all the stakeholders. The thrust of the mission is on area based regionally differentiated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

District: Ambala



District Profile Data 2012-13

No. Of Villages	495
No. Of Panchayat	430
Block	6
Total Population	1013660
Male	542366
Female	471294
Density of Population	644 per Sq. KM.
Sex Ratio	869
Literacy Rate	68%
Total Area (Hect.)	150337
Total Cultivable Area	134212

Total Cultivated Area	118215		
Gross Cropped Area	202347		
Net Irrigated Area	106153		
Pump Set (Diesel)	4080		
Pump Set (Electric)	14281		
Tractor	9193		
Rotavators	482		
Potato Diggers	110		
Potato Planter	115		
Average Fertilizer Consumption (KG/Hect.)	N	P	K
Consumption Rate	218	62	5
Present Ratio	44	12	1
Balanced Ratio	4	2	1
Soil PH	8.5-9.5		
Annual Rainfall	1100 mm		
Rabi Crop	Wheat, Mustard, Toria, Sunflower		
Khariff Crop	Paddy, Sugarcane, Maize		
Vegetable Crop	Potato, Carrot, Onion, Cauliflower, Cabbage, Chillis, Tomato, Cucurbits.		
Fruit Crop	Mango, Sapota, Peach, Guava		
Vegetable Area	24062		
Vegetable Production	337780		
Fruit Area	2070		
Fruit Production	24920		
Spices Area	1052		
Spices Production	4416		
Flower Area	18		
Flower Production	210		
Polyhouse/Shed Net House	22		

Field Visit
Beneficiary No.1
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sh Vikram garg S/o Sh Kulwant Rai Garg, Vill- Shekhmajra
2	Total land available with the beneficiary (ha).	
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3740000
7.	Agency involved in fabrication and installation	M/s Phuar Agrotech Ltd
8.	Total subsidy paid and date of payment.	2431000, 19.09.12
9.	Crop being grown	Capsicum
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Observations:

Group of four farmers are having three poly houses of 4000 sq. m. each under Capsicum and one poly house of 4000 sq. m. under Tomato. Maintenance is very good inspite of sodic soils. JIT suggested to get the soil and water analyzed so as to go for amendment.

Beneficiary No.2
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sh Kabir Rai S/o Sh Vikram Garg, Vill- Shekhmajra

2	Total land available with the beneficiary (ha).	
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3740000
7.	Agency involved in fabrication and installation	M/s Phuar Agrotech Ltd
8.	Total subsidy paid and date of payment.	2431000, 11.10.2012
9.	Crop being grown	Tomato regular
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Beneficiary No.3
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Smt Anna Bansal D/o Narender Bansal, Vill-Shekhmajra
2	Total land available with the beneficiary (ha).	
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3740000
7.	Agency involved in fabrication and installation	M/s Phuar Agrotech Ltd
8.	Total subsidy paid and date of payment.	2431000, 04.01.2013
9.	Crop being grown	Capsicum
10.	Condition of Structure	Good

11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14.	Any other relevant observation by JIT.	

Beneficiary No.4
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sh Rajat Garg S/o Sh Ram Parkash , Vill- Shekhmajra
2	Total land available with the beneficiary (ha).	
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3740000
7.	Agency involved in fabrication and installation	M/s Phuar Agrotech Ltd
8.	Total subsidy paid and date of payment.	2431000, 26.03.2013
9.	Crop being grown	Capsicum
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14.	Any other relevant observation by JIT.	

Beneficiary No.5
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Sh Lal Chand S/o Sh Mukh Ram Vill- Pullewala
2	Total land available with the beneficiary (ha).	
3	Type of MI system availed Drip/ Sprinkler	Drip

4	Crop(s) covered	Vegetable
5.	Total area covered (ha)	0.4
6	Crop Spacing (for drip)	60 cm
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Netafim Irrigation India Pvt Ltd
9	Total subsidy paid & date of payment	459360, 31.01.2014
10	Mode of payment	Through cheque
11	Status of crop	Good
12	General upkeep (Very good/ Good/ Average/ Poor)	Good
13.	Any other relevant observation by JIT.	

Beneficiary No.6
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sh Lal Chand S/o Sh Mukh Ram , Vill- Pullewala, Teh –Naraingargh
2	Total land available with the beneficiary (ha).	3 acre
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3580000
7.	Agency involved in fabrication and installation	Swastika Agro Solution Co.
8.	Total subsidy paid and date of payment.	2327000,25.3.2013,28.06.13
9.	Crop being grown	Cucumber
10.	Condition of Structure	In working

11.	Condition of Crop	Good
12.	Tie up with market	Local
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Observations:

The farmer is having poly house of 4000 sq. m. and taking very good yield and quality of cucumber as well as high market rate (Rs.25/- kg). Problem of downy mildew and stem rot in cucumber was observed..

Beneficiary No.7

Post Harvest Management

Pack House/Cold Storage/Ref Van/ Primary processing

Sr. No.	Details	Remarks
1	Name of the project	Pack House
2	Year of Implementation	2013-14
4	Name of Beneficiary	Mrs Nishima Jain W/o Harsh Jain, Vill- Choti Kori
3	Project Period	
5	Location of Project	Corner of field
6	Total Project Cost	300000
7	Amount Released & date	150000/26.02.2014
8	Expenditure incurred	
9	Status	
	Capacity of unit	
	Commodity	Onion
	Equipments purchased	Weight machine, bench, plastic crates
	Condition of infrastructure	Good
	Whether NHM logo displayed	
	Whether funds disbursed to agency	No

Observations:

Potato planter, Potato digger, Pack-house, Shade net house, Insect net house: The area covered under protected cultivation is 7 acres. It is very well laid out, very well managed giving look of significant development in horticulture. Plant of papaya (Red

Lady) bearing large number of medium sized fruits. The problem explained was of excess rains entering INH and damaging the crop.

Beneficiary No.8
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sh Jai Chand Saini S/o Sh Om Parkash , Vill- Ahmadpur , Teh – Naraingargh
2	Total land available with the beneficiary (ha).	11 acre 6 marla
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3580000
7.	Agency involved in fabrication and installation	Kissan Mitra Agrotech
8.	Total subsidy paid and date of payment.	2327000,23.01.2013,29.08.2013
9.	Crop being grown	Cucumber
10.	Condition of Structure	In working
11.	Condition of Crop	Good
12.	Tie up with market	Local
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Beneficiary No.9
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Sh Jai Chand Saini S/o Sh Om Parkash Vill- Ahmadpur, Block- Naraingarh
2	Total land available with the beneficiary (ha).	11 Kanal 6 marla
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Vegetable

5.	Total area covered (ha)	2.4
6	Crop Spacing (for drip)	60 cm
7	Year of establishment	2012-13
8	Name of Manufacturer/ Supplier	Netafim Irrigation India Pvt Ltd
9	Total subsidy paid & date of payment	237846, 3.06.2013
10	Mode of payment	Through cheque
11	Status of crop	Good
12	General upkeep (Very good/ Good/ Average/ Poor)	Good
13.	Any other relevant observation by JIT.	

Beneficiary No.10
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sh Pawan Kumar S/o Krishan Lal, Vill- Chudiala
2	Total land available with the beneficiary (ha).	-
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3740000
7.	Agency involved in fabrication and installation	Jeet Water Bank Pvt Ltd
8.	Total subsidy paid and date of payment.	2327000, 28.11.2013,
9.	Crop being grown	Cucumber
10.	Condition of Structure	In working
11.	Condition of Crop	Good
12.	Tie up with market	Local
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Observations:

Cucumber plantation which was followed by Lilium in a poly house of 4000 sq. m. Problem explained and observed was of stem rot in cucumber, sample was taken by JIT, put for isolation and identified the fungus, accordingly informed the farmer

regarding control measures, namely use of bavistin, secondly by keeping low moisture content in the soil because the drip system meant for liliun was being used as such which has created excess of moisture in soil.

Beneficiary No.11
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Sh Ramkaran S/o Sh Narata Ram, Vill- Barouli, Block Naraigarh
2	Total land available with the beneficiary (ha).	5 acres
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Vegetable
5.	Total area covered (ha)	0.75
6	Crop Spacing (for drip)	60 cm
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Jain Irrigation System
9	Total subsidy paid & date of payment	64850, 12.02.2014
10	Mode of payment	Through cheque
11	Status of crop	Good
12	General upkeep (Very good/ Good/ Average/ Poor)	Good
13.	Any other relevant observation by JIT.	

Observations:

Seed production of carrot - 2 acres with drip system, however, due to frequent rains, only one irrigation through drip system was applied since Dec. 15, 2013. Problem explained regarding turmeric and it was told that digging of turmeric and sending to market costs Rs.10/- kg but the market rate is only Rs.8/- kg. Secondly he tried the sprays of 10% urea in guava so as to make flowers to drop for avoiding rainy season crop for as to get good crop in winter but with this practice, he could not get the desired results.

Ambala District Photographs



District: Panchkula



District Profile Data 2013-14, District – Panchkula

No. Of Villages	264
No. Of Panchayat	162
Block	4
Total Population	1013660
Male	558890
Female	298919
Density of Population	523 per Sq. KM.
Sex Ratio	823
Literacy Rate	66%
Total Area (Hect.)	54481
Total Cultivable Area	33793

Total Cultivated Area	30098		
Gross Cropped Area			
Net Irrigated Area	15201		
Pump Set (Diesel)	2550		
Pump Set (Electric)	1560		
Tractor	8450		
Rotavators	350		
Potato Diggers	60		
Potato Planter	60		
Average Fertilizer Consumption (KG/Hect.)	N	P	K
Consumption Rate	218	62	5
Present Ratio	44	12	1
Balanced Ratio	4	2	1
Soil PH	7.5-8.5		
Annual Rainfall	1150 mm		
Rabi Crop	Wheat, Mustard, Toria, Sunflower		
Khariff Crop	Paddy, Sugarcane, Maize		
Vegetable Crop	Potato, Carrot, Onion, Cauliflower, Cabbage, Chillis, Tomato, Cucurbits.		
Fruit Crop	Mango, Sapota, Peach, Guava, Litchi, Pear		
Vegetable Area	8950		
Vegetable Production	185260		
Fruit Area			
Fruit Production	15600		
Spices Area	180		
Spices Production	5400		
Flower Area	39		
Flower Production	485		
Polyhouse/Shed Net House	73		

Field Visit
Beneficiary No.1
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Braham Parkash s/o Ramdhari, Village Nanak Pur, Block Pinjore
2	Total land available with the beneficiary (ha).	1.6

3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	INH
4.	Year of establishment	2013-14
5.	Size of Structure (Sq. m)	3956
6.	Total cost	2373600
7.	Agency involved in fabrication and installation	M/s Classic Agricon
8.	Total subsidy paid and date of payment.	1542840, 29-4-2013, 22-8-2013
9.	Crop being grown	Tometo, 207690/-
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Observation:

Insect Net House of 3956 sq. m.: Problem is same as explained above.

Beneficiary No.2
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Diwan Chand s/o Ishwar Dass, Village Nanak Pur, Block Pinjore
2	Total land available with the beneficiary (ha).	0.4

3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	INH
4.	Year of establishment	2013-14
5.	Size of Structure (Sq. m)	4000
6.	Total cost	2100000
7.	Agency involved in fabrication and installation	M/s Classic Agricon
8.	Total subsidy paid and date of payment.	1365000, 22-8-2013
9.	Crop being grown	Capsicum, 210000/-
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Observation:

Insect Net House of 4000 sq. m.: Overall stand of capsicum crop was poor and it was due to excess water entered from the roof because of frequent rains during Dec, 2013 to Feb, 2014. This point should be discussed and as a remedial measure, the dome shaped roof may be given instead of flat in the areas with problem of water logging with high rainfall. INH is effective in keeping 5-6°C difference during both the extremes of winter and summer i.e. keeping up during winter and low during summer. Therefore, it is very good for taking capsicum, brinjal, chillies etc. during the months of May, June & July.

Beneficiary No.3 Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Karan Gawri s/o Kranti Gawri, Village Kanoli, Block Barwala
2	Total land available with the beneficiary	1.2

	(ha).	
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	INH
4.	Year of establishment	2013-14
5.	Size of Structure (Sq. m)	3956
6.	Total cost	2076900
7.	Agency involved in fabrication and installation	M/s Desson Agritech
8.	Total subsidy paid and date of payment.	337496/-
9.	Crop being grown	Cucumber
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Beneficiary No.4
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Karan Gawri s/o Kranti Gawri, Village Kanoli, Block Barwala
2	Total land available with the beneficiary (ha).	1.2
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2013-14

5.	Size of Structure (Sq. m)	3360
6.	Total cost	3141600
7.	Agency involved in fabrication and installation	M/s Desson Agritech
8.	Total subsidy paid and date of payment.	2042040/-
9.	Crop being grown	Cucumber, 176400/-
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14	Any other relevant observation by JIT.	

Observation:

Pack House, wherein, the operation of grading and packaging of cucumber was going on. The farmer is having 3360 sq. m. poly house and 3956 sq. m. Insect Net house and has keen interest in protected cultivation.

Beneficiary No.5
Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Ravi Lakhan Pal s/o PC Sharma, Village Vasudev Pura, Block Pinjore
2	Total land available with the beneficiary (ha).	1.6
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	NVPH
4.	Year of establishment	2013-14

5.	Size of Structure (Sq. m)	1800
6.	Total cost	1611000/-
7.	Agency involved in fabrication and installation	M/s Swastik Agri Solution
8.	Total subsidy paid and date of payment.	1047150/-, 20-3-2013, 31-5-2013
9.	Crop being grown	Gerbera, 345600/-
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Good
14.	Any other relevant observation by JIT.	

Observation

Gerbera crop of different colours i.e. Red, Yellow, Pink and White are standing in good condition in Naturally ventilated polyhouse.

Beneficiary No.6 Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Braham Parkash s/o Ramdhari, Village Nanakpur, Block Pinjore
2	Total land available with the beneficiary (ha).	1.6
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Tomato
5.	Total area covered (ha)	3956
6	Crop Spacing (for drip)	BXB-2 mtr, LXL-30 cm , PXP-40cm
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Netafim Irrigation India Pvt Ltd
9	Total subsidy paid & date of payment	739269, 25-11-2013

10	Mode of payment	Through cheque
11	Status of crop	Good
12	General upkeep (Very good/ Good/ Average/ Poor)	Good
13.	Any other relevant observation by JIT.	

Beneficiary No.7
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Diwan Chand s/o Ishwar Dass, Village Nanakpur, Block Pinjore
2	Total land available with the beneficiary (ha).	0.4
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Capsicum
5.	Total area covered (ha)	4000
6	Crop Spacing (for drip)	BXB-2 mtr, LXL-30 cm , PXP-40cm
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Netafim Irrigation India Pvt Ltd
9	Total subsidy paid & date of payment	739269, 25-11-2013
10	Mode of payment	Through cheque
11	Status of crop	Good
12	General upkeep (Very good/ Good/ Average/ Poor)	Good
13.	Any other relevant observation by JIT.	

Beneficiary No.8
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Karan Gawri s/o Kranti Gawri, Village Kanoli, Block Barwala
2	Total land available with the beneficiary (ha).	1.2

3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Cucumber
5.	Total area covered (ha)	3956
6	Crop Spacing (for drip)	BXB-2 mtr, LXL-30 cm , PXP-40cm
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Netafim Irrigation India Pvt Ltd
9	Total subsidy paid & date of payment	Not Yet
10	Mode of payment	
11	Status of crop	
12	General upkeep (Very good/ Good/ Average/ Poor)	
13.	Any other relevant observation by JIT.	

Beneficiary No.9
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Karan Gawri s/o Kranti Gawri, Village Kanoli, Block Barwala
2	Total land available with the beneficiary (ha).	1.2
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Cucumber
5.	Total area covered (ha)	3360
6	Crop Spacing (for drip)	BXB-2 mtr, LXL-30 cm , PXP-40cm
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Netafim Irrigation India Pvt Ltd
9	Total subsidy paid & date of payment	384176/-
10	Mode of payment	Through cheque
11	Status of crop	
12	General upkeep (Very good/ Good/ Average/ Poor)	
13.	Any other relevant observation by JIT.	

Beneficiary No.10
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Ravi Lakhan Pal s/o PC Sharma, Village Vasudev Pura, Block Pinjore
2	Total land available with the beneficiary (ha).	1.6
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Gerbera
5.	Total area covered (ha)	1800
6	Crop Spacing (for drip)	
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Harvel
9	Total subsidy paid & date of payment	170744/-, 31-12-2013
10	Mode of payment	Through cheque
11	Status of crop	good
12	General upkeep (Very good/ Good/ Average/ Poor)	
13.	Any other relevant observation by JIT.	

Beneficiary No.11
Post Harvest Management
Pack House/Cold Storage/Ref Van/ Primary processing

Sr. No.	Details	Remarks
1	Name of the project	Pack House
2	Year of Implementation	2013-14
3	Project Period	2013-14
4	Name of Beneficiary	Karan Gawri s/o Kranti Gawri, Village Kanoli
5	Location of Project	Village Kanoli
6	Total Project Cost	300000
7	Amount Released & date	Not Yet
8	Expenditure incurred	
9	Status	

	Capacity of unit	
	Commodity	
	Equipments purchased	Weight machine, Cater, Taber etc.
	Condition of infrastructure	
	Whether NHM logo displayed	
	Whether funds disbursed to agency	

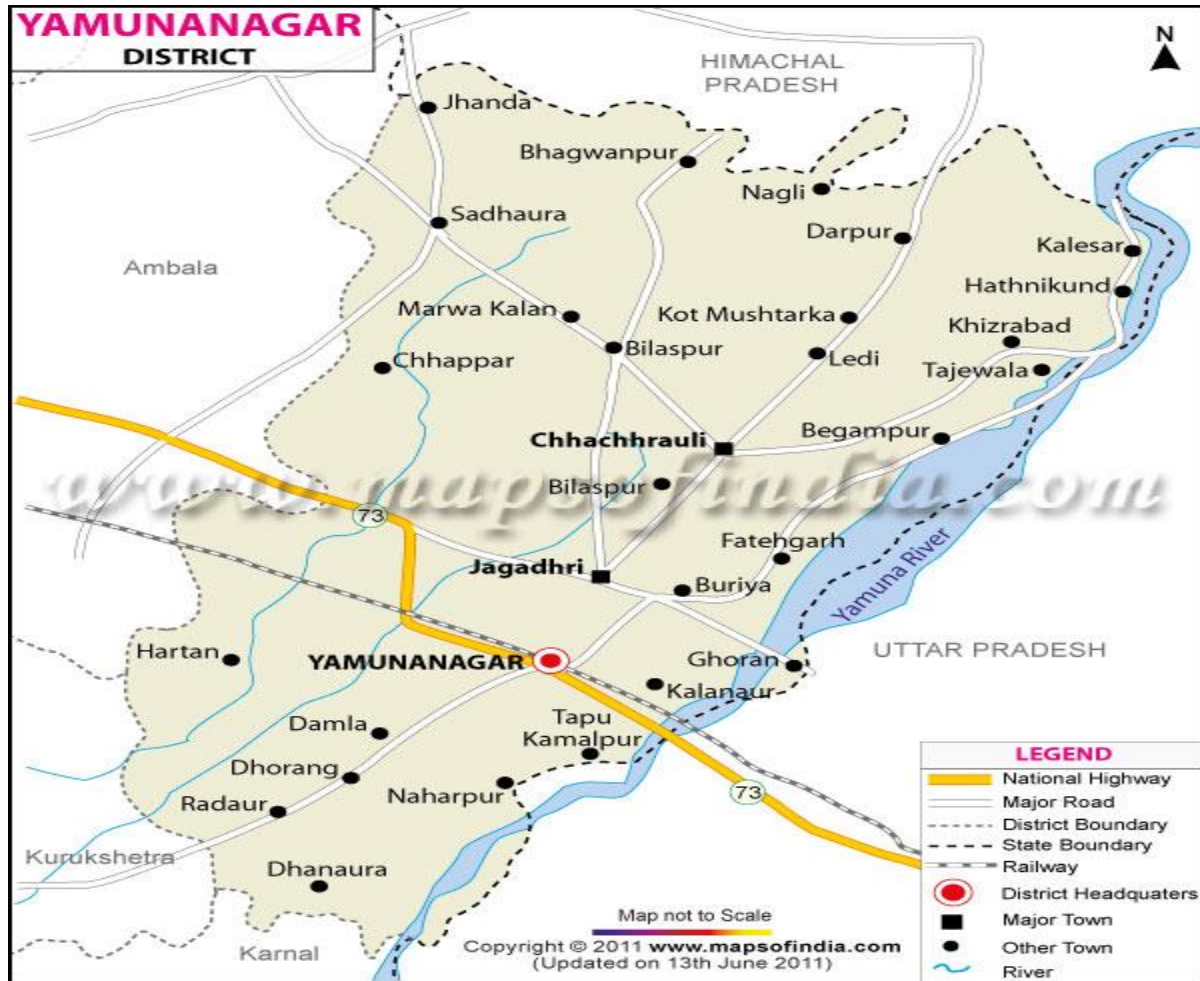
Beneficiary No.12
Water Resources Development

Sr. No.	Details	Remarks
1	Name of the project	Ashok Handa & Others
2	Year of Implementation	2013-14
3	Project Period	2013-14
4	Name of Implementing Agency	Self
5	Location of Project	Village Kanoli
6	Total Project Cost	59000
7	Amount Released & date	Not Yet
8	Expenditure incurred status	
9	Current Status of project	
	Dimension (LXBW)	61.9X41.8X8.2
	Capacity	601481 ltr.
	Command Area	1.6 ha.
	Whether linked with new plantation or old plantation	yes
	Whether funds disbursed	Not

Panchkula District Photographs



District: Yamuna Nagar



District Profile for the year 2012-13

1.	Total Geographical Area(ha)	172436 ha.
2.	Cultivable Area	126008 ha.
3.	Cultivated Area	121200 ha.
4.	Cropped Area	193511 ha.
5.	Net Irrigated Area	107306 ha.
6.	Gross Irrigated area	182623 ha.
7.	Shallow Tubewells D.I.	8624)26350)
	E.E	17726)

8.	Tractor Below 20 HP	489)
	20-35 HP	5462)11617
	Above 35 HP	5666)
9.	Area under fruits in Distt. Yamuna	7398 ha 644141 M.T. Prod.
10	Area under Vegetables	32363 ha 430040 M.T. Prod.
11.	Area under Spices	2345 ha 25700 M.T.
12.	Area under Flower	115 ha 1142 Ton
13.	No.of trays under Mushroom	181000
14.	Estimated Production in Distt.	1150 ton

Fruits & Vegetables in the district:

(A) Fruit:-	Area (Ha)
Mango	5529
Guava	576.6
Aonla	76
Spota	539
Litchi	139
Peach	-
Plum	274
Pear	-
Others	149
Citrus	28
Total	7398

(B) Vegetables	Area (Ha)
Potato	5300
Onion	2450
Tomato	4297
Radish	2763
Carrot	400
Cabbage	7135
Cauliflower	2770
chillies	897
Bhindi	1482
Brinjal	835
Arbi	35
Peas	537
Leafy veg.	3227
Cucurbits	5100
others	1515
Total	38743

Field Visit
Beneficiary No.1
Emplements

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Jasmer Singh S/o Chamela Ram, Sadhaura
2	Name of Emplements	Power weder
3	Total land available with the beneficiary (ha).	2 Ha.

4	Crop Cluster under which covered.	Vegetable
5	Total amount of Emplements	95000
6	Total amount of subsidy assistance due to the beneficiary as (Rs.)	45000
7	Amount paid and date of payment.	45000
8	Mode of payment and Date	R.T.G.S. 16-1-2014
9	Name of Supplier/Manufacturer	Bansal Enterprises, Sirsa
10	General upkeep of the plot; Very good/ Good / Average/ Poor.	Good
11	Any other relevant observation by the JIT.	

Observation:

Power line / power weeder / power tiller. The farmer is not happy with the implement because he is raising vegetable nursery (tomato, chillies etc.) on small beds (length wise 5-6 m) and its operation on small beds requires frequent turning of the tiller and for that the one side of the tiller is to be lifted up manually as a result there is lot of stress on stomach and shoulders.

Beneficiary No.2

Post Harvest Management

Pack House/Cold Storage/Ref Van/ Primary processing

Sr. No.	Details	Remarks
1	Name of the project	Pack-House
2	Year of Implementation	2012-13
3	Project Period	Three Months
4	Name of Beneficiary	Rajinder Kumar
5	Location of Project	Sadhaura
6	Total Project Cost	300000
7	Amount Released & date	150000 /28-03-2013
8	Expenditure incurred	310000
9	Status	
	Capacity of unit	
	Commodity	
	Equipments purchased	Plastic Crates,Kanta, Washer
	Condition of infrastructure	Good
	Whether NHM logo displayed	Displayed
	Whether funds disbursed to agency	

Observation:

NVP having cucumber crop: NVP having Rose (Top Secrete & Samuri taken from Pune). Rose planted 1½ years back and it will give flowers for the next 2-3 years.

Beneficiary No.3**Micro Irrigation**

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Beemsain & Sushil Kumar S/o Deena Nath, VPO-Salempur
2	Total land available with the beneficiary (ha).	6 Hac.
3	Type of MI system availed Drip/ Sprinkler	Mini Sprinkler
4	Crop(s) covered	Onion, Tomato, Chille
5.	Total area covered (ha)	3.9 Hac.
6	Crop Spacing (for drip)	-
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Harbal Aqua Azud
9	Total subsidy paid & date of payment	205412 / 20-12-2013
10	Mode of payment	R.T.G.S.
11	Status of crop	Onion
12	General upkeep (Very good/ Good/ Average/ Poor)	Very good
13.	Any other relevant observation by JIT.	

Beneficiary No.4**Post Harvest Management****Pack House/Cold Storage/Ref Van/ Primary processing**

Sr. No.	Details	Remarks
1	Name of the project	Pack-House
2	Year of Implementation	2012-13
3	Project Period	Three Months
4	Name of Beneficiary	Sushil Kumar
5	Location of Project	Salempur(Sadhaura)
6	Total Project Cost	300000
7	Amount Released & date	150000 28-03-2013
8	Expenditure incurred	306000
9	Status	
	Capacity of unit	32x18 feet
	Commodity	

	Equipments purchased	Plastic Crates, Kanta, Washer
	Condition of infrastructure	Good
	Whether NHM logo displayed	Displayed
	Whether funds disbursed to agency	

Observation:

Pack house, mini sprinkler for 4 ha (potato, onion): Farmers were happy with the significant effect of mini sprinkler on yield and quality of the crop.

Beneficiary No.5

Implements

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Akthar Ali S/o Mehardeen Fajilpur(Sadhaura)
2	Name of Implements	Rutavator
3	Total land available with the beneficiary (ha).	4 Ha.
4	Crop Cluster under which covered.	Vegetable
5	Total amount of Implements	94000
6	Total amount of subsidy assistance due to the beneficiary as (Rs.)	40000
7	Amount paid and date of payment.	40000
8	Mode of payment and Date	R.T.G.S. 27-12-2013
9	Name of Supplier/Manufacturer	Bansal Enterprises, Sirsa
10	General upkeep of the plot; Very good/ Good / Average/ Poor.	Good
11	Any other relevant observation by the JIT.	

Observation:

The owner as well as the neighbouring farmers were satisfied with the working of the Rotavator. However, farmers are demanding that the subsidy portion of the implement should not be paid by the farmer initially. DHO explained the reason and convinced the farmers.

Beneficiary No.6

Protected Cultivation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Satvinder S/o Hukmam Singh, Vill. Rattuwala, Block-Sadhaura
2	Total land available with the beneficiary (ha).	2 ha.
3	Type of Protected cultivation activity (Hi-tech / Normal GH, Shade net, Plastic tunnel)	Natural Ventinated
4.	Year of establishment	2012-13
5.	Size of Structure (Sq. m)	4000
6.	Total cost	3580000
7.	Agency involved in fabrication and installation	Green Flora
8.	Total subsidy paid and date of payment.	
9.	Crop being grown	Cucumber(Kheera)
10.	Condition of Structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	Sector-26, Chandigarh
13.	General upkeep (Very good/ Good/ Average/ Poor)	Very Good
14	Any other relevant observation by JIT.	

Beneficiary No.7 Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Poonam Rani W/o Vimal Kumar, Vill. Safilpur(Sadhaura)
2	Total land available with the beneficiary (ha).	2.1 Hac.
3	Type of MI system availed Drip/ Sprinkler	Mini Sprinkler
4	Crop(s) covered	Onion, Tomato, Chille
5.	Total area covered (ha)	1.6 Hac.
6	Crop Spacing (for drip)	-
7	Year of establishment	2012-13

8	Name of Manufacturer/ Supplier	Harbal Aqua Azud
9	Total subsidy paid & date of payment	205412 / 20-12-2013
10	Mode of payment	R.T.G.S.
11	Status of crop	Onion
12	General upkeep (Very good/ Good/ Average/ Poor)	Very good
13.	Any other relevant observation by JIT.	

Beneficiary No.8
Implements

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Sushil Kumar S/o Jagir Singh VPO-Sahapur
2	Name of Emplement	Rutavator
3	Total land available with the beneficiary (ha).	3 Ha.
4	Crop Cluster under which covered.	Vegetable & Fruit
5	Total amount of Emplements	94000
6	Total amount of subsidy assistance due to the beneficiary as (Rs.)	40000
7	Amount paid and date of payment.	40000
8	Mode of payment and Date	R.T.G.S. 27-12-2013
9	Name of Supplier/Manufacturer	Bansal Enterprises, Sirsa
10	General upkeep of the plot; Very good/ Good / Average/ Poor.	Good
11	Any other relevant observation by the JIT.	

Observation:

Rotavator – reported good for pre-sowing cultivation

Beneficiary No.9
Emplements

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Hoshiyar Singh S/o Naib Singh, Vill. Bhatuwala

2	Name of Emplement	Tractor Mounted Spray Pump
3	Total land available with the beneficiary (ha).	2 Ha.
4	Crop Cluster under which covered.	Vegetable & Fruit
5	Total amount of Emplements	36000
6	Total amount of subsidy assistance due to the beneficiary as (Rs.)	17500
7	Amount paid and date of payment.	17500
8	Mode of payment and Date	R.T.G.S. 16-01-2014
9	Name of Supplier/Manufacturer	Bansal Enterprises, Sirsa
10	General upkeep of the plot; Very good/ Good / Average/ Poor.	Good
11	Any other relevant observation by the JIT.	

Observation:

Power sprayer-reported as very useful

Beneficiary No.10
Area Expansion / Rejuvenation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Jagir singh S/o Sh. Atma Ram, Vill.Dhanora, Block-Bilaspur
2	Total land available with the beneficiary (ha).	1 Ha.
3	Crop Cluster under which covered.	L-49, Allahabadi Safeda
4	Name & variety of crop planted.	Department Horticulture
5	Source of planting material.	-
6	Number of planting material.	-
7	Number of plants planted/ rejuvenated.	220
8	Date of plants which survived (also indicate percentage survival).	31/12/2013
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	15000
10	Amount paid and date of payment.	

11	Mode of payment.	R.T.G.S.
12	Source of Irrigation Water (Bore well/ Tube well/ Canel)	Tube well
13.	Whether Drip/ Sprinkle System in use.	
14.	Other inputs provided.	-
15.	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17.	Assistance available	-
18.	Available marketing facility for the crop.	-
19.	Other infrastructure available in the vicinity.	-
20.	General upkeep of the plot; Very good/ Good / Average/ Poor.	Good
21.	Any other relevant observation by the JIT.	

Observation:

Guava Rejuvenation -2½ acres: The farmer tried different heights for heading back. It is observed that 4-5 feet height with primary branches is the best. It was suggested to go for proper thinning of sprouts followed by pinching of sprouts so as to get well placed strong branches.

Beneficiary No.11
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Surinder Vasudeva S/o Madan Lal
2	Total land available with the beneficiary (ha).	6 Hac.
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Mango
5.	Total area covered (ha)	3.3 Hac.
6	Crop Spacing (for drip)	0.6x0.6
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Jain Irrigation System
9	Total subsidy paid & date of payment	23913 / 20-12-2013
10	Mode of payment	R.T.G.S.
11	Status of crop	Onion

12	General upkeep (Very good/ Good/ Average/ Poor)	Very good
13.	Any other relevant observation by JIT.	

Observation:

Four ha of mango plantation, drip irrigation, power sprayer: Plantation was damaged due to flooding. It was again planted by the farmer and now it is in good condition. The growth is satisfactory.

Beneficiary No.12
Area Expansion / Rejuvenation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Anu Verma D/o Sanjeev Verma VPO-Kalesar
2	Total land available with the beneficiary (ha).	2.4 Ha.
3	Crop Cluster under which covered.	Spota
4	Name & variety of crop planted.	Cricket Ball
5	Source of planting material.	Govt. Garden & Nursery Chhachhroli
6	Number of planting material.	-
7	Number of plants planted/ rejuvenated.	300
8	Date of plants which survived (also indicate percentage survival).	13/08/2013 100%
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	27300
10	Amount paid and date of payment.	24/09/2013
11	Mode of payment.	R.T.G.S.
12	Source of Irrigation Water (Bore well/ Tube well/ Canel)	Tube well
13.	Whether Drip/ Sprinkle System in use.	Drip System
14.	Other inputs provided.	-
15.	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17.	Assistance available	-
18.	Available marketing facility for the crop.	-
19.	Other infrastructure available in the	-

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

Observation:

Area expansion: 4 ha sapota plantation variety Cricket Ball, survival is almost 100% because of erecting bamboo made tree guard which saved the plants from wild animals. In Kalesar area, old mango trees were infested with gall formation, the sample was taken and checked in the University, it was observed that it is due to insects, accordingly the farmers will be informed for control measures.

Beneficiary No.13
Area Expansion / Rejuvenation

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose field visited.	Bindu Verma W/o Sanjeev Verma
2	Total land available with the beneficiary (ha).	1.6 Ha.
3	Crop Cluster under which covered.	Spota
4	Name & variety of crop planted.	Cricket Ball
5	Source of planting material.	Govt. Garden & Nursery Chhachhroli
6	Number of planting material.	-
7	Number of plants planted/ rejuvenated.	200
8	Date of plants which survived (also indicate percentage survival).	24/09/2013
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	18200 13/08/2009
10	Amount paid and date of payment.	
11	Mode of payment.	R.T.G.S.
12	Source of Irrigation Water (Bore well/ Tube well/ Canel)	Tube well
13.	Whether Drip/ Sprinkle System in use.	
14.	Other inputs provided.	-
15.	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17.	Assistance available	-
18.	Available marketing facility for the crop.	-

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

Beneficiary No.14
Micro Irrigation

Sr. No.	Details	Remarks
1	Name & address of beneficiary visited.	Anu Verma D/o Sanjeev Verma and Bindu Verma W/o Sanjeev Verma
2	Total land available with the beneficiary (ha).	5 Hac.
3	Type of MI system availed Drip/ Sprinkler	Drip
4	Crop(s) covered	Spota
5.	Total area covered (ha)	4 Hac.
6	Crop Spacing (for drip)	10 x10
7	Year of establishment	2013-14
8	Name of Manufacturer/ Supplier	Jain Irrigation System
9	Total subsidy paid & date of payment	201023 / 10-10-2013
10	Mode of payment	R.T.G.S.
11	Status of crop	Spota good condition
12	General upkeep (Very good/ Good/ Average/ Poor)	Very good
13.	Any other relevant observation by JIT.	

Yamuna Nagar District Photographs

