

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



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DATES OF VISIT: 1-08-2011 to 6-08-2011

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Karnataka State

Geography

Karnataka is located in the western half of the Deccan plateau. The State extends to about 750 km. from north to south and about 400 km. from east to west. It has four physiographic regions. Northern Karnataka Plateau (largely includes the Deccan Trap covering districts Bidar, Belgaum, Gulbarga and Bijapur with elevation ranging between 300 to 600 meters), Central Karnataka Plateau (covers districts Chitradurga, Raichur, Chikmagalur, Dharwad, Shimoga and Bellary i.e., Tungabadra region with an elevation between 450 to 700 meters), Southern Karnataka Plateau (includes districts Bangalore, Hassan, Kodagu, Bangalore Rural, Mandya, Mysore, Kolar and Tumkur with elevation of the region is estimated to be 600 to 900 meters) and Karnataka Coastal Region (Western Ghats, edges of the Karnataka Plateau, Uttara Kannada districts and Dakshina Kannada).

Geographical details:

- Area: 191,791 square kilometers,
- Gross Cropped area: 114,503 square kilometers,
- Net cropped area: 98,466 square kilometers,
- Irrigated area: 12,817 square kilometers,
- Area under horticulture: 19.00 lakh ha.
- Boundaries – Arabian sea to the West, Goa and Maharashtra in the North, Tamil Nadu and Kerala in the South and Andhra Pradesh to the East,
- Number of Districts – 30.

Climate

Karnataka State enjoys a salubrious climate throughout the year. Weather in the state is however dynamic and changes from place to place owing to its altitude, topography and its distance from the sea. It is influenced by four major seasons namely: winter season

(December to February), summer season (March to May), monsoon season (June to September), and post-monsoon season (October to November).

Rainfall

The southwest monsoon accounts for almost 80% of the rainfall the state receives. The annual rainfall across the state ranges from low 50 to 250 cm. The districts of Bijapur, Raichur, Bellary and Southern half of Gulbarga experience the lowest rainfall ranging from 50 to 60 cm. while the west coast region and Malnad enjoy the highest rainfall.

Soil and irrigation facility

The state has been divided into six types of soils namely: red, lateritic, black, alluvial, forest and coastal soils.

Karnataka accounts for about 6% of the country's surface water resources. Around 60% of this is provided by the west flowing rivers, while the remaining comes from the east flowing rivers. There are 7 river basins all formed by the Godavari, Cauvery, Krishna, west-flowing rivers, South Pennar, and Palar.

Horticulture in Karnataka

Karnataka is regarded as the “Cafeteria of Horticultural Crops” in view of its suitability for cultivation of various horticultural crops. The current area and production of horticulture crops is estimated to be around 18.9 lakh hectares and 148 lakh tons respectively, with an average productivity of about 7.8 tons per hectare. Though the horticulture sector in the state has witnessed a phenomenal growth in the last five decades, there are abundant opportunities for further growth, especially in areas like productivity improvement, quality enhancement, hi-tech horticulture, protected cultivation, precision farming, etc. Horticulture sector is an important source of livelihood for as many as 12 lakh farming households in the state.

Area and production of major horticultural crops in Karnataka

(fig. in '000 ha/ tons)

Year	Fruits		Vegetables		Spices		Plantation		Flowers		Aromatic	
	Area	Prodn	Area	Prodn	Area	Prodn	Area	Prodn	Area	Prodn	Area	Prodn
2004-05	230.8	3339.9	234.0	2466.3	216.3	458.5	759	495.0	16.9	138.7	1.2	4.8
2005-06	233.4	3515.6	267.4	4638.0	196.9	472.4	698	407.0	19.0	115.5	1.2	14.7
2006-07	252.2	3786.6	263.9	4719.2	210.5	461.2	724	450.0	21.4	182.2	0.8	8.3
2007-08	259.8	3975.9	271.8	4955.2	216.8	453.7	746	425.0	22.0	191.3	0.9	8.7
2008-09	289.5	4482.0	257.6	4098.1	207.3	517.0	721	412.0	27.0	199.8	1.7	15.0
2009-10	360.2	5962.7	436.9	7063.0	266.4	1097.1	805	442.0	26.83	195.5	1.5	16.17

Karnataka state has an equal distribution of key horticultural crops such as major Fruits and Vegetables (F&Vs) with the area under the crop ranging between 2.5 to 3.6 lakhs ha. The area under major spices is also significant at about 2.37 lakhs ha. followed by flowers and aromatic crops with about 0.24 and 0.13 lakh ha respectively. In terms of output, major F&Vs account about 48.25 and 56.19 lakh tons, respectively.

During the JIT visit five districts namely: Bagalkot, Bidar, Dharwad, Gulberga and Bijapur were visited by the team. The district-wise details , beneficiaries visited and observations made are given below separately for each district.

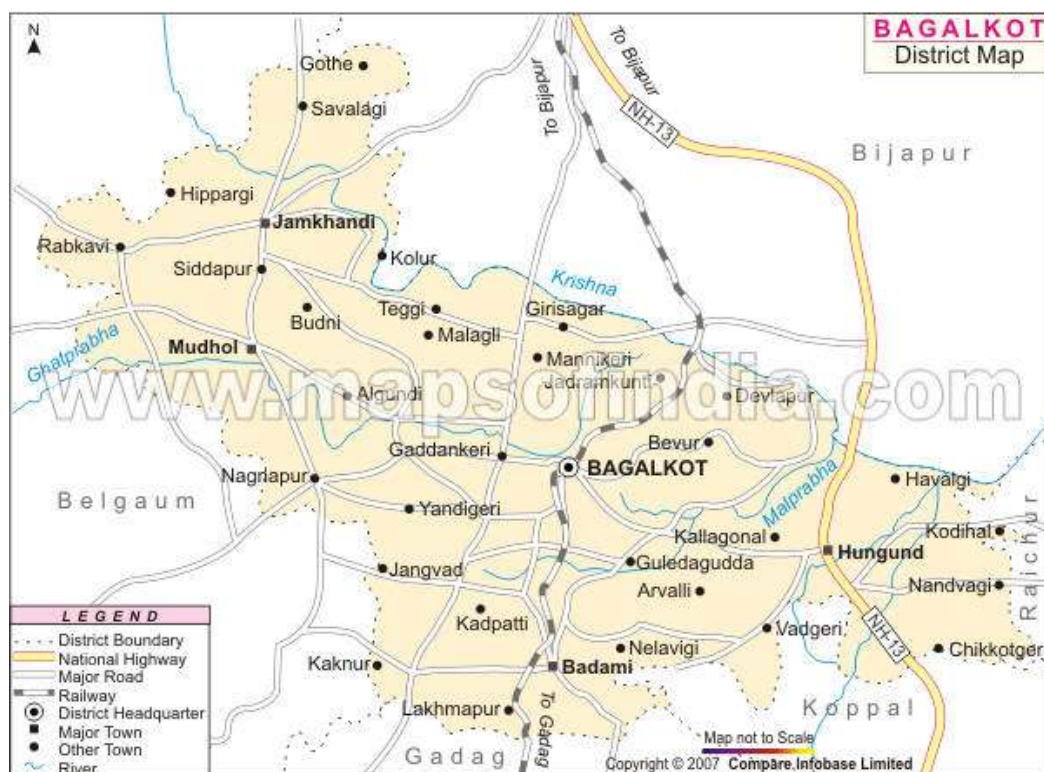
Crop- wise requirements and availability of planting material for the year 2011-12 under NHM in Karnataka

Sl. No.	Crops	Requirement for 2011-12		Availability (No. In lakhs)
		Physical (Ha.)	No. of plants(lakhs)	
1	Mango	4850	7.76	24.22
2	Grapes	750	22.50	41.25
3	Pomegranate	300	0.90	4.46
4	Sapota	1000	1.60	13.07
5	Citrus	500	1.50	11.39
6	Banana (TC)	1900	85.50	300.50
7	Papaya	200	6.00	37.05
8	Cocoa	800	3.12	4.60

9	Cashew	750	0.81	15.91
10	Pepper	400	10.00	59.15
	Total	10350	139.69	511.6

The total availability of planting material in the state including both private and public sector nurseries is estimated at about 511.6 lakh plants. Whereas, the scheme requirement of planting material is estimated at about 139.69 lakh plants (27.3% of the availability) covering various important crops for implementation of its area expansion plan of 10,350 ha. Hence, planting materials estimated to be sufficient to meet the scheme requirement.

DISTRICT : Bagalkot



Geography

Bagalkot District is located on the northern part of the state. It consists of 6 taluks viz Badami, Bagalkot, Bilagi, Hungund, Jamkhandi and Mudhol, and 3 prominent rivers namely: Krishna, Ghatprabha and Malaprabha flow through the district, the famous Almatti dam exists in the district and 70% of the area under irrigation. Horticulture crops grown on the right and left side of the canals.

The Geographical area of the district is 658,887 ha out of which 4,73,590 ha cultivable, 37296 ha under Horticulture crops are mainly Fruits 6856 ha, Vegetables 22997 ha, Flowers 227 ha, Plantation 2094 ha, Spices 5108 ha, Medicinal & Aromatic Plants 16 ha in the district. There are 64010 small farmers, 49910 marginal farmers, 82622 Medium farmers and 4,262 large farmers, of which 25,283 are Horticulture families in the district. Bagalkot is a rich district with respect to horticulture wealth. It is endowed with congenial agro-climate conditions which has made it possible to grow different varieties of horticulture crops.

Land Availability
Geographical area and land use features:

1	Geographical Area (ha)	658887	
2	Forest land (ha)	81126	
3	Waste land (ha)	59318	
4	Others (ha)	51026	
5	Land holdings and Area	No.	Area (Ha).
	(a) Marginal (<1.0 Ha)	60928	35898
	(b) Small (1.0-2.0Ha)	70396	103262
	(c) Semi Medium (2.0-4.0 Ha)	56193	154754
	(d) Medium (4.0-10.0 Ha)	27350	158496
	(e) Large (>10.0 Ha)	3746	51124
	Total	200895	502089
6	Net area irrigated (In Ha)		
	(a) Major Irrigation	68144	
	(b) Medium Irrigation	92370	
	(c) Minor Irrigation	3291	
7	Source of Irrigation		
	(a) Ground water	85550	
	(b) Surface water	77609	
8	Canal Irrigation (Ghataprabha and Malaprabha left bank canal)	64283	

General Agro climatic Details of the Bagalkot District

1	Taluka's	Badami, Bagalkot, Bilagi, Hunagund, Jamakhandi, Mudhol
2	Agro Climatic Zone	Northern dry zone
3	Altitude	533.0 m. ASML
4	Latitude	16 ⁰ 12 ¹ N-16 ⁰ 46 N-
5	Longitude	74 ⁰ 59 ¹ E-76 ⁰ 20 ¹ E
6	Annual Rainfall	585 mm, 40 rainy days
7	Temperature	Minimum -18 ⁰ C, Maximum-40 ⁰ C
8	Climate	Dry Climate
9	Soil Type	Balck, Red & Alluvial Soils.

Horticulture in the District

The diverse agro-ecological conditions prevailing in the District has made it possible to grow large varieties of horticulture crops covering fruits, vegetables, flowers, spices, plantations, roots and tuberous crops, aromatic crops, medicinal crops, oil palm etc. . There has been a significant development in horticulture sector since the last two to three decades. There is a clear shift from agriculture to horticulture sector which is mainly attributed to the fact that horticulture crops are perennial in nature and are less labour oriented and highly remunerative . Horticulture crops are grown in an area of 37296 ha. with an annual production of 742103 tons annually.

Planting Material Requirement and Availability 2011-12

Sl. no	Requirement of Planting material			Availability		
	Crop	Area (Ha)	No of Plants Required	Source	Stock	Remarks
1	Grape (1110 plants/ ha)	75	83250	Farmers	83250	Sufficient
2	Banana (3086 plants/ ha)	50	154300	Private	500000	345700 surplus
3	Papaya (3086 plants/ ha)	50	154300	UHS Bagalkot, Private Nurseries	75000	20700 surplus
				Seeds available in Private	100000	

Field Visit

Beneficiary No.1

Area Expansion-Banana

Area- 3.88 ha

Spacing – 6*6ft

Sl No	Details	Remarks
1	Name and adress of Beneficiary whose feild visited	Shri Hanamappa Shivappa Sulikeri atpost-Takkalaki
2	Total Land available with the beneficiary	11.12 Acre
3	Crop Cluster under which covered	Bilagi
4	Name and variety of crop planted	G-9
5	Source of planting material	Kantesh Horti/Tech, Dharwad
6	Number of planting material	12000 plants
7	Number of plants planted/rejuvenated	12000
8	Date of plants which survived(also indicate % survival)	100%
9	Total amount of subsidy assistance due to the beneficiary	121060/-
10	Amount paid and date of payment	121060/- 4-12-2010
11	Mode of payment	NEFT, Through Bank
12	Source of Irrigation water (Bore well/Tube well/canal)	Bore well
13	Whether Drip/sprinkler system in use	Drip Irrigation
14	Other inputs provided	Subsidy Availed for Drip irrigation system of Rs. 155700.00 (31.03.2011)
15	Whether assistance available for Organic Farming	No
16	If so area covered	-
17	Assistance available	-
18	Avaialble Marketing facility for the crop	local Market
19	Other infrastucture available in the vicinity	APMC, Bagalkot fruit and vegetable auction centre
20	General upkeep of the plot: very good/good/Average/poor	Good
21	Any other relevant observation by the JIT	-

Beneficiary No.2
Area Expansion- Grape
Area- 0.80 ha
Spacing – 10*5ft

Sl No	Details	Remarks
1	Name and address of Beneficiary whose field visited	Shri Mastanshab Dongrisahab Yendigeri Atpost- Girisagar
2	Total Land available with the beneficiary	3.20 Acre
3	Crop Cluster under which covered	Anagawadi
4	Name and variety of crop planted	Manik Chaman
5	Source of planting material	Farmers Field
6	Number of planting material	1780
7	Number of plants planted	1780
8	Date of plants which survived(also indicate % survival)	100%
9	Total amount of subsidy assistance due to the beneficiary	24000/-
10	Amount paid and date of payment	18010/- 6-12-2010
11	Mode of payment	NEFT, Through Bank
12	Source of Irrigation water (Bore well/Tube well/canal)	Bore well
13	Whether Drip/sprinkler system in use	Drip Irrigation
14	Other inputs provided	Critical inputs like PSB 20kg Azospirillum 20kg Zinc Sulphate 20Kg Ferrous Sulphate 24Kg Borax 8kg Liquid Organic 11lit Enrich city compost 240kg of worth Rs 5990/- (25% of new AEP installement)
15	Whether assistance available for Organic Farming	No
16	If so area covered	
17	Assistance available	
18	Available Marketing facility for the crop	First crop in local market
19	Other infrastructure available in the vicinity	Local Market
20	General upkeep of the plot: very good/good/Average/poor	Good
21	Any other relevant observation by the JIT	

Beneficiary No.3
Area Expansion- Papaya
Area- 1 ha
Spacing – 7*5ft

Sl No	Details	Remarks
1	Name and address of Beneficiary whose field visited	Shri Subhashchandra Sankerrapa Hadli Atpost- Anagawadi
2	Total Land available with the beneficiary	4.00 Acre
3	Crop Cluster under which covered	Anagawadi
4	Name and variety of crop planted	Thaiwan 786 RED LADY
5	Source of planting material	Cadilla Pharmecuticals limited
6	Number of planting material	4500/-
7	Number of plants planted	4500/-
8	Date of plants which survived(also indicate % survival)	100%
9	Total amount of subsidy assistance due to the beneficiary	31500/-
10	Amount paid and date of payment	23651/- 6/12/2010
11	Mode of payment	NEFT, Through Bank
12	Source of Irrigation water (Bore well/Tube well/canal)	Bore well
13	Whether Drip/sprinkler system in use	Drip Irrigation
14	Other inputs provided	Critical inputs like PSB 28kg Azospirillum 28kg Zinc Sulphate 16.8Kg Ferrous Sulphate 14Kg Borax 5.6kg Liquid Organic 14lit Enrich city compost 455kg of worth Rs 7849/- (25% of new AEP installement) Microirrigation Subsidy of Rs. 74600 availed (31.03.2011)
15	Whether assistance available for Organic Farming	No
16	If so area covered	
17	Assistance available	
18	Available Marketing facility for the crop	HOPCOMS Bangalore, Mumbai.
19	Other infrastructure available in the vicinity	HOPCOMS Bangalore.
20	General upkeep of the plot: very good/good/Average/poor	Good
21	Any other relevant observation by the JIT	

Beneficiary No.4

Area Expansion- Papaya

Area- 1 ha

Spacing – 7*5ft

Sl No	Details	Remarks
1	Name and adress of Beneficiary whose feild visited	Shri Shrisail virupakshigouda Patil Atpost- Anagawadi
2	Total Land available with the beneficiary	12.22 Acre
3	Crop Cluster under which covered	Anagawadi
4	Name and variety of crop planted	Thaiwan 786 RED LADY
5	Source of planting material	Cadilla Pharmecuticals limited
6	Number of planting material	3600/-
7	Number of plants planted/rejuvenated	3600/-
8	Date of plants which survived(also indicate % survival)	100%
9	Total amount of subsidy assistance due to the beneficiary	22500/-
10	Amount paid and date of payment	16893/- 20/12/2010
11	Mode of payment	NEFT
12	Source of Irrigation water (Bore well/Tube well/canal)	Bore well
13	Whether Drip/sprinkler system in use	Drip Irrigation
14	Other inputs provided	Critical inputs like PSB 20kg Azospirillum 20kg Zinc Sulphate 12Kg Ferrous Sulphate 10Kg Borax 4kg Liquid Organic 10lit Enrich city compost 325kg of worth Rs 5607/- (25% of new AEP installement) Micro irrigation subsidy of Rs. 74600 availed (31.03.201)
15	Whether assistance available for Organic Farming	No
16	If so area covered	
17	Assistance available	
18	Avaialble Marketing facility for the crop	HOPCOMS Bangalore, Mumbai.
19	Other infrastucture available in the vicinity	HOPCOMS Bangalore.
20	General upkeep of the plot: very good/good/Average/poor	Good
21	Any other relevant observation by the JIT	

Beneficiary No.5

Pack House

Sl No	Details	Remarks
1	Name and address of Beneficiary whose field visited	Shri Prakash virupakxgouda Patil Atpost-Anagawadi
2	Total Land available with the beneficiary	12.22 Acre Sy No-36/1
3	Year of Establishment	2010
4	Size of Structure (Sq.m)	12*5*4mtr 240Sq.m
5	Total Cost	317000/-
6	Agency involved in fabrication and installation	Self
7	Total subsidy paid and date of payment	150000/- P.K.P.S Anagawadi Acc no 04 dated 12-4-2011
8	Crop being grown	Grape,Pomegranate
9	Condition of structure	
10	Condition of crop	Good
11	General upkeep of the plot: very good/good/Average/poor	Good
12	Any other relevant observation by JIT	-

Beneficiary No.6

Production of Planting Material

Nursery

Sl No	Details	Remarks
1	Name of the Project	Public Sector Small Nursery
2	Year of Implementation	2010-11
3	Project Period	120 days
4	Name of Implementing Agency	University of Horticultural Sciences (UHS) Bagalkot
5	Location of Project	Orchard office, UHS, Navangar Bagalkot
6	Total Project Cost	Rs. 7.60 lakhs
7	Amount Released by DAC	Rs. 6.25 lakhs
8	Expenditure incurred	Rs. 7.60 lakhs
9	Status of Project	
	Name of Nursery and crop for which plants are produced	Orchard Model Nursery, Work under progress for Mango, Pomogranate, Sapota, Grape Rootstock, Fig, Lime production.
	Name of Crops for which seeds produced	-
	Quantity Produced	-

	Quantity Sold	-
	Rate	-
	Amount realized through sale	-
	Whether NHM logo displayed	No

Beneficiary No.7
Water Resources Development

Sl No	Details	Remarks
1	Name of the Project	Community Tank
2	Year of Implementation	2009-10
3	Project Period	60 days
4	Name of Implementing Agency	Senios Assistant Director of Horticulture (ZP) Badami
5	Location of Project	Agasankoppa Tq: Badami
6	Total Project Cost	Rs. 3.52 lakhs
7	Amount Released by DAC	Rs. 2.00 lakhs
8	Expenditure incurred Status	Rs. 3.52 lakhs
9	Current Status of Project	
	Dimension (L x B x W)	32 x 32 x 3
	Capacity	300 (Cubic meter)
	Command Area	12 ha
	Whether linked with new plantation or old plantation	Yes New plantation of Banana, Capsicum, Tomato
	Whether Funds disbursed	Yes

Observations :-

1. The Area Expansion for TC Banana G-9 variety in Village Rolli has found to be less producing because of damage due to wind. The quality and size of the bunches is very small. The AEP is supported under MI also for drip irrigation.
2. The AEP- Grapes in Village :- Girisagar and also supported for drip irrigation under MI is performing well.
3. AEP – Papaya in Village :- Anaga wadi with Red Lady variety is performing excellent and the beneficiary is getting very high returns.
4. The community pond supported under NHM during 2009-10 in Village :- Anagan wadi to Shri Mahadevappa has not been put to use for irrigation but being used for rearing fish.



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District :- Bidar



Geography

The entire district forms a part of the Deccan Plateau and is made up mostly of solidified lava. The northern part of the district is characterized by expanses of level and treeless surface punctuated here and there by flat and undulating hillocks, black soils and basaltic rocks. The southern half of the district is a high plateau about 715 m above mean sea level and are well drained. The average elevation of the district is between 580 to 610 m above mean sea level. Alluvial deposit is normally found along the banks of the Manjra river and its main tributaries. The district is entirely covered by the Deccan trap flows of the tertiary period. The Deccan trap is composed of horizontal flows of basaltic lava. They generally form flat-topped hillocks and terrace-like features.

Soils

Two types of soils found in the district are Lateritic red soil and black cotton soil. Aurad and Bhalki taluks have mainly black cotton soil. Bidar and Humnabad taluks have mainly lateritic red soil. Basavakalyan taluk has both types of soils.

Climate

The climate of this district is characterized by general dryness throughout the year, except during the southwest monsoon. The summer season is from the middle of February to the first week of June. This is followed by southwest monsoon season, which continues till the end of September. The months of October and November constitute the post-monsoon or retreating monsoon season.

The winter season is from December to middle of February and the temperature begins to decrease from the end of November, December is the coldest month with mean daily maximum temperature of 27.3°C and mean daily minimum of 16.4°C . From the middle of the February, both day and night temperatures begin to rise rapidly. May is the hottest month with mean daily maximum temperature of 38.8°C and mean daily minimum of 25.9°C . With the withdrawal of southwest monsoon in the first week of October, there is slight increase in day temperature but night temperature decreases steadily. After October, both day and night temperatures decreases progressively. The highest maximum temperature recorded at Bidar was on 8-5-1931(43.3°C) and the lowest was on 5-1-1901(3.9°C).

Physical and Financial Targets during 2005-06 to 2010-11

Area in Ha.
Rs. in lakhs

Year	Target		Achievement	
	Physical (Ha)	Financial (Rs)	Physical	Financial
2005-06	-	-	-	-
2006-07	-	-	-	-
2007-08	401.22	37.44	401.22	37.44
2008-09	1567.00	167.61	1513.80	158.83
2009-10	870.00	89.38	870.00	89.38
2010-11	290.00	64.26	366.00	67.36

Area and Production of Horticulture Crops in Bidar District

	2005-2006			2010-2011	
	Crops	Area(Ha)	Production (Ton)	Area(Ha)	Production (Ton)
1	Mango	767	7670	1676	10710
2	Grapes	152	2280	327	5172
3	Pomegranate	22	220	181	1440
4	Sapota	44	500	108	1080
5	Citrus	26	650	222	3888
7	Papaya	914	7280	168	10920
8	Loose flowers	62	496	297	2376
9	Ginger	1300	13000	2088	20880
11	Cashew	152	268	199	298.5
	Total	3707	40404	5913	72026.5

Taluk wise Area details

Sl. No.	Taluka	Geo graphical Area (Ha.)	Forest Area (Ha.)	Non Agricultural Land (Ha.)	Barren (Ha.)	Cultivable waste land (Ha.)	Permanent Pasture (Ha.)	Trees and Grooves (Ha.)
1	Aurad	121622	2311	2661	3213	3412	1684	2776
2	Basavakalyan	119438	7143	3254	7687	6053	3443	77
3	Bhalki	109259	2584	5260	395	3115	3541	7290
4	Bidar	92203	4655	4299	2525	2085	910	482
5	Humnabad	99243	11014	6532	5307	4717	4386	312
	Total	541765	27707	22006	19127	19382	13964	10915

Field Visit Beneficiary No.1

Sl. No.	Details	Farmers field information
1	Name and address of the beneficiary	Sri Manik Reddy S/o Ram Reddy Post Bemalkheda Taluka Humnabad District Bidar
2	Total Land available with the beneficiary	1.31 Ha
3	Crop cluster under which covered	Sweet Orange
4	Name and variety of the crop planted	Sathgudi
5	Source of planting material	Ananthpur, Andhra Pradesh
6	No. of plants planted	325
7	Date of palnting	Jan 2008
8	No of plants which surviced (Percentage survival)	324 (99.99%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	29475/-
10	Amount paid and date of Payment	2008-09 – Rs. 14737/- Date of Payment : 6-3-2008 2009-10 – Rs. 5895/- Date of Payment : 14-8-2009 2010-11 – Rs. 8843/- Date of Payment : 25-8-2010
11	Mode of Payment	By Eclectronic Clearance System (ECS)
12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	Hyderabad, Solapur and Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Good
21	Any other relevant observation by the Joint Inspection Team	Use of Micro nutrients like Zn and Mg based on soil test reports Removal of water shoots

Beneficiary No.2

Sl. No.	Details	Farmers field information
1	Name and address of the beneficiary	Sri Manik Reddy S/o Ram Reddy Post Bemalkheda Taluka Humnabad District Bidar
2	Total Land available with the beneficiary	0.58 Ha
3	Crop cluster under which covered	Sweet Orange
4	Name and variety of the crop planted	Sathgudi
5	Source of planting material	Ananthpur, Andhra Pradesh
6	No. of plants planted	160
7	Date of palnting	July 2010
8	No of plants which surviced (Percentage survival)	160 (100%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	8720/-
10	Amount paid and date of Payment	2010-11 – Rs. 8720/- Date of Payment : 1-10-2010
11	Mode of Payment	By Eelectronic Clearance System (ECS)
12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	-
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Good
21	Any other relevant observation by the Joint Inspection Team	-

Beneficiary No.3

Sl. No.	Details	Farmers field information
1	Name and address of the beneficiary	Praveena D/o Manik Reddy Post Bemalkhedda Taluka Humnabad District Bidar
2	Total Land available with the beneficiary	1.0 Ha
3	Crop cluster under which covered	Sweet Orange/Mango
4	Name and variety of the crop planted	Sweet Orange – Sathgudi, Mango- Kesar
5	Source of planting material	Ananthpur, Andhra Pradesh
6	No. of plants planted	Sweet Orange – 160 Mango- 110
7	Date of palnting	Dec 2009
8	No of plants which surviced (Percentage survival)	Sweet Orange – 160 (100%) Mango- 110 (100%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	Sweet Orange – 9293/- Mango- 6300/-
10	Amount paid and date of Payment	Sweet Orange 2009-10 – Rs. 6638/- Date of Payment : 3-1-2010 Mango 2009-10 – Rs. 4500/- Date of Payment : 3-1-2010 Sweet Orange 2010-11 – Rs. 2655/- Date of Payment : 16-8-2010 Mango 2010-11 – Rs. 1800/- Date of Payment : 16-8-2010
11	Mode of Payment	By Eclectronic Clearance System (ECS)
12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	-
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Good
21	Any other relevant observation by the Joint Inspection Team	-

Beneficiary No.4

Vermicompost Unit :

Sl. No.	Details	Farmers field information
1	Name of the project	Construction of on farm Vermicompost Unit
2	Name and address of the beneficiary	Praveena D/o Manik Reddy Post Bemalkheda Taluka Humnabad District Bidar
3	Year of Implementation	2010-11
4	Project Period	2 Months
5	Name of implementing Agency	Horticulture Department
6	Location of the project	Vittalapur Village
7	Total Project Cost (Rs.)	60000/-
8	Amount Released by DAC (Rs.)	30000/-
9	Expenditure Incurred (Rs.)	60000/-

Beneficiary No.5

Sl. No.	Details	10
1	Name and address of the beneficiary	11
2	Total Land available with the beneficiary	4.0 Ha
3	Crop cluster under which covered	Pomogranate
4	Name and variety of the crop planted	Bhagwa
5	Source of planting material	Solhapur (MH)
6	No. of plants planted	2900
7	Date of palnting	Sept 2008
8	No of plants which surviced (Percentage survival)	2775 (95.68%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	100000/-
10	Amount paid and date of Payment	2008-09 – Rs. 45000/- Date of Payment : 27-11-08 2009-10 – Rs. 18000/- Date of Payment : 16-10-09 2010-11 – Rs. 27000/- Date of Payment : 16-08-10
11	Mode of Payment	By Eclectronic Clearance System (ECS)
12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-

17	Assistance availed	-
18	Available marketing facility for the crop	Hyderabad, Solapur and Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Good
21	Any other relevant observation by the Joint Inspection Team	Suggested for improving agronomic practices Proper weed management Thinning of branches to improve the quality and yield

Beneficiary No.6

Sl. No.	Details	Farmers field information
1	Name and address of the beneficiary	Sri Bhavinder Singh S/o Kirpal Singh Post Nirna Taluka Humnabad District Bidar
2	Total Land available with the beneficiary	4.0 Ha
3	Crop cluster under which covered	Pomogranate
4	Name and variety of the crop planted	Bhagwa
5	Source of planting material	Solhapur (MH)
6	No. of plants planted	2900
7	Date of palnting	Sept 2008
8	No of plants which surviced (Percentage survival)	2823 (97.34%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	100000/-
10	Amount paid and date of Payment	2008-09 – Rs. 45000/- Date of Payment : 27-11-08 2009-10 – Rs. 18000/- Date of Payment : 16-10-09 2010-11 – Rs. 27000/- Date of Payment : 16-08-10
11	Mode of Payment	By Eclectronic Clearance System (ECS)
12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	Hyderabad, Solapur and Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Good
21	Any other relevant observation by the Joint Inspection Team	Suggested for improving agronomic practices Proper weed management Thinning of branches to improve the quality and yield

Beneficiary No.7

Sl. No.	Details	Farmers field information
1	Name and address of the beneficiary	Sri Ravinder Pal Kaur S/o Kirpal Singh Post Nirna Taluka Humnabad District Bidar
2	Total Land available with the beneficiary	4.0 Ha
3	Crop cluster under which covered	Pomogranate
4	Name and variety of the crop planted	Bhagwa
5	Source of planting material	Solhapur (MH)
6	No. of plants planted	2900
7	Date of palnting	Sept 2008
8	No of plants which surviced (Percentage survival)	2770 (95.51%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	100000/-
10	Amount paid and date of Payment	2008-09 – Rs. 45000/- Date of Payment : 27-11-08 2009-10 – Rs. 18000/- Date of Payment : 16-10-09 2010-11 – Rs. 27000/- Date of Payment : 16-08-10
11	Mode of Payment	By Eelectronic Clearance System (ECS)
12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	Hyderabad, Solapur and Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Good
21	Any other relevant observation by the Joint Inspection Team	Suggested for improving agronomic practices Proper weed management Thinning of branches to improve the quality and yield

Beneficiary No.8

Community Tank

Sl. No.	Details	Farmers field information
1	Name of the project	Construction of Community Tank
2	Name and address of the beneficiary	Sri HarDev Singh S/o Kirpal Singh Post Nirna Taluka Humnabad District Bidar
3	Year of Implementation	2009-10
4	Project Period	3 Months
5	Name of implementing Agency	Horticulture Department
6	Location of the project	Nirna Village
7	Total Project Cost (Rs.)	800000/-
8	Amount Released by DAC (Rs.)	400000/-
9	Expenditure Incurred (Rs.)	800000/-
10	Water storage Capacity	18240 Cubic Meter (64m x57mx5m)
11	Command Area	85 Acres
12	Whether Linked with New Plantation or old Plantation	New Plantation
13	Whether funds are Distributed	Yes

Beneficiary No.9

Sl. No.	Details	Farmers field information
1	Name and address of the beneficiary	Sri Mujibuddin S/o Hissamuddin Post Nirna Taluka Humnabad District Bidar
2	Total Land available with the beneficiary	1.81 Ha
3	Crop cluster under which covered	Mango
4	Name and variety of the crop planted	Kesar and Dasherī
5	Source of planting material	Peddapur, Andhra Pradesh
6	No. of plants planted	500
7	Date of palnting	July 2010
8	No of plants which surviced (Percentage survival)	500 (100%)
9	Total amount of subsidy assistance to the beneficiary (Rs.)	27675/-
10	Amount paid and date of Payment	2010-11 – Rs. 27675/- Date of Payment : 20-11-10
11	Mode of Payment	By Eelectronic Clearance System (ECS)

12	Source of irrigation	Borewell
13	Whether Drip or Sprinkler System is used	Drip Irrigation
14	Other Inputs provided	-
15	Whether assistance availed for organic farming	NA
16	If so area covered	-
17	Assistance availed	-
18	Available marketing facility for the crop	-
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot	Very Good
21	Any other relevant observation by the Joint Inspection Team	-Suggested to practice Insitu Green leaf Manuring - Suggested to Construct Vermicompost Unit

Beneficiary No.10
Post Harvest Management

Sl. No.	Details	Farmers field information
1	Name of the project	Construction of on Farm Pack house
2	Name and address of the beneficiary	Sri Madiwalaiah S/o Karbasaiah Itaga Village Post Chitaguppa Taluka Humnabad District Bidar
3	Year of Implementation	2010-11
4	Project Period	6 Months
5	Name of implementing Agency	Horticulture Department
6	Location of the project	Itaga Village
7	Total Project Cost (Rs.)	350000/-
8	Amount Released by DAC (Rs.)	150000/-
9	Expenditure Incurred (Rs.)	300000/-
10	Storage Capacity of the unit	7 Tonnes (12m x5mx4m)
11	Commodity	Orange, Mango and Ginger
12	Whether NHM logo is displayed	Yes
13	Whether funds are Distributed	Yes

Beneficiary No. 11

Small Nursery

Sl. No.	Details	Farmers field information
1	Name of the project	Establishment of Small Nursery
2	Name and address of the beneficiary	Sri KalyanRao S/o Madivalappa Talamadagi Village Post Chitaguppa Taluka Humnabad District Bidar
3	Year of Implementation	2007-08
4	Project Period	9 Months
5	Name of implementing Agency	Horticulture Department
6	Location of the project	Talamadagi Village
7	Total Project Cost (Rs.)	113820/-
8	Amount Released by DAC (Rs.)	50000/-
9	Expenditure Incurred (Rs.)	113820/-
10	Name of the Nursery and Crops for which plants are produced	Sherika Nursery Rose, Night Queen, Mango, Coconut, Jasmine, Lime Tamarind and other ornamental
11	Quantity produced Nos	50000-80000
12	Quantity Sold	60000/-
13	Rate (Rs.)	8-25
14	Amount realized through Sales	250000/-
15	Whether NHM logo is displayed	Yes

Observations :-

1. The AEP for sweet orange in Village :Vittalapura, Tlauk :- Humnabad is good but there is a need for canopy management with particular reference to pruning. Also, nutrient deficiency in the plants was observed.
2. The AEP for Pomegranate in Village :- Nirna, Taluk : -Humnabad was full of weeds and heavy incidence of Bacterial Blight was observed in the field.
3. The community pond constructed with plaster lining is as per the specifications and maintained.
4. The pack house in Village : Itaga, Taluk: Himabad has been constructed but does not have any packing facility/ material.
5. In all the activities visited under NHM logo has not been displayed.
6. In AEP, the cluster approach has not been adopted.

7. In some cases, the vermi compost units are not maintained scientifically.
8. There is a need to arrange more field awareness programmes.
9. Volume of NHM activities in Bidar district is very less as compared to potential of the district.



District : Dharwad



Geography

Dharwad district is situated in North-Eastern part of Karnataka state . The district has Belgaum district in North, Haveri district in south, Gadag district in South and Uttara Kannada district in West. The district Dharwad comprises of 5 taluks namely, Dharwad, Hubli, Kalaghatagi, Kundagol and Navalagund.

Horticulture in the District

Total geographical area of the district is 4,27,329 ha. Out of this 85% area is under cultivation. The Horticulture crops covers the area of about 1,06,919 ha. The prominent Horticulture crops grown in this districts are fruit crops like, Mango, Sapota, Banana, Guava, and Papaya, flower crops like, Rose, Gailardia, Jasmine, Marigold, vegetables like, Brinjal, Chili, Bhendi, Tomato, onion etc.

Alphonso variety of Mango is widely grown in Dharwad, Hubli and Kalaghatagi taluks. Apart from this chilli crop is extensively grown in Kundagol, Hubli and Navalagund taluks. The local

variety of chilli namely Dyavanur Dabba, Byadagi Kaddi and Byadagi dabba are having Superior characters like colour and aroma. These varieties are in demand in market because of high content of Oleoresin and of superior qualities. They are being grown as traditional crops since many years. In the same way local red onion is also extensively grown in Dharwad district.

Taluk wise details of important Horticulture Crops, Production and Productivity

Sl No.	Taluk	Area (ha)	Production(Tons)	Productivity (ton Per Ha)	Important Horticulture Crops
1	Dharwad	12580	77523.68	6.16	Mango, Chikku, Guava, Banana, Potato, Onion, Chilli & Gladiolus
2	Hubli	24094	22190.84	9.21	Mango, Chikku, Guava, Banana, Potato, Onion, Chilli & Rose
3	Kalaghatagi	1918	19404.10	10.12	Mango, Chikku, Chilli & Coconut
4	Kundgol	32098	109609.20	3.41	Mango, Onion, Chilli & Garlic
5	Navalgund	36229	453976.68	12.53	Guava, Onion & Chilli
District Total		106919	682704.50	8.25	

Dharwad district having variety of climatic conditions, soil, rainfall and wind speed. In Dharwad district Kalaghatagi taluk comes under malnad belt, Dharwad and Hubli taluk comes under traditional belt of malnad/ semi malnad belt and kundagol and Navalagund taluks comes under plain topography.

Field Visit
Beneficiary No.1
Protected Cultivation

Sl.No.	Details	Remarks
1.	Name & address of Beneficiary whose field visited.	Shri. Avinash R Agadi Unkal, Hubli Dist: Dharwad
2.	Total land available with the beneficiary (ha.)	1000 Sq.M.
3.	Type of protected cultivation activity (Hi-Tech /Normal GH Shade net, Plastic tunnel)	High tech Polly House
4.	Year of establishment	2009-10
5.	Size of Structure (sq. m.)	1000 Sq.M.
6.	Total Cost	14.75 Lakhs
7.	Agency involved in fabrication and installation	Shri hari Green house Pvt. Ltd. Pune
8.	Total subsidy paid and date of payment	3.25 Lakhs
9.	Crop being grown	Gerbera
10.	Condition of structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	-
13.	General Upkeep (Very good/Good/Average/poor)	Good
14.	Any other relevant observation by JIT	-

Beneficiary No.2
Protected Cultivation

Sl.No.	Details	Remarks
1.	Name & address of Beneficiary whose field visited.	Smt. Akkamahadevi R Agadi Unkal- Hubli Dist: Dharwad
2.	Total land available with the beneficiary (ha.)	1000 Sq.M.
3.	Type of protected cultivation activity (Hi-Tech/Normal GH Shade net, Plastic tunnel)	Hi-Tech Polly House
4.	Year of establishment	2010-11
5.	Size of Structure (sq. m.)	1000 Sq.M.
6.	Total Cost	14.75 Lakhs
7.	Agency involved in fabrication and installation	Ramanagar Hi-Tech Agro Industries- Pune
8.	Total subsidy paid and date of payment	4.675 Lakhs
9.	Crop being grown	Gerbera
10.	Condition of structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	-
13.	General Upkeep (Very good/Good/Average/poor)	Good
14.	Any other relevant observation by JIT	-

Beneficiary No.3
Protected Cultivation

Sl.No.	Details	Remarks
1.	Name & address of Beneficiary whose field visited.	Shri. Abhishek R Agadi Unkal- Hubli Dist: Dharwad
2.	Total land available with the beneficiary (ha.)	1000 Sq.M.
3.	Type of protected cultivation activity (Hi-Tech /Normal GH Shade net, Plastic tunnel)	Hi-Tech Polly House
4.	Year of establishment	2010-11
5.	Size of Structure (sq. m.)	1000 Sq.M.
6.	Total Cost	14.75 Lakhs
7.	Agency involved in fabrication and installation	Ramanagar Hi-Tech Agro Industries- Pune
8.	Total subsidy paid and date of payment	4.675 Lakhs
9.	Crop being grown	Gerbera
10.	Condition of structure	Good
11.	Condition of Crop	Good
12.	Tie up with market	-
13.	General Upkeep (Very good/Good/Average/poor)	Good
14.	Any other relevant observation by JIT	-

Beneficiary No.4

Mango Rejuvenation

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Shri Madarsab Mehabubsab Arebasavankopp. Devargudihaal Tq: Hubli Dist Dharwad Sy No-78/1
2	Total land available with the beneficiary (ha.)	2.00 Ha
3	Crop Cluster under which covered.	Mango (1.00 ha)
4	Name & Variety of crop planted	Alphanso
5	Source of planting material	Private Nursery
6	Number of planting	125 No
7	Number of plants planted / rejuvenated	125 No
8	Date of plants which survived (also indicate percentage survival)	Dec-2010-11 (100%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs. 5620/-
10	Amount paid and date of payment	-
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore well
13	Whether Drip / Sprinkle System in use	-
14	Other inputs provided	Critical inputs Rs. 4000/-ha
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	Average
21	Any other relevant observation by the JIT	-

Beneficiary No.5
Rose Area Expansion

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Shri. Shivaji Siddappa Savasi Devargudihaal Tq: Hubli Dist : Dharwad Sy No-139/6
2	Total land available with the beneficiary (ha.)	0.60 Ha
3	Crop Cluster under which covered.	Rose (0.60 ha)
4	Name & Variety of crop planted	Soflorance
5	Source of planting material	Private Nursery
6	Number of planting	4166 No
7	Number of plants planted / rejuvenated	4166 No
8	Date of plants which survived (also indicate percentage survival)	July -2011-12 (100%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Applied for subsidy
10	Amount paid and date of payment	-
11	Mode of payment	-
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore 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	-
21	Any other relevant observation by the JIT	-

Beneficiary No.6
Banana And Mango Ripening Chamber

Sl.No.	Details	Remarks
1.	Name of the Project	Poonam Agri Tech Banana and Mango Ripening Chamber
2.	Year of Implementation	2011-12
3.	Project Period	-
4.	Objective	Providing facility for ripening Chambers for Banana and Mango to growers and Traders.
5.	Location of Project	Kundagol Taluka, Ramankoppa Industrial Estate, Tadas Cross, NH-4 , Dist: Dharwad.
6.	Total Project Cost	210 Lakhs
7.	Amount Released by DAC	Still not Sanctioned
8.	Expenditure incurred	210 Lakhs
9.	Status of Project	
	* Name of fruits Ripened	Banana and Mango
	* Required Quantity Collected from	Haveri, Karwar, Gadag, Davanageri District
	* Annual Ripened Fruits	25.6 Tonnes X 180 Days = 4608 Tonnes
	* Amount realized through sale	-
	* Whether NHM logo displayed	-

Beneficiary No.7

Mango Area Expansion

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Shri Shivaradrayya B. Matapati Varur , Tq: Hubli Dist Dharwad Sy No-191
2	Total land available with the beneficiary (ha.)	1.20 Ha
3	Crop Cluster under which covered.	Mango (1.20 ha)
4	Name & Variety of crop planted	Alphanso
5	Source of planting material	Private Nursery
6	Number of planting	150 No
7	Number of plants planted / rejuvenated	150 No
8	Date of plants which survived (also indicate percentage survival)	June-2009 -10 (100%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	1 st Year Rs. 9750/- 2 nd Year Rs. 2700/-
10	Amount paid and date of payment	-
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore well
13	Whether Drip / Sprinkle System in use	-
14	Other inputs provided	Critical inputs 1 st Rs. 3750/- 2 nd Rs. 2700
15	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17	Assistance available	-
18	Available marketing facility for the crop	Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot; Very good / Good / Average / Poor	Good
21	Any other relevant observation by the JIT	-

Beneficiary No.8
Mango Area Expansion

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Shri Mohan Kavatekar Serewada Tq: Hubli Dist Dharwad Sy No-538/2
2	Total land available with the beneficiary (ha.)	2.80 Ha
3	Crop Cluster under which covered.	Mango (2.68 ha)
4	Name & Variety of crop planted	Alphanso
5	Source of planting material	Private Nursery
6	Number of planting	335 No
7	Number of plants planted / rejuvenated	335 No
8	Date of plants which survived (also indicate percentage survival)	June-2009 -10 (100%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	1 st Year Rs. 21775/- 2 nd Year Rs. 6030/-
10	Amount paid and date of payment	-
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore well
13	Whether Drip / Sprinkle System in use	-
14	Other inputs provided	Critical inputs 1 st Rs. 8375/- 2 nd Rs. 6030
15	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17	Assistance available	-
18	Available marketing facility for the crop	Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot; Very good / Good / Average / Poor	Good
21	Any other relevant observation by the JIT	-

Beneficiary No.9

Banana Area Expansion

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Sr. Sureesh C Kematur Noolvi, Tq: Hubli Dist Dharwad Sy No-735/A
2	Total land available with the beneficiary (ha.)	4.80 Ha
3	Crop Cluster under which covered.	Banana (0.80 ha)
4	Name & Variety of crop planted	Grand -9
5	Source of planting material	Private Nursery
6	Number of planting	2000 No
7	Number of plants planted / rejuvenated	2000 No
8	Date of plants which survived (also indicate percentage survival)	Nove -2009 -10 (100%)
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	1 st Year Rs. 6000/- 2 nd Year Rs. 6000/-
10	Amount paid and date of payment	-
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore 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	Local Market
19	Other infrastructure available in the vicinity	Vermi Compost
20	General upkeep of the plot; Very good / Good / Average / Poor	Good
21	Any other relevant observation by the JIT	-

Beneficiary No.10

Adoption of Organic Farming

Sl.No.	Details	Remarks
1	Name of the project	Vermi Compost
2	Year of Implementation	2006-07
3	Project Period	3 months
4	Name of Implementing Agency	-
5	Location of Project	Noolvi
6	Total Project Cost	60,000/-
7	Amount Released by DAC	Rs. 30,000/-
8	Expenditure incurred Status	-
9	Status	
	Crops covered	Banana, Mango, Sapota & Coconut
	No of farmers involved	-
	Name & Address of certifying agency	-
	Whether any certificate issued	-

Observations :-

1. In Unkal village, three units each of 1000 sq. m supported under protected cultivation for Gerbera are functioning very well and generating very good income.
2. Financial assistance given for Mango rejuvenation during 2010-11 in Village :- Devaragudihal is practically not rejuvenated at all.
3. The ripening chamber ' Poonam Agritech ' started functioning during March,2010. This has 6 chambers of 12 ton capacity each and 2 chambers of 20 tons each. It is being used for Mango and Banana ripening. The owner has submitted his application for NHM support during March, 2011.
4. Two plots of AEP – Mango supported during 2009-10 in Varur and Sherewada villages on the main highway are doing well but NHM sign board has not been displayed.
5. Vermi compost unit established during 2006-07 in Village :- Noolvi has benefitted the farmer and he is using only vermi compost for horticulture crops. The farmer feels that due to use of vermi compost the incidence of Pest and disease has also decreased.



District : Gulbarga



District Profile

District Total Geographical Area (lakh Ha.)	10.94
Total Aerable Land (lakh Ha.)	10.05
Total Horticultural Area (Ha.)	18103
Fruits (Ha.)	7762
Vegetables (Ha.)	7587
Spice crops (Ha.)	1734
Flower crops (Ha.)	667
Plantation crops (Ha.)	352
Total (Ha.)	18103

Taluka-wise area under different Horticulture crops :

Taluka	Area (ha)
Afzalpur	2600
Aland	3260
Chincholi	4830
Chittapur	1038
Gulbarga	3324
Jewargi	2129
Sedam	922
Total	18103

Important Horticulture Crops of District :

Important Horticulture crops grown in the district are as under:-

Crops	Specific Crops
Fruits	Banana, Mango, Grapes, Citrus, Musambi, Sithapal, Jambolina, Fig
Flowers	Rose, Tuberose, Marygold, Gaillardia, Aster, Mallige
Vegetables	Almost all vegetables
Spices	Dry chilly, Tamarind, Ginger, Turmeric

Talukas suitable for different Horticulture crops

Crops	Taluks Suited
Banana	All Taluks
Mango	Chincholi, Gulbarga, Aland, Afzalpur
Grapes	Aland , Afzalpur, Gulbarga,
Fig	Gulbarga, Aland, Afzalpur
Lime	Afzalpur, Aland, Gulbarga, Jewargi
Musambi	Sedam, Gulbarga, Afzalpur, Aland
Flower crops	Gulbarga, Afzalpur, Aland
Medicinal & Aromatic crops	Gulbarga , Aland
Spice crops	Chincholi, Gulbarga, Jewargi, Aland, Afzalpur

Soils

The district has 7 talukas. The type of soils in different talukas are as under:

Type of soil	Talukas
Deep black cotton soil	Sedam, Chittapur, Jewargi
Medium black cotton soil	Gulbarga, Aland, Afzalpur
Sandy loam soil	Parts of chincholi

Climate

The temperature of the district in winter season falls to 10.2⁰ C and goes up to 44⁰ C during summer. The average minimum temperature is 23⁰ C and average maximum temperature is 40⁰ C

Annual rainfall of the district is about 776 mm and is not uniformly distributed all over.

Irrigation :

Major Irrigation - 33941 Ha.

Minor Irrigation - 41359 Ha.

Source- wise irrigated area

Source of irrigation	Area (Ha)
Canals	33941
Tanks	689
Wells	23110
Bore wells	13995
Lift irrigation	2604
Other sources	961
Total	75300

Details of Farms & Nurseries of the District:

The Department has 5 farms under State Sector & 6 farms under District Sector. These farms are involved in the production of seeding and grafts of different fruit crops. Since the private Nurseries are less in number, these farms are taking up the responsibility for requirement of farmers for good quality planting materials.

State Sector Farms

Sl.No.	Farms/ Nurseries	Total Area (Ha.)	Developed Area(Ha.)	Un developed area (Ha.)
1	Narayanapura	93.34	56.00	37.34
2	Chandrampalli	108.00	65.00	43.00
3	Hattikuni	42.00	27.20	15.00
4	Malagatti	21.10	15.00	6.10
5	Sedam	11.13	-	11.13
	Total	275.57	163.20	112.57

Z.P Sector Farms

Sl.No.	Farms/ Nurseries	Total Area (Ha.)	Developed Area (Ha.)	Un developed area (Ha.)
1	Badepura	5.07	2.07	3.00
2	Kesaratagi	6.00	6.00	-
3	Hallisalagara	14.16	10.00	4.16
4	Kallahangarga	31.20	12.00	19.00
5	Guduru	6.22	6.22	-
6	Gola K	26.12	8.00	18.12
	Total	88.77	44.29	44.28

Cluster Developed Under NHM in District : Gulberga

Sl. No	Taluk	Hobli	Custer Name	Total area of cluster	Villages	Implimenting programs	Remarks
1	Gulbarga	Pattan	Papaya	200 Acre	Hadagil Haruti, Kanni, Melakunda	NHM scheme	
			Banana	50 Acre	Melkunda(K), Bhimalli, Savalgi	NHM scheme	
		Aurad(B)	Papaya	60 Acre	Kumasi, Kallahangarga, Jambaga	NHM scheme	
			Banana	50 Acre	Kallahangarga, Kumasi, Astaga	NHM scheme	
		Fathabad	Papaya	70 Acre	Minajagi, Garur, Tegnoor	NHM scheme	
			Tube Rose	40 Acre	Tadtegnur, Garoor	NHM scheme	
		Gulbarga	Banana	100 Acre	Nandoor(B), Ajadpoor, Kesaragagi, Darmapur	NHM scheme	
		Mahagaon	Papaya	40 Acre	Dastapoor, Mahagaon, Navadgi, Siragapoor, Babalad	NHM scheme	
2	Afzalpur	Karajagi	Lime	250 Ac	Karjagi, Kudiganoor, Maashal, Jevargi(B)	NHM& NREGA Scheme	
			Banana	180 Ac	Karjagi, Kudiganoor, Maashal, Jevargi (B)	NHM& NREGA Scheme	
		Afzalpur	Grapes	200 Ac	Baloorgi, Nandarga	NHM scheme	
			Banana	400 Ac	Baloorgi, Afzalpur, Revoor (B)	NHM& NREGA Scheme	
			Grape Dehydrati on Unit		Baloorgi, Afzalpur, Revoor (B)	NHM& NREGA Scheme	

3	Aland	Nimbarga	Grapes	130	Dannoor, Kadaganchi, Narona, Nimbarga	NHM Scheme	
			Banana	400	Madyal, Yalasangi, Madyal thanda	NHM& NREGA Scheme	
		Khajuri	Lime	160	Chitali, Rudravadi, Kinnisultan, Hudloor	NHM& NREGA Scheme	
			Warmi compost	35	Rudravadi, Kinnisultan, Chithali	NHM Scheme	
		Naroona	Banana	200	Ambalaga, Ladmugali, Chinchansoor, Belamagi	NHM& NREGA Scheme	
		Madanhip parga	Banana	300	Nimbal, Chalagera, Madagunaki, Madanhipparga	NHM& NREGA Scheme	
4	Jewargi	Nelogi	Banana	50	Nelogi, Madeval, Kallur,(K) Kallor(B)	NHM Scheme	
		Yadrami	Lime	100	Kondgooli, Magangera, Kanameshwar, Allapoor	NHM& NREGA Scheme	
5	Chincholi	Chincholi	Mango	400	Kunchavaram, Mogadmpoor, Shivrampoor, Shivareddy palli, Jalavarsha thanda, Shadipoor	NHM Scheme	
			Termaric	450	Degalmadi, Chandramppalli, Ainolli, Pattepur, Nagaidlai	NHM Scheme	
6	Sedam	Mudool	Mosambi	50	Kanagadda, Tolmamadi, Ganga ravalpalli	NHM& NREGA Scheme	

Field Visit
Beneficiary No.1
Adoption of Organic Farming

Sl.No.	Details	Remarks
1	Name of the project	Biodigester
2	Year of Implementation	2010-11
3	Project Period	3 months
4	Name of Implementing Agency	-
5	Location of Project	Mahagaon
6	Total Project Cost	-
7	Amount Released by DAC	Rs. 30,000-00
8	Expenditure incurred Status	-
9	Status	
	Crops covered	Banana, Tomato, Papaya, Watermelon
	No of farmers involved	1
	Name & Address of certifying agency	-
	Whether any certificate issued	-

Beneficiary No.2
Adoption of Organic Farming

Sl.No.	Details	Remarks
1	Name of the project	Vermicompost
2	Year of Implementation	2007-08
3	Project Period	3 months
4	Name of Implementing Agency	-
5	Location of Project	Babalad (IK)
6	Total Project Cost	-
7	Amount Released by DAC	Rs. 30,000-00
8	Expenditure incurred Status	-
9	Status	
	Crops covered	Papaya, Grapes, Lime, Turmeric, Onion, Chilli
	No of farmers involved	1
	Name & Address of certifying agency	-
	Whether any certificate issued	-

Beneficiary No.3
Area Expansion / Rejuvenation

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Suraj Patil Kamalapur
2	Total land available with the beneficiary (ha.)	4 ha
3	Crop Cluster under which covered.	Banana
4	Name & Variety of crop planted	Red banana
5	Source of planting material	Local
6	Number of planting	2000-00
7	Number of plants planted / rejuvenated	2000-00
8	Date of plants which survived (also indicate percentage survival)	
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	-
10	Amount paid and date of payment	24000-00
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Open well
13	Whether Drip / Sprinkle System in use	Drip
14	Other inputs provided	-
15	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17	Assistance available	-
18	Available marketing facility for the crop	-
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot; Very good / Good / Average / Poor	-
21	Any other relevant observation by the JIT	-

Beneficiary No.4

Protected Cultivation

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Chandrakanth Hirapur
2	Total land available with the beneficiary (ha.)	40 ha.
3	Type of protected cultivation activity (Hitech / Normal GH, Shade net plastic tunnel....)	Shade net
4	Year of establishment	2011-12
5	Size of structure (sq.mtr)	1600 sq.mtr
6	Total cost	
7	Agency involved in fabrication & installation	
8	Total subsidy paid & date payment	2,05,000 (yet to be paid)
9	Crop being grown	Vegetable seedling
10	Condition of structure	Good
11	Condition of crop	-
12	Tie up with market	-
13	General upkeep (Very good / Good / Average / Poor)	
14	Any other relevant observation by JIT	-

Beneficiary No.5

Grape Dehydration Unit

Sl.No.	Details	Remarks
1	Name of the project	Grape dehydration Unit
2	Year of Implementation	2010-11
3	Project Period	6 months
4	Name of Implementing Agency	-
5	Location of Project	Hadgil Haruti. Sy.No. 55/3
6	Total Project Cost	1358731-00
7	Amount Released by DAC	Rs. 5,43,000-00 (yet of release)
8	Expenditure incurred Status	-
9	Status	
	Crops covered	Grape
	No of farmers involved	1
	Name & Address of certifying agency	-
	Whether any certificate issued	-

Beneficiary No.6
Area Expansion / Rejuvenation

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Udaykumar S/o Basavaraj
2	Total land available with the beneficiary (ha.)	2 ha.
3	Crop Cluster under which covered.	Chrysanthemum, Local variety
4	Name & Variety of crop planted	Chrysanthemum, Local variety
5	Source of planting material	Local variety
6	Number of planting	
7	Number of plants planted / rejuvenated	
8	Date of plants which survived (also indicate percentage survival)	
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs. 12,000-00
10	Amount paid and date of payment	
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore 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	Local Market
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot; Very good / Good / Average / Poor	-
21	Any other relevant observation by the JIT	-

Beneficiary No.7
Area Expansion / Rejuvenation

Sl.No.	Details	Remarks
1	Name & Address of Beneficiary whose field visited.	Chandrika W/o Santosh Kulkarni
2	Total land available with the beneficiary (ha.)	
3	Crop Cluster under which covered.	Banana
4	Name & Variety of crop planted	Banana, G-9
5	Source of planting material	Cadilla Company
6	Number of planting	4000-00
7	Number of plants planted / rejuvenated	4000-00
8	Date of plants which survived (also indicate percentage survival)	
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs. 12,480-00
10	Amount paid and date of payment	37,440-00
11	Mode of payment	NEFT
12	Source of irrigation water (Bore well / Tube well / Cane)	Bore well
13	Whether Drip / Sprinkle System in use	Drip
14	Other inputs provided	-
15	Whether assistance available for Organic Farming	-
16	If so, area covered	-
17	Assistance available	-
18	Available marketing facility for the crop	-
19	Other infrastructure available in the vicinity	-
20	General upkeep of the plot; Very good / Good / Average / Poor	-
21	Any other relevant observation by the JIT	-

Beneficiary No.8
Area Expansion / Rejuvenation

Si No	Details	Remarks
1)	Name & address of Beneficiary whose field visited	Makim Bee w/o Lal Ahmad
2)	Total Land available	1 ha
3)	Crop Cluster	Nelogi
4)	Name & Variety	Lime , Local
5)	Source Of Palanting Material	Indi
6)	Number of planting Material	270
7)	Numbe of Plants Planted rejuvenated	270
8)	Date of plants which survived	100%
9)	Total amount of subsidy	6450/-
10)	Amount paid and date of payment	6450/-
11)	Mode of payment	NEFT
12)	Source of Irrigation Water	Bore well
13)	Whether Drip/ Sprinkle system in use	Drip
14)	Other inputs provided	-
15)	Whether assistance available for Organic Farming	Neem oil
16)	If so area Covered	1 Ha
17)	Assistance Available	-
18)	Available marketing facility for the crop	Bijapur & Gulbarga
19)	Other infrastructure available in the vicinity	No
20)	General upkeep of the plot	-
21)	Any other relevant Observation by the JIT	-

Beneficiary No.9
Area Expansion / Rejuvenation

Si No	Details	Remarks
1)	Name & address of Beneficiary whose field visited	Lal Ahamad s/o Kashim sab
2)	Total Land available	0.8 ha
3)	Crop Cluster	Nelogi
4)	Name & Variety	Grape , Thomson seedless
5)	Source Of Palanting Material	Baba Nagar
6)	Number of planting Material	1800
7)	Numbe of Plants Planted rejuvenated	1800
8)	Date of plants which survived	100%
9)	Total amount of subsidy	18000/-
10)	Amount paid and date of payment	18000=00
11)	Mode of payment	NEFT
12)	Source of Irrigation Water	Bore well
13)	Whether Drip/ Sprinkle system in use	Drip
14)	Other inputs provided	-
15)	Whether assistance available for Organic Farming	Neem oil
16)	If so area Covered	0.8 Ha
17)	Assistance Available	-
18)	Available marketing facility for the crop	Bijapur & Gulbarga
19)	Other infrastructure available in the vicinity	No
20)	General upkeep of the plot	-
21)	Any other relevant Observation by the JIT	-

Beneficiary No. 10
Grape Dehydration Unit

Sl.No.	Details	Remarks
1	Name of the project	Grape dehydration Unit
2	Year of Implementation	2008-09
3	Project Period	6 months
4	Name of Implementing Agency	-
5	Location of Project	Babalad (IK)
6	Total Project Cost	-
7	Amount Released by DAC	Rs. 1,97,000-00
8	Expenditure incurred Status	-
9	Status	
	Crops covered	Grape
	No of farmers involved	1
	Name & Address of certifying agency	-
	Whether any certificate issued	-

Beneficiary No.11
Adoption of Organic Farming

Sl.No.	Details	Remarks
1	Name of the project	Adoption of Organic farming
2	Year of Implementation	2009-10
3	Project Period	3 yrs
4	Name of Implementing Agency	Bayalu Seeme Rural Development Society, Nellur, Gulbarga
5	Location of Project	Aurad, Bannur, Kumsi, Algud.
6	Total Project Cost	
7	Amount Released by DAC	
8	Expenditure incurred Status	
9	Status	
	Crops covered	Banana, Papaya, Vegetables
	No of farmers involved	51
	Name & Address of certifying agency	Apof, Bangalore.
	Whether any certificate issued	IC-1

Beneficiary No.12
IPM/INM Infrastructure
Plant Health Clinic

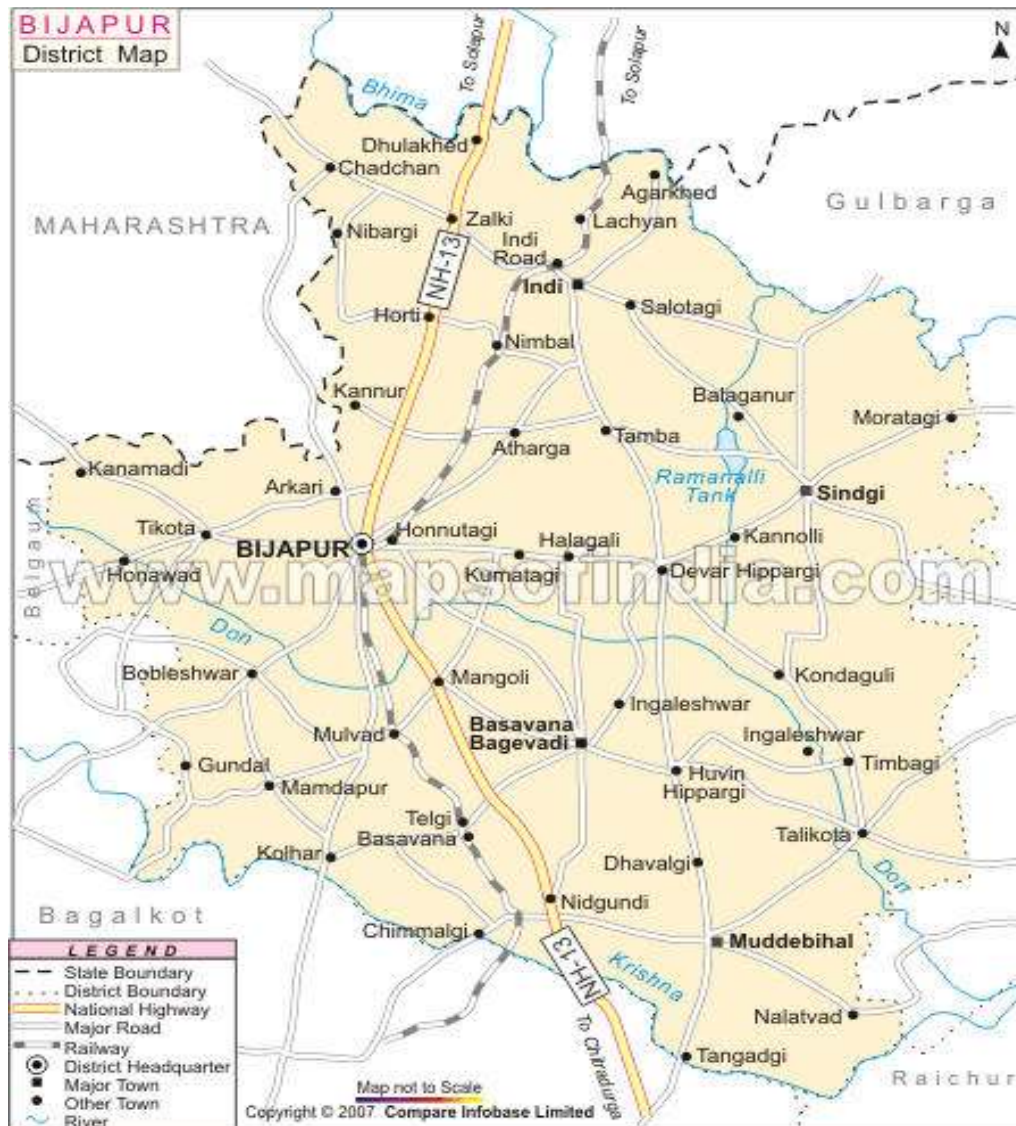
Sl No.	Details	Remarks
1	Name of the project	Plant Health Clinic
2	Year of Implimentation	2006-07
3	Project period	2006-07 to 2010-11
4	Name of Implementing Agency	National Horticulture Mission (NHM)
5	Location of Project	Krishi Vigyan Kendra, Gulbarga
6	Total project cost	20 lakhs
7	Amount Release by DAC	20 lakhs
8	Expenditure incurred	18,22,214/- (Annexure -I copy enclosed)
9	List of equipments procured	Annexure – II List enclosed
10	Whether trained manpower employed	Yes
11	Arrangements made to meet recurring cost	KVK budget will be utilized
12	Current status	
	Number of samples analyzed	226
	Rate of analysis per sample	
	Amount realized through analysis	
13	General condition of lab during the time of insepction	
14	Whether funds disbursed	

Observations :-

1. The cluster approach as per NHM guidelines is not being followed.
2. The farmers of Kamalapura Village in Gulberga district are interested in area expansion of Red Banana. The farmers are demanding financial assistance for stakes for supporting the banana bunches against wind damage. Also they are demanding transport and marketing facilities.
3. Farmers are very happy with the advantages of biodigester units supported under NHM.
4. The construction of APMC fruit and vegetable market at Gulberga was completed one year ago with financial support of NHM to the extent of 1.75 crores. This has not been put to use so far. The approach road to the main entrance is not complete. The sign board is only a flexi banner without NHM logo.
5. Plant Health Clinic at KVK Gulberga is functioning well with regard to training of farmers as well as management of pests and diseases.
6. Farmers samples are being analyzed with regard to pests and diseases at Plant Health Clinic, KVK Gulberga. The diagnosis and remedial report is being given to the farmers but ,thereafter, feed back from the farmers is not being obtained.
7. Dehydration unit for grapes supported under NHM is helping the farmers in getting higher income as the farmers are using this unit, whenever, the rates for green grapes are very low in the market.



DISTRICT : Bijapur



Geography

Bijapur is one of the largest districts in Karnataka and has an area of 10541 sq Km. Consisting 5.49% of the area of the state. It is nearly 580 Kms from the state capital Bangalore. It lies between 15x50 and 17x28 North Latitude and 74x54 and 76x28 East Longitude. The district is bounded by Solapur district on the north and Sangli on the north-west (both of Maharastra state), by the district of Belgaum on the west, Bagalkote on the south, Gulbarga on the East and by Raichur on the south-east. Thus, it is a land-locked district on the northern boundary of Karnataka.

Bijapur district is accessible by both highways and rail. The National highway 13 passes through the district in the eastern and central parts. Via Muddebihal and Bijapur. The

taluka towns are well connected by state highways and district roads. The railway line connecting Solapur in Maharashtra and Hubli passes through the center of the district, via Indi and Basavan Bagewadi.

Bijapur district consists of 5 Taluks viz Bijapur, Basavana-Bagewadi, Indi, Muddebihal and Sindgi.

Rainfall

There are 34 rain gauge stations in Bijapur District. The average annual rainfall for the district is 552.8 mm with 37.2 rainy days. The monsoon generally breaks in the district during June and lasts till October. The highest mean monthly rainfall is 149.2 mm in the month of September and lowest is 3.4 mm in February. The annual rainfall variation in the district is marginal from place to place. Of the total geographical area of 10.53 lakh ha . 7.76 lakh ha. Is available for cultivation which is 74% of the total area, while area under forest account for only 0.19% of the total area. Only 17.3% of the net cultivable area is irrigated and balance 82.7% of the area has to depend on monsoon.

Agriculture

The cropping pattern in the district reveals that food crops like jowar, maize, bajra and wheat among cereals, red gram, Bengal gram and green gram among pulses are major crops cultivated in the district. The major oilseed crops are sunflower, groundnut and safflower. Horticulture crops like grapes, pomegranate, ber, guave sapota, lime are also grown. Recent trend shows that there is a low shift towards fruit crops like Pomegranate and grapes of the total area of 8.61 lakh ha. Covered during 2002-03 cereals occupy about 55.2% by oilseeds 24.5% pulse 15.6% and other commercial crops like cotton and sugarcane about 4.8% There is slight shift towards commercial crops like cotton and sugarcane over last 2 years.

The land holding pattern in the district indicates that small and marginal farmers account for 4% of total land holdings and 0.6% of the total land, semi-medium for 27.5% with 10.1% of total land while 68% of the holdings are above 2ha. Accounting 89.3% of land.

Horticulture Sector

Horticultural crops in the district are being grown in an area of 46884 ha with annual production of 846012 MT. out of which grape constitute 7208 ha, lime-4539 ha, pomegranate-840 ha, banana- 785 ha, onion- 1721 ha, tomato- 1910 ha & chillies- 1284 ha. Presently, lime is grown in an area of 4539 ha and still area under lime is increasing.

In grapes, Thompson seedless variety is grown for fresh market as well as resins. In the district 270 resin making units are working to reduce market glut during season and produce around 20000 MT resins.

Field Visit
Beneficiary No. 1
Pack House

Sr. No.	Details	Remarks
1	Name of farmers	Revanasidda Siddaray Bagalkot Sy No: 374/2 At post: Siddapur K. Tq: dist: Bijapur
2	Name of crop	Grapes and other horticulture Cultivation
3	Availability of lands	100 Tonns Grape fruits from 5.00 Acres Own land, bering Sy No; 374/2 7 114/1
4	Name of the project	Pack House
5	Year of Implementation	2010-11
6	Project period	2010-11
7	Name of implementing Agency	SADH (ZP) BIJAPUR under NHM Scheme
8	Location of project	Siddapur K
9	Total Project Cost	350000/-
10	Subasy Amount	150000/-
11	Expenditure incurred status	350000/-
12	Current status of project	Good
	*Dimension (LxBxW)	12m L, 5 W, 4H (240 Sqm)
	*Whether funds disbursed	Dena bank, Bijapur

Beneficiary No.2

Sr. No.	Details	Remarks
1	Name of the project	Community tank
2	Year of implementation	2008-09
3	Project period	2008-09
4	Name of implementing agency	SADH (ZP) BIJAPUR under NHM
5	Location of project	Siddapur K (SD Hatti)
6	Total project cost	34,72,400/-
7	Amount released by DAC	732174/-
8	Expenditure incurred status	34,72,400/-
9	Current status of project	Good
	*Dimension (LxBxW)	170 x 45 x 3 m
	*Capacity	(30,000 Sqm)
	*Command Area	65.69
	*Whether linked with new plantation or old plantation	Old and New plantation
	*Whether funds disbursed	Corporation Bank Nehru Road, Bljapur

Beneficiary No.3

Sr. No.	Details	Remarks
1	Name & address of Beneficiary whose fields visited	Smt Sanmati Jayapal Kusnal At post: Babanagar Tq: Bijapur
2	Total land available with the beneficiary (ha)	0.40 he
3	Crop cluster under which covered.	Grape
4	Name of variety of crop planted.	Thamson seed less
5	Source of planting material	Local
6	Number of planting material	870
7	Number of plants planted/	870
8	Date of plants which survived (also indicated percentage survival).	2010-11
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	12000
10	Amount paid and date of payment.	Rs. 9000 Date : 27.08.2011
11	Mode of payment.	On Account pay
12	Source of irrigation water (Bore well/ Tube Well/ Canel)	Bore well
13	Whether Drip/Sprinkle system in use.	Drip irrigation
14	Other inputs provided	P.P. camicals & Organic mannure
15	Whether assistance available for organic farming	No
16	If so, area covered	"
17	Assistance available	"
18	Available marketing facility for the crop	Local and out of state
19	Other infrastructure available in the civinity.	-
20	General upkeep of the plot; very good/ Good /Average/ Poor.	Good
21	Any other relevant observation by the JIt	

Beneficiary No.4

Sr. No.	Details	Remarks
1	Name and address of beneficiary whose fiels visited.	Shri Javed Mousa Hebbalattikar Sy No: 684/3 At: Post Tikota Tq: Dist Bijapur
2	Total land available with the beneficiary (ha)	2.40 ha
3	Crop cluster under which covered.	Grape
4	Name & variety of crop planted	Thamson seed less
5	Source of planting material	Local
6	Number of planting material.	5220 No
7	Number of plants planted/	5220 No
8	Date of plants which survived (also indicated percentage survival).	2009-10
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	27000/-
10	Amount paid and date of payment.	Rs. 27000 Date; 07.10.2011
11	Mode of payment.	On account pay
12	Source of irrigation water (Bore well/ tube well/ canel)	Bore well
13	Whether drip/ sprinkle system in use.	Drip irrigation
14	Other inputs provided	P.P. Camicals & Organic Mannure
15	Whether assistance available for organic farming	No
16	If so, area covered	"
17	Assistance available	"
18	Available marketing facility for the crop	Local and out of state
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

Sr. No.	Details	Remarks
1	Name of the project	Proposed horticultural online trading building under NHM plan at APMC Bijapur.
2	Year of implementation	Work order to the contractor Shri: C.S. Patil is issued on 5-01-2009 (2007-08)
3	Project period	12 months period (Excluding rainy season) Completion period will be on 31-08-3011.
4	Name of implementing agency	APMC. Bijapur Through the P.W.D. class.I contractor Shri: C.S. Patil Bijapur.
5	Location of project	Station road behind R ambedakar stadium infromt of new lokaukta office bijapur.
6	Total project cost	Estimated cost : 250 Lakhs (2) amount put to tender : 23049678-00.
7	Amount released by DAC	Deputy director of horticulture. Has released Rs. 31.25 Lakhs to this office on 16-06-2011 through the cheque
8	Expenditure incurred	Rs 18164862-00.
9	Status	
10	Size of marker in term of area	1 Acres 8 Guntas
11	Facilities created	<ul style="list-style-type: none"> Automatic sorting system display mechanism Providing banana, repining, unit of 2 MT capacity per day. Providing comprehensive building for sorting system for colour and size automatically by computerized method Providing pack house with crates and coolears providing office space for minimum 11 traders inshort 30 traders in long run in first floor complex Provide secured storage cum display yard for fresh produce for auction in ground floor about 50 farmers Provide display mechanism for sample of lots for auction Provide computerized auction room with searing capacity for 50 traders and 50 farmers in is short term and long term Auction room seats for traders to be computer enabled for participation in auction and be linked to bank account for instant debets of their accounts once auction is concluded Concrete roads and landscape

12	Commodities sold	Horticultural commodities like grapes, dry grapes, lemon, and pomegranate.
13	Approachability	Beside the indoor stadium through way to new lokayukta office.
14	Condition of market	Near completion, after completion when it starts functioning condition of market will be good, and very soon it will be develop.
15	Whether funds disbursed to agency	Yes, out of subsidy amount Rs 62.50 the deputy director of horticulture. Has released Rs 31.25 lakhs to this office on 16-06-2011 through the cheque

Beneficiary No.6

Sr. No.	Details	Remarks
1	Name of the project	Proposed improvements to fruits and vegetable market in the main market yard by APMC bijapur under NHM scheme.
2	Year of implementation	2008-09 work order to the contractor shri C.S. Patil is issued on 10-03-2011
3	Project period	6 months including rainy season.
4	Name of implementing agency	APMC bijapur through the P.W.D. class I contractor shri C.S. Patil bijapur.
5	Location for project	APMC bijapur main market yard, indi road bijapur
6	Total project cost	Estimated cost Rs: 200 lakhs Amount put to tender Rs: 29676686-94 Sanctioned tender amount Rs: 36361868-48
7	Amount released by DAC	Nil
8	Expenditure incurred	Nil the contractor has collected the materials to start the work
9	Status	
10	Size of market in term of area	5 Acres
11	Facilities created	Fruits and vegetable shops 15 No' Concrete roads and drains Additions and alterations to covered platforms Construction of compound wall and arch gate Construction of RCC over head tank water supply distribution ETC. Rain water harvesting and vermin pits Electrification (Providing street lights and solar lights and shops internal electrification) At bijapur city.
12	Commodities sold	Fruits and vegetables
13	Approachability	Bijapur main market yard indi road bijapur
14	Condition of market	Fruits and vegetables trade is regularly going on in the main market yard bijapur.
15	Whether funds disbursed to agency	Nil

Observations:-

1. The construction of online trading building for Horticulture Produce at Bijapur with a financial assistance of Rs 62.5 Lakh under NHM is in progress. The construction is expected to be completed in another 4-5 months.
2. In this district, three units of community tanks supported under NHM were visited in villages namely : Tikoda, Somdeveddy and Siddapur K. These have proved very useful for the beneficiaries for the cultivation of grapes.
3. The pack house for grapes in Village Somdev Reddy has greatly benefitted the beneficiary.



Proceedings of the Wrap-up meeting of Joint Inspection Team (JIT) held on 06.08.2011 in the office of the Mission Director and Director of Horticulture, Lalbagh, Bangalore (Karnataka).

Members present:

1. Mission Director and Director of Horticulture, Bangalore (Karnataka)
2. Dr.H.V.L.Bathla, Chief Consultant, NHM,GOI.
3. Director, Directorate of Arecanut and Spices Development, Calicut.
4. Director, Directorate of Cashew and Cocoa Development, Cochi.
5. Dr.R.Krishna Manohar, Principal Investigator (PFDC), UAS, Bangalore.
6. Dr.R.Jayaprakash, Executive Director, KSHMA, Lalbagh, Bangalore.

At the outset, the Mission Director welcomed the JIT members. The Joint Inspection Team under the leadership of Dr.H.V.L.Bathla, Chief Consultant, NHM, GOI visited Bidar, Gulbarga, Bagalkot, Bijapur and Dharwad districts of Karnataka State from 1st to 5th of August 2011. During the wrap-up meeting held on 6th August 2011 with the Mission Director and Director of Horticulture, Lalbagh, Bangalore and after detailed interaction, the points enunciated in the meeting are as follows.

1. The opinion of the JIT is that the overall implementation of the scheme in the State is satisfactory. However, the cluster approach is followed in some places and it has to be strengthened.
2. They were of the opinion that in some places even though NHM sign board is there, NHM logo is missing. Display of NHM logo should be ensured in all the cases where NHM assistance is given.
3. While giving assistance to pack houses, its effective usage for the said purpose should be ensured.
4. The ripening chambers assisted under NHM should be farmer friendly. SHM should evolve a mechanism to fix the price for the produce to be placed for ripening by the farmers in these ripening chambers.
5. The on-line trading mechanism developed at the Bijapur APMC market is very effective and it should be followed in the Gulbarga APMC market also. The markets assisted under NHM should start functioning soon.
6. While there is good scope for rejuvenation in Dharwad district, the recommended rejuvenation technique given by the Department of Horticulture to all the DHO's is not being followed. This should be ensured that recommended rejuvenation technique is used.
7. The JIT while appreciating the usage of bio-digesters, opined that there is a need to promote this in other States also. They requested to send a note on the usage, methodology and qualitative and quantitative aspects of bio-digesters, so that this can be promoted in other States.

8. On the whole, implementation of community water storage structures is good and they are well maintained in Bijapur district.
9. The medicinal properties of Kamalapur banana should be ascertained by testing it before promoting it for its medicinal properties.
10. The Department should impart more technical guidance to the farmers.

Mission Director and Director of Horticulture while discussing the issue of availability of good planting material, said that in case of Cocoa the only accredited nursery available in the State is at CPCRI, Vittla, Dakshina Kannada. Since, all the cocoa growers cannot afford to purchase the planting material from Dakshina Kannada, the nurseries in Shimoga are making the plants available to the growers after producing the plants from the pods procured from CPCRI, Vittla. The Mission Director requested Director, DCCD to arrange to inspect these nurseries for their genuinity.

Recommendations:-

1. **In area expansion programme for different horticulture crops, there is a need to follow cluster approach.**
2. **Signboard with NHM logo need to be displayed, wherever, financial support has been given.**
3. **The financial support for Bio-digester is being given only in the State of Karnataka. These need to be evaluated for nutrient availability as well as its beneficial effects on controlling pests and diseases.**
4. **In view of the huge financial support of NHM for establishing APMC markets in different districts, efforts are needed to start functioning of the markets without undue delay and the interest of the farmers need to be safeguarded.**
5. **The information pertaining to the farmers , samples analyzed, diagnosis made and remedial measures suggested by the Plant Health Clinics along with the feedback of the farmers, thereafter, need to be documented.**
6. **The State Horticulture Mission must ensure that activity for which financial support under NHM has been provided has started functioning before releasing the final installment.**
7. **The scientific techniques recommended and already tested for rejuvenation of Mango Orchards need to be followed.**
8. **More training / exposure visit need to be arranged for transfer of technology.**