

Joint Inspection Team (JIT) Report of Mission for Integrated Development of Horticulture (MIDH) for Odisha State



INDEX

Sl.No	Topic	Page No.
1.	General Observation of JIT	3
2.	Introduction	4
3.	Field Visits	
(i)	Visit to Dhenkenal District	7
(ii)	Visit to Keonjhar District	18
(iii)	Visit to Mayurbanj District	33

Dates of Visit: 08.09.2014 to 12.09.2014

Team Members:

1. Smt. Anuradha Vemuri, Additional Commissioner (MIDH) Ministry of Agriculture, Govt. Of India, New Delhi
2. Dr. H V L Bathla Chief Consultant (MIDH) Ministry of Agriculture, Govt. Of India, New Delhi.
3. Shri. R.K. Chawla, Section Officer (MIDH) Ministry of Agriculture, Govt. Of India, New Delhi.
4. Dr. J.N. Das, Associate Prof. Horticulture OUAT, Bhubaneswar,
5. Prof. Dillip Kumar Dora Professor & PI, PFDC, Department of Vegetable Science, Odisha University of Agri & Technology, Bhubaneswar.
6. Dr. Homey Cheriyan, Director, Directorate of Arecanut and Spices Development, Calicut, Kerala.
7. Mr. Venktesh Hubli Director, DCCD, Kochi, Kerala
8. Shri D.P Sarangi, Representative SHM, Odisha State

General Observations/Recommendations:

1. Establishment of new plantation of fruits in clusters of tribal groups under MGNREGS along with the convergence of other schemes like NMMI for supplementation of drip irrigation and plastic mulching under MIDH deserves great appreciation. Now, the State Horticulture Department need to see that the good work started yields good results by ensuring that irrigation is made available in all such clusters, the man power required for pruning specially of mango orchards is deployed and pruning done at the appropriate time. Market linkage and processing also needs to be looked into urgently.
2. Farm ponds supported should be located at proper level and have reasonable catchment area to ensure better harvesting of rain water.
3. Farmers, especially with small holdings, need to be given training in the production technologies of the crop under cultivation.
4. Sign boards with NHM logo need to be fixed for different activities.
5. Beneficiaries availing support under NMMI need adequate training to ensure post installation maintenance. Training on fertigation scheduling and application is also required.
6. In areas established with rubber plantations, ginger and turmeric can be cultivated as inter crops in the initial years.
7. MIDH schemes to be popularized among small and marginal farmers also.
8. Implementation of schemes for protected cultivation to be reviewed in terms of structure used, crops recommended etc., as the establishments inspected were not running profitably.
9. In case of polyhouses, there is a need to have some sort of agreement with the firms for maintenance of polyhouses for initial 2-3 years.

STATE: ODISHA

Introduction

Horticulture consisting of fruits, vegetables, spices, floriculture, root & tuber crops, mushrooms, medicinal & aromatic plants as well as plantation crops has emerged as a core sector in agriculture due to its substantial increase both in area and production. Today horticulture has established its credibility in improving income through increased productivity, generating employment and in enhancing export besides providing household nutritional security. The growing economic importance of horticultural crops especially fruits; vegetables and flowers could be attributed to the increasing demand arising from domestic as well as overseas markets. The increasing domestic demand could be attributed to the increase in income, population growth, changing consumption pattern and growing awareness for better nutrition. At national level horticulture sector has emerged as a potential player in the Indian economy contributing 30% to GDP in agriculture from more than 8.5% area under horticultural crops as well as a means of diversification in overall development of agriculture. The earlier seasonal availability of fruits and vegetables has now extended to all the year round, increasing the per capita consumption of fruits and vegetables. The national goal of achieving 4% growth in agriculture can be achieved through the major contribution in growth from horticulture.

One important trend observed in the last five years is that horticulture development has gradually moved out of its rural areas to urban areas and from traditional agricultural enterprise to the corporate sector. This trend has led to the adoption of improved technology, greater commercialization and professionalism in the management of production and marketing of different horticulture crops. The National Horticulture Mission Schemes have helped in exploring the horticulture potential of the State since 2005-06 as it provides scope for taking up a variety of components in areas of development of planting material, production and productivity improvement programmes, PHM and marketing.

Odisha is the 10th largest state in area and 11th in population in the country, accounting for 5% of the geographical area and 4% of the population of the country. The state has a geographical area of 1.56 lakh sq. km and population of 3.68 crores

as per 2001 census. Administratively the state is divided into 30 districts, 58 subdivisions, 314 CD blocks, 171 tahasils, 35 municipalities and corporations, 6234 gram panchayat and 11349 villages. Out of the total population, Scheduled Caste and Scheduled Tribes constitute 17% and 22% of the total population respectively. 85% of the population lives in rural area. Cultivators and agricultural labourers constitute 65% of the total workforce. The total literacy percentage is 63.08. The state is located in the eastern region of the country and spreads 450 kms along the Bay of Bengal.

Climate: The climate of the state is tropical, characterized by high temperature, high humidity, medium to high rainfall and a mild winter. The normal rainfall is 1482.2 mm distributed over 72 rainy days. South West monsoon contributes about 81-83 % of the annual rainfall in 53-57 days during June-September. The mean annual temperature of the State is 26.89⁰ C with mean annual maximum of 32.56⁰ C and mean annual minimum of 21.30⁰ C.

Soil : From the physio-graphic point of view, the State consists of four Zones, viz. (i) Northern Plateau (ii) Eastern Ghat zone (iii) Central Table lands, and (iv) Coastal plain zone. However, on the basis of climate, soil, rainfall, topography and crops suitability, the state has been divided into ten Agro- Climatic zones. The soil types differ widely from highly acidic to slightly alkaline and from light sandy to stiff clays. The soils are mainly acidic with the degree of acidity varying widely. Further, about 4 lakhs hectares are exposed to saline inundation, 3.54 lakh ha. to flooding and 0.75 lakh ha. to water logging particularly in the deltaic areas.

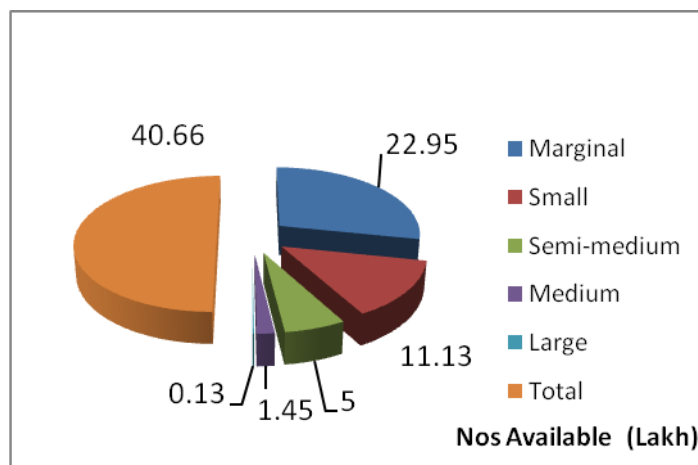
Potential for Horticulture: The agro-climatic diversity in the State with its high rain fall distributed over a four-month monsoon and a reasonably moderate winter allows for growing a variety of horticultural crops. The agro-climatic conditions are immensely suitable for perennial fruit crops like mango, litchi, guava, oranges and limes; annual fruit crops like banana, pineapple and papaya ; spices like ginger, turmeric and chilly, a variety of roots and tubers and a whole range of vegetables. The low-temperature hilly areas at higher altitude offer ideal conditions for growing off-season vegetables. Of late floriculture is also showing excellent prospects. The State thus enjoys a natural comparative advantage for horticulture with possibilities

for growing a diversified basket of fruits, vegetables, spices, tubers and flowers; whose potential has not been fully exploited.

Farming structure: According to the agricultural census there were 40.66 lakh operational farm holdings occupying 50.81 lakh ha with an average land holding of 1.25 ha the marginal and small farmers constitute 85% of the farmers who have access about 50% of the operational area. Thus the remaining 50% is occupied by only 15% of landholders as depicted.

NUMBER AND STRUCTURE OF FARM HOLDINGS

Category of farmers	Holding size (ha)	Nos (Lakh)	Area (Lakh ha)
Marginal	< 1.0	22.95	11.55
Small	1.0-2.0	11.13	15.44
Semi-medium	2.0-4.0	5.00	13.44
Medium	4.0-10.0	1.45	8.18
Large	> 10.0	0.13	2.20
Total	1.25	40.66	50.81



FIELD VISITS

A. Udyan fresh

1. The quality of the produce at outlet of Udyan fresh was not upto the desired level.
2. The hygienic condition of the cold room constructed in the Udyan Fresh outlet need to be improved.

B. Vegetable cart

Online delivery of vegetables has been initiated through vegetable cart. Efforts need to be made to make use of the infrastructure created under NHM very effectively. Sign board along with NHM logo need to be displayed prominently to create awareness among the large community of farming.

District: Dhenkanal



Introduction

It is surrounded by Keonjhar District in the North, Angul in the West, Cuttack in the South & East direction. The rivers Brahmani & Sapua flow in the District.

The agro climatic condition of the District is favourable for growing different fruit crops like Mango, Jack fruit, Cashew, Banana, Guava etc, & vegetable cultivation. At present around 48000 hector is under Horticulture which is about 12 % of total Geographical area of the District. The District is blessed with River Brahmani & Sapua flowing in the District. The soil of the District is mostly Red laterite, Sandy loam, Alluvial in nature. Due to the soil characteristics fruit crops like mango & Cashew are the major crops of the District. The District has well connected road and train facilities. District has got potentiality for production of planting materials both in public sector & private sector. But due to lack of proper marketing network the farmers of the District do not get higher price out of selling of Horticultural produces. Introduction of floriculture has already been effected since last 5 years but the crop has not yet been familiarised fully now due to lack of wholesale market & cold storage facility etc. Still after execution of different scheme under NHM special drive has been taken for extension of area under different fruit crops like Mango, Cashew, Banana, Flower since 2006-07. Nearly 38087 hectares area is under vegetable cultivation followed by fruit crops and spices.

District Profile

(Area in ha.)

1	Geographical Area	430477 ha.
2	Forest land	1445 sq km.
3	Cultivable area	183841 (43%)
a	High Land	91321 (50%)
b	Medium Land	52184 (28%)
c	Low Land	40336 (32%)
4	Land not available for cultivation	(As per FCI Report 2001)
	(A) Non Agriculture	22000 ha.
	(B) Barren	6000 ha.
5	Cultivable waste land	22000 ha.

6	Permanent posture	10000 ha.
7	Trees & Groves	6000 ha.
8	Fallow land	21000 ha.
9	Others	5000 ha.

No. of Blocks	-	8
No. of G.P..	-	199
No. of Villages	-	1215
No. of Sub – Division	-	3

No. of farmers- Category wise

1	Small farmers	39823
2	Marginal farmers	50726
3	Big farmers	17788
4	Agricultural labourer	122000

Average Rain Fall - 1428.8 mm

No. of Rainy Days - 67

INFRASTRUCTURE AVAILABLE IN THE DISTRICT

Nurseries

Sl. No.	Sector	No. of nurseries.	Availability of QPM (Nos.)
1	Public	5	Mango – 1,59,789 Cashew – 2,27,000
2	Private	36	Mango – 13,61,000 Cashew – 1,99,000

Existing infrastructure under PHM.

1. Cashew Processing Unit. - 20 Nos.
Capacity - 182 Qtl. Per day.
2. Cold Storage Unit. - 3 Nos. in defunct condition.
3. Pack House. - 13 Nos. (19 Nos. in construction stage)
4. Small Scale preservation Unit. -2 nos.

Field Visits

Beneficiary No. 1 Post Harvest Management

SI No.	Detail	Remarks
1	Name of the project	Refrigerated Van
2	Year of implementation	2013-14
3	Project period	1 year
4	Name of the beneficiary	Dhenkanal Fruits and Vegetable Marketing Company Limited.
5	Location of the project	Gobindpur, Dhenkanal
6	Total project cost	24.00 lakhs
7	Amount released & date	9.60 lakhs March 2014
8	Expenditure incurred	24.00 lakhs
9	Status	
	Capacity of unit	6 Ton
	Commodity	Fruits & Vegetable
	Equipments purchased	Yes
	Condition of infrastructure	Good
	Whether NHM logo displayed	Yes
	Whether funds disbursed to agency	Yes

Observations:

Refrigerating van has already been purchased and remaining infrastructure for marketing of the produce, storing & packaging unit is in progress.

Beneficiary No. 2 Rural Market / Retail outlet

SI No.	Detail	Remarks
1	Name of the project	Retail outlet
2	Year of implementation	2013-14
3	Project period	1 year
4	Name of the implementing Agency	Dhenkanal Fruits and Vegetable Marketing

		Company Limited
5	Location of the project	Gobindpur, Dhenkanal
6	Total project cost	10.00 lakhs
7	Amount released & date	4.00 lakhs
8	Expenditure incurred	10.00 lakhs
9	Status	
	• Size of Market in terms of area	9mx6m
	• Facilities created	Yes
	• Commodities sold	Mango & Vegetable
	• Approachability	To the National Highway 55
	• Condition of market	Organised
	• Whether funds disbursed to Agency	Yes

Observations:

This activity is supported under RKVY and work is expected to be completed by December, 2014.

Beneficiary No. 3
Establishment of Bee Nursery Apis Cerena indica under RKVY 2013-14

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Saptasajya Govt. Farm
2	Total Land available with the beneficiary	
3	Total Project Cost	9.2 lakhs
4	Target for Establishment of Bee Colony	100 colony
	• Achievement	25 colony
5	Total expenditure	0.625 lakhs
6	Any other relevant observation by the JIT	

Observations:

Bee nursery is in good condition.

Beneficiary No. 4

Establishment of Mother Block of Mango under RKVY Scheme 2012-13 to 2014-15.

SI No.	Details	Remarks
1	Name of the site	Saptasajya Govt. Farm
2	Total Land available	10 ha.
3	Total Project Cost	28 .00 lakhs
4	Target for Establishment of Mother Block of Mango	1000 plants covering Commercial, Hybrid & Elite
	<ul style="list-style-type: none"> Achievement 	310 plants comprising Commercial, Hybrid & Elite (69 variety)
		Sinking of Bore Well 8'dia along with Drip Irrigation
5	Total expenditure	7.5 lakhs
6	Any other relevant observation by the JIT	

Observations:

69 Mango germplasm Bank planted inside Sapta Sajya farm taking 50 plants of each variety. Plants are in good condition..

Beneficiary No. 5

Mushroom Spawn Production Unit

SI No.	Detail	Remarks
1	Name of the project	Sai Mushroom Spawn Production Unit-cum-Training Centre, Dakhinkali Road, Dhenkanal
2	Year of implementation	2013-14
3	Project period	1 year
4	Name of the beneficiary	Smt. Anima Nayak
5	Location of the project	Dhenkanal
6	Total project cost	18,95,000
7	Amount released & date	9,00,000
8	Expenditure incurred	18,00,000
9	Status	
	Capacity of unit	2500 Spawn Bottle
	Commodity	Mushroom Spawn
	Equipments purchased	Incubator, Laminar Flow,

		Autoclave, Training Centre
	Condition of infrastructure	Very Good & well maintained
	Whether NHM logo displayed	Yes
	Whether funds disbursed to agency	Yes

Observations:

Sai Mushroom spawn production unit and Training Centre established by Mrs. Anima Nayak are doing well..

Beneficiary No. 6
Area expansion / Rejuvenation

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Basanta Behera, At-Gohirakhala, G.P.B.B. Kateni, Block-Dhenkanal Sadar
2	Total Land available with the beneficiary (ha)	3 ha.
3	Crop cluster under which covered	Cashew
4	Name and variety of the crop planted	Cashew (V4)
5	Source of planting materials	Maa Tarini Nursery, Madhapur
6	Nos. of planting materials	480 nos. (2.40 ha)
7	Nos. of plant planted / rejuvenated	480 nos. (2014-15)
8	Nos. of plants which survived (also indicate percentage survival)	470 nos. (97%)
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	Rs. 48,000.00
10	Amount paid and date of payment	-
11	Mode of payment	-
12	Source of irrigation water (Bore well / Tube well / Canal)	Well
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	Planting material
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	Cashew Processing Unit
20	General upkeep of the plot, Very good / Good / Average / Poor	
21	Any other relevant observation by the JIT	

Observations:

Shri Basanta Behra (2.4 ha) under NHM during 2014-15. Cashew plantation is in good condition. Beneficiary has planted V-A variety. However, Department should promote at least two varieties to enhance pollination & productivity.

Beneficiary No. 7
Production of planting material

SI No.	Details	Remarks
1	Name of the project	Model Nursery (Private Sector)
2	Year of implementation	2013-14
3	Project period	3 years
4	Name of implementing Agency	Rama Chandra Nayak, Lambodarpur, B.B. Kateni, Block-Dhenkanal Sadar
5	Location of project	Dhenkanal
6	Total project cost	25.00 lakhs
7	Amount released by DAC	2.00 lakhs
8	Expenditure incurred	5.00 lakhs
9	Status of project	
	<ul style="list-style-type: none"> • Name of nursery and crop for which plants are produced 	
	<ul style="list-style-type: none"> • Name of crops for which seeds produced 	Mango & Cashew
	<ul style="list-style-type: none"> • Quantity produced 	
	<ul style="list-style-type: none"> • Quantity sold 	
	<ul style="list-style-type: none"> • Rate 	
	<ul style="list-style-type: none"> • Amount realized through sale 	
	<ul style="list-style-type: none"> • Whether NHM logo displayed 	Yes

Observations:

Model Nursery by Sh. Rama Chandra Nayak during 2013-14 under NHM . The scion bank of mango & cashew is well established and the nursery infrastructure yet to be constructed. It is also suggested to maintain the mother plants height within 4-6 ft.

Beneficiary No. 7
Area expansion / Rejuvenation

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Smt. Rasmita Das, W/o-Manas, Bimbol, M.S. Patana, Block-Dhenkanal Sadar
2	Total Land available with the beneficiary (ha)	2 ha.
3	Crop cluster under which covered	Cashew 2013-14
4	Name and variety of the crop planted	V4
5	Source of planting materials	Soubhagya Farm
6	Nos. of planting materials	400
7	Nos. of plant planted / rejuvenated	400
8	Nos. of plants which survived (also	400

	indicate percentage survival)	
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	40,000 (3yrs)
10	Amount paid and date of payment	10,600+13,000
11	Mode of payment	RTGS
12	Source of irrigation water (Bore well / Tube well / Canal)	Bore Well
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	Planting material
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	Cashew Processing Unit
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 the beneficiary whose field visited	Ghanashyam Padhi, Nayabhagirathipur, M.S. Patana, Block-Dhenkanal Sadar
2	Total Land available with the beneficiary (ha)	24.2 ha.
3	Crop cluster under which covered	4 ha. Mango (Ultra High Density)
4	Name and variety of the crop planted	Dasheri
5	Source of planting materials	EVA Nursery
6	Nos. of planting materials	6400
7	Nos. of plant planted / rejuvenated	6400
8	Nos. of plants which survived (also indicate percentage survival)	6300
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	Rs. 1,60,000 (3yrs)
10	Amount paid and date of payment	Rs. 32,000+24,000
11	Mode of payment	RTGS
12	Source of irrigation water (Bore well / Tube well / Canal)	Bore Well
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	Planting material
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	

Observations:

Ultra high density mango plantation os Shri Ghanshayam padhi (4ha) under NHM during 2012-13.

The old plantation of mango needs effective regular pruning by the skilled labour.

Beneficiary No. 9
Area expansion / Rejuvenation

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Smt. Leena Padhi, W/o-Ghanashyam Padhi, Bhagirathipur, M.S. Patana, Block-Dhenkanal Sadar
2	Total Land available with the beneficiary (ha)	10 ha.
3	Crop cluster under which covered	Cashew
4	Name and variety of the crop planted	V4 Cashew
5	Source of planting materials	Soubhagya Farm
6	Nos. of planting materials	800 (4ha.)
7	Nos. of plant planted / rejuvenated	800
8	Nos. of plants which survived (also indicate percentage survival)	790
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	80,000 (3yrs)
10	Amount paid and date of payment	25,800+16,000+22,400
11	Mode of payment	RTGS
12	Source of irrigation water (Bore well / Tube well / Canal)	Bore Well
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	-
15	Whether assistance available for organic farming	-
16	If, so area covered	-
17	Assistance available	-
18	Available marketing facility for the crop	Local market
19	Other infrastructure available in the vicinity	Processing Unit
20	General upkeep of the plot, Very good /	

	Good / Average / Poor	
21	Any other relevant observation by the JIT	

Dhenkenal District Photographs



District Keonjhar



Introduction

Keonjhar is a land locked district with an area of 8240 Sq. Km. It is situated in the northern part of Orissa. It is surrounded by Singhbhum district of Jharkhand in the North, Jajpur in the South, Dhenkanal and Sundargarh in the West and Mayurbhanj and Bhadrak in the East. It lies between 21° 1'N and 22°10' N latitudes, between 85°11' and 86°22' longitude and at 480meter altitude.

BASIC INFORMATION OF KEONJHAR DISTRICT

No of Blocks	13
No. of G.P.s	286
No of Municipalities	04
No of villages	2133
No. of farm families	213444
S F	77,025
M.F.	1,03,016
B.F.	33,403
Total population(2001 census)	15.62 lakhs
Scheduled Caste	181488 (11.63%)

Scheduled Tribe	695141 (44.50%)
General Caste	685361 (43.87%)
Population Density	188/Sq.Km.
Total No. of BPL families	238564
Total Geographical Area (Hect.)	8,31,000
Total cultivated Area (Hect.)	2,97,873
High	1,58,653
Medium	99,832
Low	39,388
Total Fruit Area (Hect.)	19,345
Average Rainfall	1487.7 mm
Irrigated Area Kharif 2007(Hect.)	68884
Rabi 2007-08 (Hect.)	33572
Altitude	450-900 meters from M.S.L.

Geography :

The National Highway-215 passing through Keonjhar approximately bi-sects the district in to two similar natural regions. To the east of this Highway are the planes of Anandapur and a portion of Sadar Sub-division. To the West is a range of the lofty hills which contains some of the highest peaks of Orissa namely Gandhamardan (3477ft.), Mankadanacha (3639ft.), Gonasika (3219ft.) and Thakurani (3003ft.). About half of the area of this district spreading about 4043 Sp. Kms. is covered by forests of Northern tropical moist deciduous type and contains Sal, Asan, Piasal etc. The river Baitarani comes out of Gonasika Hills and flows to the north touching the border of Singhbhum district of Jharkhand. It again flows East entering Anandapur Sub-division and the district of Bhadrak. The soil is mostly red throughout the district and in the south there is a small patch of black cotton soil. The important minerals available in huge quantity in the district are Iron-ore, Manganese and Chromites.

Soil Type :

a) Lateritic Soil-(PH-5.5 to 6):	Telkoi,Patna,Champua,Joda,Bansapal. Ghatagaon,Keonjhar,Joda,HCPur
b) Red and Yellow Soil-(PH-6.5 to 7.5)	Telkoi,Keonjhar,Joda,
c) Mixed Red and Black Soil	Jhumpura,Champua

Topography:

The district consists of a compact area and its extreme length north to south is nearly 145km. The average breadth from East to West is about 65km. It is divided into two widely dissimilar tracts-the lower Kendujhar and the upper Kendujhar. The former is a region of valleys and low lands, while the latter includes mountainous highlands with a general slope from North to South. The highlands consisting of clusters of rugged crags afford a safe retreat to its inhabitants in troubled time. The mountaintops appear from the low lands to be sharply ridged or peaked, but reality the have extensive tablelands on their summits, fit both for pasture and for tillage.

The average elevation in its central part is about 500m. At places, isolated bills rise abruptly from the plains. But most of the areas have a general elevation of over 600m. which forms the watershed of some river. The Baitarani River takes its rise in the hilly North Western division. In between these two natural divisions passes the state highway from Chainbasa to Jajpur Road through the headquarters Kendujhargarh.

Climate:

The climate of the district is characterized by an oppressively hot summer with high humidity. Summer generally commences in the month of March. Temperature begins to rise rapidly attaining the maximum in the month of May. During the Summer maximum temperature is 38.2⁰C. The weather becomes more pleasant with the advent of the monsoon in June and remains as such up to the end of October. The temperature in the month of December is lowest i.e. 11.7⁰C. Sometimes it even drops down to 7⁰C.

Average Annual Rainfall	1499.53/1400 mm
Av. no of Rainy days	77.8days
Pattern of rainfall	
June to September	80%
October to January	6%
February to May	14%
Altitude from M.S.L.	50m to <600m

Land Utilization pattern:

a)Cultivated area:	297873 ha
b)Forest area:	403680ha,48.6% of total area
c)Area under fruits,vegetables and spices:	40,000 ha (4.8%)
d) Cultivable highlands:	1,55,000 ha
e) Cropping Intensity	126%

Size of Holdings:

Less than 1 ha	59388 ha (19.94% of total land with 48.3% of population)
Between 1-2ha	123161ha (41.35% of land with 36% of population)
Above 2ha	115322ha(38.71% of land with 15.7% of population)

Irrigation in Ha. :

Net Irrigated Area	71000
By Channels (Major, MIP, RL etc)	52905
By dugwells/STW	8816
By other sources	9415

Scope for Horticulture Sector:

The agro-climatic condition, altitude and soil type of Keonjhar district provides a congenial atmosphere for growing a wide range of horticultural crops. The district, being the watershed of river Baitarani and its tributaries, has a total cultivated area of 298000 ha out of which highland constitutes 53% while medium and low land constitute 34% and 13% respectively. Most part of the high land is endowed with deep and well drained soil. This vast tract of land holds high potential for horticultural crops.

Over the past few years, mango plantation under various departmental and non-departmental programmes like EAS, JRY, IJRY, IDH and also under ITDA scheme have been taken up by the Horticulture department covering more than 9000 ha. Farmers are getting very good returns from mango crop. Similarly, cultivation of vegetables as well as off-season vegetables has proved to be quite remunerative to the farmers. In order to provide a fillip to the horticultural production, the district has been included for implementation of programmes under National Horticulture Mission since 2005-06.

POTENTIAL FOR FRUIT AND VEGETABLE CROPS IN DIFFERENT BLOCKS

Blocks	Crop usually / that can be grown
Anandapur, Hatadihi, Ghasipura	Coconut, Cashew, Papaya, Banana, Pineapple, Brinjal, Cucumber, Cole crops, pointed Gourd, Chilli, Coriander, Onion etc.
Keonjhar, Jhumpura, Champua, Patna, Ghatagaon, Saharpada	Mango, K. Lime, Guava, Banana, Papaya, Seasonal Vegetables, S. Potato, Turmeric, Off-Season vegetables
Telkoi, Harichandanpur	Mango, Tomato, Banana, Cauliflower, Beans, Radish, Sweet Potato, Yam, Turmeric etc.
Joda, Bansapal	Mango, Guava, K. Lime, Tomato, Cauliflower, Beans, Radish, Sweet Potato, Yam, Turmeric, Ginger etc.

INFORMATION ON FARM/NURSERY (PUBLIC SECTOR)

Sl No.	Name of the Farm/ Nursery	Location	Area (in ha.)	Existing Mother Plants	Potentiality for production of QPM	QPM produced during 2013-14
1.	Kuanr Farm	At/PO: Kuanr Block-Banspal (On NH-6)	112.39	Mango-1793 Litchi-21	Mango-10000 Litchi-10000	Mango-10000 Litchi-10000

				Guava-1020		
2.	Taramakanta Farm	At/PO: Taramakanta Block-Banspal	20.00	Mango-600 Guava-1500	Mango-20000 Guava-10000	Mango-25000 Guava-10000
3.	HDPO, Bhuinpur	At/PO: Bhuinpur Block: Champua	6.00	Mango-		Mango-5000
4.	Fruit Nursery, Champua	At/PO: Champua Block: Champua	3.52	Mango-		Mango-5000

INFORMATION ON BLOCK LEVEL NURSERY (PUBLIC SECTOR)

Sl No.	Name of the Farm/ Nursery	Location	Area (in ha.)	Existing Mother Plants	Potentiality for production of QPM	QPM produced during 2014-15
3.	BLN, Bodapalasa	At/PO: Bodapalasa Block-Sadar	2.00	Mango-680 K.Lime-78 Orange-29 Guava-40 Litchi-90	Mango-10000	Mango-2000
4.	BLN, Patna	At/PO: Kameswarpur Block-Patna	2.00	Mango-380 Guava-20 K.Lime-30	Mango-5000	Mango-2000 K.Lime-5000
5.	BLN, Dhenkikote	At: Tikira PO: Dhenkikote Block: Ghatagaon	2.00	Mango-140 Guava-10	Mango-2000	Mango-5000
6.	BLN, Khalana	At/PO: Khalana Block: Ghasipura	2.00	Mango-62	Mango-1000	
7.	BLN, Joda	At/PO: Baneikala Block: Joda	2.00	Mango-530	Mango-5000	

INFORMATION ON FARM / NURSERY (PRIVATE SECTOR)

Sl No.	Name of the Farm/ Nursery	Location	Area (in ha.)	Existing Mother Plants	Potentiality for production of QPM	QPM produced during 2014-15
1.	Trupty Nursery	Boxibarigaon Pattabari	56.00	Mango-2231 Cashew-5800 Rose-4194	Mango-150000 Cashew-100000 Rose-150000	Mango-85000 Cashew-88000 Rose-105000
2.	Blomming Buds	Banabiharipur Telkoi	5.00	Mango-65	Mango-10000	Mango-40000
3.	Kalyani Nursery	Siriabahal Telkoi	4.00	Mango-1278	Mango-30000	Mango-12000

Cold Storage in Keonjhar District :

Sl No.	Name of the Cold Storage and Address	Sector	Year of Establishment	Storage Capacity	Products Stored
1.	Shankarpur, Keonjhar	Private		5000mt.	Potato

Training Centers:

1. Regional Research & Technology Transfer Station (RRTTS), Judia, Keonjhar
2. Krushi Vigyan Kendra (KVK), Judia, Keonjhar
3. Regional Plant Resource Sub-Centre, Sana Ghagara, Keonjhar

ADMINISTRATIVE SETUP OF THE DISTRICT:

District	Sub-Division	Block	No. of G.P	No. of Villages
Keonjhar	Anandapur	Anandapur	16	125
		Ghasipura	22	179
		Hatadihi	30	212
	Champua	Champua	23	149
		Jhumpura	22	154
		Joda	15	118
	Keonjhar	Banspal	21	163
		Ghatagaon	26	142
		Harichandanpur	25	219
		Keonjhar	24	225
		Patna	20	153
		Saharpada	20	139
		Telkoi	22	149
Total	13	286	2127	

Field Visits

Beneficiary No. 1

Protected Cultivation

SI No.	Details	Remarks
1	Name & address of Beneficiary whose field visited	255 nos. beneficiaries of Pattabari & adjoining villages
2	Total Land available with the Beneficiary (ha.)	100 ha.
3	Type of Protected Cultivation activity (Hi-tech / Normal GH, Shade Net, Plastic Tunnel)	Convergence of Mulching in MGNREGA Mango Plantation
4	Year of establishment	2012-13, 2013-14 & 2014-15
5	Size of Structure (Sq.m.)	-
6	Total Cost	Rs. 2,00, 000/-
7	Agency involved in fabrication and installation	Convergence with NHM
8	Total Subsidy paid and date of payment	Rs. 1,00,000/-
9	Crop being grown	-
10	Condition of Structure	-
11	Condition of Crop	Excellent
12	Tie up with market	Yes
13	General upkeep (Very good / Good/Average/ Poor)	Very good
14	Any other relevant observation by JIT	



Beneficiary No. 2

Post Harvest Management

Pack House/ Cold Storage/Ref Van/Primary Processing

SI No.	Details	Remarks
1	Name of the Project	Cold Room (10 MT)
2	Year of implementation	2014-15
3	Project Period	1 year
4	Name of the Beneficiary	Jayanta Ku, Behera
5	Location of Project	Vill-Bhaluka, GP- Palaspanga Block -Sadar
6	Total Project Cost	Rs. 11.70 Lakh
7	Amount Released & date	Yet to be released Rs. 7.02 lakh
8	Expenditure incurred	Rs. 11.70 Lakh
9	Status	
	Capacity of Unit	10 MT
	Commodity	Vegetables & Fruits
	Equipments purchased	Plastic Crates & Weighing Machine
	Condition of Infrastructure	Good

	Whether NHM logo displayed	Yes
	Whether funds disbursed to Agency	Yes

Observations:

Mr. Jayant Behra, cold room, 2014-15. The infrastructure is already constructed and is 25 km away from Kseonjhar town. The financial assistance around Rs. 7.0 lakh which is yet to be released. It is 10 tons capacity. Different vegetables need different temperatures for storage purpose. Now a days different varieties area available for different vegetables. So there is no need to store any single vegetable for long time except potato & tuber crops. The Lilium Bulbs can be stored for 2 months..

**Beneficiary No. 3
Area expansion / Rejuvenation**

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Manjulata Patra, Vill-Bebartaposi, GP-Nelung, Block-Sadar, Dist-Keonjhar
2	Total Land available with the beneficiary (ha)	0.4 ha.
3	Crop cluster under which covered	Bitter Gourd (Mulching)
4	Name and variety of the crop planted	Var- VNR-28
5	Source of planting materials	Own
6	Nos. of planting materials	-
7	Nos. of plant planted / rejuvenated	-
8	Nos. of plants which survived (also indicate percentage survival)	-
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	Rs. 6,400/-
10	Amount paid and date of payment	-
11	Mode of payment	Through RTGS
12	Source of irrigation water (Bore well / Tube	Pond

	well / Canal)	
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	Single Line Trellis, 50% subsidy
15	Whether assistance available for organic farming	Mulching Subsidy Rs. 6500/- par ha.
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	-

Observations:

Mrs. Manjulata Patra, small farmer single line trellis system crop bitter ground. The beneficiary has effectively utilized the assistance provided under RKVY. Mulching provided by NHM. On an average harvesting 60 to 70 kg per day and selling it @ Rs. 40/- per kg. The crop is maintained very well.



Beneficiary No. 4
Area expansion / Rejuvenation

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Janakalata Nayak, Vill-Danuatangarpada, GP-Gandabeda, Block-Saharpada, Dist-Keonjhar
2	Total Land available with the beneficiary (ha)	1 ha.
3	Crop cluster under which covered	1 ha.
4	Name and variety of the crop planted	Amrapalli, Mallika, Dasaheri, Baladev
5	Source of planting materials	Govt. Farm
6	Nos. of planting materials	100 nos.
7	Nos. of plant planted / rejuvenated	100 nos.
8	Nos. of plants which survived (also indicate percentage survival)	100%
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	Rs. 13,500/-
10	Amount paid and date of payment	-
11	Mode of payment	Through RTGS
12	Source of irrigation water (Bore well / Tube well / Canal)	Well
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	-
15	Whether assistance available for organic farming	Compost
16	If, so area covered	-
17	Assistance available	-
18	Available marketing facility for the crop	Local
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	



Observations:

Establishment & maintenance of mango orchards is very good & appreciable.

Beneficiary No. 5
Area expansion / Rejuvenation

SI No.	Details	Remarks
1	Name & address of the beneficiary whose field visited	Prahallad Mahanta, Vill-Aharpada, GP-Saharpada, Block-Saharpada, Dist-Keonjhar
2	Total Land available with the beneficiary (ha)	16 ha.
3	Crop cluster under which covered	2 ha. K. Lime
4	Name and variety of the crop planted	Local Seedling (K. Lime)
5	Source of planting materials	Govt. Farm, Kuanr
6	Nos. of planting materials	800 nos.
7	Nos. of plant planted / rejuvenated	800 nos.
8	Nos. of plants which survived (also indicate percentage survival)	100%
9	Total amount subsidy assistance due to the beneficiary as (Rs.)	Rs. 50,010/-
10	Amount paid and date of payment	Amount Paid
11	Mode of payment	Through RTGS
12	Source of irrigation water (Bore well / Tube well / Canal)	Perennial Source
13	Whether drip / sprinkler system in use	-
14	Other inputs provided	Pack House, Polly House
15	Whether assistance available for organic farming	Compost
16	If, so area covered	-

17	Assistance available	-
18	Available marketing facility for the crop	Local
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	

Observations:

Kagzi Lime 2011-12 need immediate canopy management, manuring and fertilizer application and also pest and disease management.



Beneficiary No. 6

Protected Cultivation

SI No.	Details	Remarks
1	Name & address of Beneficiary whose field visited	Purna Ch. Mahanta Vill-Tangarani, GP-Nelung Bloc-Sadar, Dist-Keonjhar
2	Total Land available with the Beneficiary (ha.)	3 ha.
3	Type of Protected Cultivation activity (Hi-tech / Normal GH, Shade Net, Plastic Tunnel)	Mulching in Vegetable Crop
4	Year of establishment	2014-15

5	Size of Structure (Sqm.)	-
6	Total Cost	Rs. 96, 000/-
7	Agency involved in fabrication and installation	Farmer himself
8	Total Subsidy paid and date of payment	Rs. 48,000/-
9	Crop being grown	Tomato (Var-Bhagya)
10	Condition of Structure	Good
11	Condition of Crop	Good
12	Tie up with market	Yes
13	General upkeep (Very good / Good/Average/ Poor)	Very good
14	Any other relevant observation by JIT	

Observations:

Tomato mulching is in good condition and the beneficiaries are well convinced with mulching.



**Beneficiary No. 7
Post Harvest Management
Pack House/ Cold Storage/Ref Van/Primary Processing**

SI No.	Details	Remarks
1	Name of the Project	Pack House, Polly House
2	Year of implementation	2012-13
3	Project Period	1 year
4	Name of the Beneficiary	Prahallad Mahanta

5	Location of Project	Vill-Aharpada, Block Saharpada
6	Total Project Cost	Rs. 3,00,000/- for Pack House Rs. 98,200/- for Polly House
7	Amount Released & date	Rs. 1,50,000/- for Pack House Rs. 49,088/- for Polly House
8	Expenditure incurred	Rs. 3,00,000/- for Pack House Rs. 98,200/- for Polly House
9	Status	
	Capacity of Unit	9mtr. x 6 mtr. for Pack House 15mtr. x 5mtr. x 3mtr. for Polly House
	Commodity	Vegetables & Fruits
	Equipments purchased	Plastic Crates & Weighing Machine
	Condition of Infrastructure	Good
	Whether NHM logo displayed	Yes
	Whether funds disbursed to agency	Yes



District: Mayurbhanj



Field Visits

Beneficiary No.1

AREA EXPANSION / REJUVENATION (JIT)

Sl No .	Details	
1	Name & Address of the beneficiary, whose field visited	Sri Sanjeeb Kumar Behera At- B.C.Pur Po/ Block – Badsahi Dist- Mayurbhanj
2	Total land available with the beneficiary (ha)	8 ha
3	Crop cluster under which covered	RKVY
4	Name & variety of crop planted	Oil Palm

5	Source of planting material	Ruchi Soya Industries, Balasore
6	Number of planting material	572 nos.
7	Number of plants planted / Rejuvenated	572 Nos.
8	Date of plants which survived (also indicate percentage of survival)	10.7.2014 100 % survived
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs.40,000.00
10	Amount paid & date of payment	
11	Mode of payment	
12	Source of irrigation water (Bore well / Tube well / Canal)	Bore well
13	Whether Drip / Sprinkler System in use	Drip installation is in progress
14	Other inputs provided	N i l
15	Whether assistance available for organic farming	N i l
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Available
19	Other infrastructure available in the vicinity	Extraction unit is under progress in the district
20	General upkeep of the plot Very good / good / average / poor	Good
21	Any other relevant observation by the JIT	

Observations:

The financial assistance provided under RKVY for 4 ha land for oil palm plantation under drip irrigation. They have buy back arrangement with Ruchi.

Beneficiary No.2**AREA EXPANSION / REJUVENATION (JIT)**

SI No	Details	
1	Name & Address of the beneficiary, whose field visited	Sri Sadananda Behera At- B.C.Pur Po/ Block – Badsahi Dist- Mayurbhanj
2	Total land available with the beneficiary (ha)	10 ha
3	Crop cluster under which covered	RKVY
4	Name & variety of crop planted	Oil Palm
5	Source of planting material	Ruchi Soya Industries, Balasore
6	Number of planting material	572 nos. (4 ha)
7	Number of plants planted / Rejuvenated	572 Nos. (4 ha)
8	Date of plants which survived (also indicate percentage of survival)	15.7.2014 100 % survived
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs.40,000.00
10	Amount paid & date of payment	
11	Mode of payment	
12	Source of irrigation water (Bore well / Tube well / Canal)	Bore well
13	Whether Drip / Sprinkler System in use	Drip installation is in progress
14	Other inputs provided	Nil
15	Whether assistance available for organic farming	Nil

16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Available
19	Other infrastructure available in the vicinity	Extraction unit is under progress in the district
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 / REJUVENATION (JIT)

SI No .	Details	
1	Name & Address of the beneficiary, whose field visited	Sri Bijaykeshari Behera At- B.C.Pur Po/ Block – Badsahi Dist- Mayurbhanj
2	Total land available with the beneficiary (ha)	8 ha
3	Crop cluster under which covered	RKVY
4	Name & variety of crop planted	Oil Palm
5	Source of planting material	Ruchi Soya Industries, Balasore
6	Number of planting material	572 nos. (4 ha)
7	Number of plants planted / Rejuvenated	572 Nos. (4 ha)
8	Date of plants which survived (also indicate percentage of survival)	20.7.2014 100 % survived
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs.40,000.00
10	Amount paid & date of payment	
11	Mode of payment	

12	Source of irrigation water (Bore well / Tube well / Canal)	Bore well
13	Whether Drip / Sprinkler System in use	Drip installation is in progress
14	Other inputs provided	N i l
15	Whether assistance available for organic farming	N i l
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Available
19	Other infrastructure available in the vicinity	Extraction unit is under progress in the district
20	General upkeep of the plot Very good / good / average / poor	Good
21	Any other relevant observation by the JIT	

Observations:

Sri Sada Nanda Behra and Shri Bijay Kesari Behera have also established 4 ha each oil palm. The establishment of oil palm plantation is satisfactory. However, there is a need to link this with some processing industry in this potential production zone since there is disadvantage to the farmers to send their produce within 24-48 hours after the harvest.

Beneficiary No.4

**PRODUCTION OF PLANTING MATERIALS (JIT)
NURSERY**

SI No	Details	
1	Name of the Project	Model Nursery of Ch. Swapan Kumar Mohapatra
2	Year of implementation	2009-10
3	Project Period	One year

4	Name of Implementing Agency	DDH. Mayurbhanj, Baripada
5	Location	At- Angargadia PO- Badsahi Block – Badsahi Dist – Mayurbhanj, Odisha
6	Total Project Cost	Rs.18.00 Lakhs
7	Amount Released by DAC	Rs.9.00 Lakhs
8	Expenditure incurred	Rs.18.00 Lakhs
	STATUS	
	Name of the Nursery & Crop for which plants are produced	Mango grafts and Cashew grafts
	Name of the crops for which seeds produced	N I L
	Quantity produced (2013-14)	Mango grafts – 40,000 Cashew grafts – 1,00,000
	Quantity sold (2014-15)	Mango grafts – 36,000 Cashew grafts – 90,000
	Rate	As per approved cost Mango grafts – Rs.24/- per grafts Cashew grafts – Rs.24/- per grafts
	Amount realised through sale	Rs.30.24 Lakhs
	Whether NHM Logo displayed	

Observations:

The financial assistance provided for Model Nursery was Rs 900000/- released in the month of January 2014. The model nursery has produced 1.3 lakh cashew grafts, variety V-A and 40000 Mango grafts of different varieties during the year 2009-10. The nursery also producing some ornamental plants such as orchids Rose Adenium chrysanthemum etc.

**Beneficiary No.5
WATER RESOURCES**

SI No	Details	
1	Name of the Project	Farm Pond of Sri Rabi Narayan Panda
2	Year of implementation	2013-14
3	Project Period	One year
4	Name of Implementing Agency	DDH. Mayurbhanj, Baripada
5	Location	At- Kuradiha Po- Badsahi Block - Badsahi Dist- Mayurbhanj, Odisha
6	Total Project Cost	Rs. 1.20 Lakhs
7	Amount Released by DAC	Rs.0.60 Lakhs
8	Expenditure incurred	Rs.1.20 Lakhs
9	Current status projects	
	Dimension (L x B x W)	20 m x 20 m x 3 m
	Capacity	1200 cum.
	Command area	4 ha.
	Whether linked with New plantation or Old plantation	Old plantation of 2011-12
	Whether funds disbursed	Yes

Observations:

The financial assistance was provided for (20x20x3) m3. The farm pond should have located at lower level having reasonable catchment area for better harvesting of rain water. The ponds are to serve the purpose of supplying water to the existing plantation at the time of scarcity.

**Beneficiary No.6
PROTECTED CULTIVATION**

SI No .	Details	
1	Name & address of beneficiary, whose field visited	Ch. Swapan Ku. Mohapatra At- Angargadia PO- Badsahi Block – Badsahi Dist – Mayurbhanj, Odisha
2	Total land available with beneficiary (ha)	12 ha.
3	Type of protected cultivation activity	Shade net
4	Year of establishment	2013-14
5	Size of the structure	2000 sqmt.
6	Total cost	Rs.12.00 Lakhs
7	Agency involved in fabrication & instalment	MGM Classic Agricon Pvt. Ltd.
8	Total subsidy paid & date of payment	Rs.2,52,000.00 25.01.2014
9	Crop being grown	N i l
10	Condition of the structure	Good
11	Condition of the crop	N I L
12	Tie up with market	

13	General upkeep	
14	Any other relevant observation (JIT)	

Observations:

The beneficiary has been sanctioned a shadenet of size 2000 sq. m. During 2013-14. The subsidy to the tune of 30% was released during January, 2014. The shadenet has not been completed so far. Steps need to be taken to complete the structure at the earliest.

**Beneficiary No.7
WATER RESOURCES**

SI No	Details	
1	Name of the Project	Farm Pond of Sri Upendra Kumar Samal
2	Year of implementation	2013-14
3	Project Period	One year
4	Name of Implementing Agency	DDH. Mayurbhanj, Baripada
5	Location	At- Kuradiha Po- Badsahi Block - Badsahi Dist- Mayurbhanj, Odisha
6	Total Project Cost	Rs. 1.20 Lakhs
7	Amount Released by DAC	Rs.0.60 Lakhs
8	Expenditure incurred	Rs.1.20 Lakhs
9	Current status	

	Dimension (L x B x W)	20 m x 20 m x 3 m
	Capacity	1200 cum.
	Command area	1.75 ha.
	Whether linked with New plantation or Old plantation	Old plantation of 2011-12
	Whether funds disbursed	Yes

Observations:

Mulching was done properly for the mango plantation. Drip irrigation also provided to same beneficiary under NMMI. The beneficiary has effectively utilized the assistance provided.

**Beneficiary No.8
PROTECTED CULTIVATION**

SI No	Details	
1	Name & address of beneficiary, whose field visited	Sri Rabindranath Das At- Kujidihi Po- Bantasahi Block – Suliapada Dist- Mayurbhanj
2	Total land available with beneficiary (ha)	4 ha.
3	Type of protected cultivation activity	Shade net Plastic mulching
4	Year of establishment	2013-14
5	Size of the structure	2000 sqmt.
6	Total cost	Rs.12.00 Lakhs

7	Agency involved in fabrication & instalment	MGM Classic Agricon Pvt. Ltd.
8	Total subsidy paid & date of payment	Rs.6,72,000.00 25.01.2014 & 28.02.2014
9	Crop being grown	Brinjal
10	Condition of the structure	Good
11	Condition of the crop	Disease & pest effected
12	Tie up with market	Yes
13	General upkeep	
14	Any other relevant observation (JIT)	

**Beneficiary No.9
(PACK HOUSE / COLD STORAGE / CA STORAGE / REF. VAN/ PRIMARY
/MOBILE PROCESSING UNIT)**

Sl No	Details	
1	Name of the Project	Pack house with sorting & grading unit
2	Year of implementation	2013-14
3	Project Period	One year
4	Name of Implementing Agency	Sri Rabindranath Das
5	Location	At- Kujidihi Po- Bandhasahi Block – Suliapada Dist- Mayurbhanj

6	Total Project Cost	Rs.15.00 Lakhs
7	Amount Released by DAC	Rs.11.25 Lakhs
8	Expenditure incurred	Rs.15.00 Lakhs
	STATUS	
	Capacity of the unit	
	Commodity	Fruits & vegetables
	Equipments purchased	Cooling machine Grading machine Plastic crates
	Condition of infrastructure	Good
	Whether NHM Logo displayed	
	Whether funds disbursed	Yes

Beneficiary No.10

AREA EXPANSION / REJUVENATION

SI No	Details	
1	Name & Address of the beneficiary, whose field visited	Sri Rabindranath Das At- Kujidihi Po- Bantasahi Block – Suliapada Dist- Mayurbhanj
2	Total land available with the beneficiary (ha)	4 ha
3	Crop cluster under which covered	NHM
4	Name & variety of crop planted	Banana (Tissue culture, Var-G-9)

5	Source of planting material	OUAT. Bhubaneswar
6	Number of planting material	2000 nos. (0.65 ha)
7	Number of plants planted / Rejuvenated	2000 Nos.
8	Date of plants which survived (also indicate percentage of survival)	22.7.2014 100 % survived
9	Total amount of subsidy assistance due to the beneficiary as (Rs.)	Rs.19,980.00
10	Amount paid & date of payment	Planting materials supplied on subsidy
11	Mode of payment	
12	Source of irrigation water (Bore well / Tube well / Canal)	Bore well
13	Whether Drip / Sprinkler System in use	Drip installation is in progress
14	Other inputs provided	N i l
15	Whether assistance available for organic farming	N i l
16	If so, area covered	
17	Assistance available	
18	Available marketing facility for the crop	Available
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	

Observations (Beneficiary No. 8,9 and 10):

Shri Rabindra nath Das Village Kajidihi, Bandha Sali, Block Sulia Pada, Mayurbanj, The beneficiary has availed financial assistance during 2013-14 for the following programme.

1. Shade net
2. Mulching for Mango and Banana 4 ha.

3. Power Tiller- 1 ha.
4. Pack house with shorting & grading unit.

This beneficiary has utilized the shade net for cultivation of brinjal which has been severely affected by pest and diseases in spite of repeated sprays of pesticides and insecticides.

The JIT advised the beneficiary to remove all the brinjal plants. Thereafter, disinfect the soil before taking the next crop.

All plantations are in good condition.

Beneficiary No.11

PROTECTED CULTIVATION

SI No	Details	
1	Name & address of beneficiary, whose field visited	Mango plantation in cluster of Sri Hemendra Murmu & 63 others under MGNREGS 2013-14 (Dakoi) ST-36, SC- 10, OC-18.
2	Total land available with beneficiary (ha)	100 ha.
3	Type of protected cultivation activity	Plastic mulching
4	Year of establishment	2013-14
5	Size of the structure	100 ha
6	Total cost	Rs.7.73 Lakhs
7	Agency involved in fabrication & instalment	Reliance Agro
8	Total subsidy paid & date of payment	Rs.7.73 Lakhs 30.01.2014
9	Crop being grown	Mango

10	Condition of the structure	Good
11	Condition of the crop	Good
12	Tie up with market	Yes
13	General upkeep	Good
14	Any other relevant observation (JIT)	

Beneficiary No.12

MICRO IRRIGATION

SI No	Details	
1	Name & address of beneficiary, whose field visited	Mango plantation in cluster of Sri Hemendra Murmu & 63 others under MGNREGS 2013-14 (Dakoi) ST-36, SC- 10, OC-18.
2	Total land available with beneficiary (ha)	100 ha.
3	Type of MI system availed	Drip
4	Crops covered	Mango & Vegetable as intercrop
5	Total area covered (ha)	100 ha
6	Crop spacing	Mango – 10m X 10m Vegetable – 1.2m X 0.6m
7	Year of establishment	2013-14
8	Name of the manufacturer / supplier	Finolex Plassion Industries Pvt. Ltd.

9	Total subsidy paid & date of payment	Rs.18.08 Lakhs (Rs.9.66 Lkhs GOI + Rs.8.42 Lakhs GOO) 26.09.2013
10	Mode of payment	Cheque
11	Status of the crop	Good
12	General upkeep	Good
13	Any other relevant observation (JIT)	

Beneficiary No.13

PROTECTED CULTIVATION

SI No	Details	
1	Name & address of beneficiary, whose field visited	Mango plantation in cluster of Sri Muni Soren & 41 others under MGNREGS 2013-14 (Anua) ST-31, SC-10, OC-1
2	Total land available with beneficiary (ha)	103 ha.
3	Type of protected cultivation activity	Plastic mulching
4	Year of establishment	2013-14
5	Size of the structure	103 ha
6	Total cost	Rs.9.19 Lakhs
7	Agency involved in fabrication & instalment	Reliance Agro
8	Total subsidy paid & date of payment	Rs.9.19 Lakhs 21.12.2013

9	Crop being grown	Mango
10	Condition of the structure	Good
11	Condition of the crop	Good
12	Tie up with market	Yes
13	General upkeep	Good
14	Any other relevant observation (JIT)	

Beneficiary No.14

MICRO IRRIGATION

SI No	Details	
1	Name & address of beneficiary, whose field visited	Mango plantation in cluster of Sri Muni Soren & 41 others under MGNREGS 2013-14 (Anua) ST-31, SC-10, OC-1
2	Total land available with beneficiary (ha)	103 ha.
3	Type of MI system availed	Drip
4	Crops covered	Mango & Vegetable as intercrop
5	Total area covered (ha)	103 ha
6	Crop spacing	Mango – 10m X 10m Vegetable – 1.2m X 0.6m
7	Year of establishment	2013-14

8	Name of the manufacturer / supplier	Finolex Plassion Industries Pvt. Ltd.
9	Total subsidy paid & date of payment	Rs.25.03 Lakhs (Rs.13.28 Lkhs GOI + Rs.11.77 Lakhs GOO) 11.11.2013
10	Mode of payment	Cheque
11	Status of the crop	Good
12	General upkeep	Good
13	Any other relevant observation (JIT)	

Observations:

Mango Plantation cluster formed at Dakoi with 100 ha of area with the involvement of 63 farmers (SC-10, ST-35, OC-18). The plantation is being maintained with convergence of various schemes like MNREGS, NMMI, Jalanidhi from State.

This cluster approach is very good and need to be replicated in other areas where wastelands are available.

Similar clusters of 48 ha. consisting of 33 beneficiaries (SC-2, ST-26, OC-5) have also been established

Beneficiary No.15

PROTECTED CULTIVATION

SI No	Details	
1	Name & address of beneficiary, whose field visited	Cashew plantation in cluster of Sri Kashray Murmu & 32 others under MGNREGS 2013-14 (Sindurjoda) ST-26, SC-2, OC-5
2	Total land available with beneficiary (ha)	48 ha.
3	Type of protected cultivation activity	Plastic mulching

4	Year of establishment	2013-14
5	Size of the structure	48 ha
6	Total cost	Rs.4.45 Lakhs
7	Agency involved in fabrication & instalment	Vasundhara Micro Irrigation
8	Total subsidy paid & date of payment	Rs.4.45 Lakhs 24.12.2013
9	Crop being grown	Cashew
10	Condition of the structure	Good
11	Condition of the crop	Good
12	Tie up with market	Yes
13	General upkeep	Good
14	Any other relevant observation (JIT)	

**Beneficiary No.16
MICRO IRRIGATION**

SI No	Details	
1	Name & address of beneficiary, whose field visited	Cashew plantation in cluster of Sri Kashray Murmu & 32 others under MGNREGS 2013-14 (Sindurjoda) ST-26, SC-2, OC-5
2	Total land available with beneficiary (ha)	48 ha.

3	Type of MI system availed	Drip
4	Crops covered	Cashew & Vegetable as intercrop
5	Total area covered (ha)	48 ha
6	Crop spacing	Cashew – 7m X 7m Vegetable – 1.2m X 0.6m
7	Year of establishment	2013-14
8	Name of the manufacturer / supplier	Kirti Industries
9	Total subsidy paid & date of payment	Rs.10.49 Lakhs (Rs.5.58 Lkhs GOI + Rs.4.91 Lakhs GOO) 10.10.2013
10	Mode of payment	Cheque
11	Status of the crop	Good
12	General upkeep	Good
13	Any other relevant observation (JIT)	

Beneficiary No.16

PROTECTED CULTIVATION

SI No .	Details	
1	Name & address of beneficiary, whose field visited	Guava plantation in cluster of Sri Sakila Hembram & 39 others under MGNREGS 2013-14 (Silda)

		ST-2, SC-6, OC-32
2	Total land available with beneficiary (ha)	20 ha.
3	Type of protected cultivation activity	Plastic mulching
4	Year of establishment	2013-14
5	Size of the structure	20 ha
6	Total cost	Rs.1.99 Lakhs
7	Agency involved in fabrication & instalment	Vasundhara Micro Irrigation
8	Total subsidy paid & date of payment	Rs.1.99 Lakhs 30.01.2014
9	Crop being grown	Guava
10	Condition of the structure	Good
11	Condition of the crop	Good
12	Tie up with market	Yes
13	General upkeep	Good
14	Any other relevant observation (JIT)	

Beneficiary No.17**MICRO IRRIGATION**

SI No	Details	
1	Name & address of beneficiary, whose field visited	Guava plantation in cluster of Sri Sakila Hembram & 39 others under MGNREGS 2013-14 (Silda) ST-2, SC-6, OC-32
2	Total land available with beneficiary (ha)	20 ha.
3	Type of MI system availed	Drip
4	Crops covered	Guava & Vegetable as intercrop
5	Total area covered (ha)	20 ha.
6	Crop spacing	Guava – 6m X 6m Vegetable – 1.2m X 0.6m
7	Year of establishment	2013-14
8	Name of the manufacturer / supplier	Kirti Industries
9	Total subsidy paid & date of payment	Rs.15.32 Lakhs (Rs.8.31 Lkhs GOI + Rs.7.01 Lakhs GOO) 12.11.2013
10	Mode of payment	Cheque
11	Status of the crop	Good
12	General upkeep	Good
13	Any other relevant observation (JIT)	