

**ANNUAL ACTION PLAN**  
*(April 2013-March 2014)*

***KVK, DHENKANAL***

**Orissa University of Agriculture & Technology**  
**Bhubaneswar**

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**PERIOD – April 2013 to March, 2014**  
**Summary of the activities**

KVK Name	Activity	Target	
		Number of activity	No. of farmers/ beneficiaries
Dhenkanal	OFTs	23	222
Dhenkanal	FLDs – Oilseeds (activity in ha)	10(2)	50
Dhenkanal	FLDs – Pulses (activity in ha)	-	-
Dhenkanal	FLDs – Other than Oilseed and pulse crops( ha)	9.2 (20)	91
Dhenkanal	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	16(3)	35
Dhenkanal	Training-Farmers and farm women	66	1650
Dhenkanal	Training-Rural youths	13	195
Dhenkanal	Training- Extension functionaries	10	155
Dhenkanal	Extension Activities	595	5200
Dhenkanal	Seed Production (Number of activity as seeds in quintal)	01	150qtl
Dhenkanal	Planting material ((Number of activity as quantity of planting material in quintal) Mushroom spawn bottles	02 (400 nos.)	80
Dhenkanal	Seedling Production (Number of activity as number of seedlings in numbers)	15000	150
Dhenkanal	Sapling Production (Number of activity as number of sapling in numbers)	15000	150
Dhenkanal	Other Bio- products (No. of quantity)Mushroom Vermicompost	3.0qtl 10qtl	100 100
Dhenkanal	Live stock products ,Poultry chicks Duckling Fish fry Stunted Yearling	1000 200 100000 10000	100 10 20 10
Dhenkanal	Activities of Soil and Water Testing Laboratory	1000	500
Dhenkanal	Rainwater Harvesting System	-	-
Dhenkanal	Kisan Mobile Advisory (KVK-KMA)	150	1000
Dhenkanal	SAC Meeting (Date & no. of core/ official members)	02	44
Dhenkanal	Literature to be Developed/Published	10	5000
Dhenkanal	Convergence programmes / Sponsored programmes	05	200

KVK Name	Activity	Target	
		Number of activity	No. of farmers/ beneficiaries
Dhenkanal	Utilization of Farmers Hostel	20	300
Dhenkanal	Utilization of Staff Quarters	05	05
Dhenkanal	Details of KVK Agro-technological Park	01	550
Dhenkanal	Crop Cafeteria-	01	550
Dhenkanal	Farm Innovators- ( 10 farm innovators from the District)	10	10
Dhenkanal	Status of Revolving Funds	01	200
Dhenkanal	Awards and Recognitions	10	10
Dhenkanal	Case study / Success Story to be developed	10	10
Dhenkanal	KVK Progressive Farmers interaction	10	150
Dhenkanal	Outreach of KVK in the District (No. of blocks, no. of villages)	8/40	2000
Dhenkanal	Technology Demonstration under Tribal Sub Plan	-	-
Dhenkanal	KVK Ring	01	03
Dhenkanal	Important visitors to KVK	15	15
Dhenkanal	Status of KVK Website	01	250
Dhenkanal	Status of RTI	-	-
Dhenkanal	E-connectivity	-	-
Dhenkanal	Details of Technology Week Celebrations	01	300
Dhenkanal	Interventions on Drought Mitigation	05	50
Dhenkanal	Proposal of NAIP	-	-
Dhenkanal	Proposal of NICRA	-	-
Dhenkanal	Well labeled photographs	500	250
Dhenkanal	Other Activities	-	-

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Dhenkanal	Programme Coordinator	Dr.RadheShyam Panigrahi	Agril.Extension	Ph.D.	Extension	37,400-67,000	48120+9000	01.09.12	Permanent	Gen
Dhenkanal	Subject Matter Specialist1	Smt. S. Pal	Home Science	M.Phil	Home Science	15,600-39,100	19810/+6000 (GP)	15.11.07	Temporary	Gen
Dhenkanal	Subject Matter Specialist2	Sri Sidhartha Kar	Horticulture	MSc(Ag )	Horticulture	15,600-39,100	16920+6000 (GP)	01.10.09	Temporary	Gen
Dhenkanal	Subject Matter Specialist3	Sri D Panda	Entomology	M.Sc. (Ag.)	Entomology	15,600-39,100	19810/+6000 (GP)	06.04.11	Temporary	Gen
Dhenkanal	Subject Matter Specialist4	Smt.D. Paramjita	Agril.Egg	MTech	Soil & Water Conservation Egg	15,600-39,100	16920+6000 (GP)	07.12.12	Temporary	Gen
Dhenkanal	Subject Matter Specialist5	Sri M.Mohanty	Forestry	MSc (Forestry )	Forestry	15,600-39,100	19810+6000 (GP)	15.12.12	Temporary	Gen
Dhenkanal	Subject Matter Specialist6	Vacant								
Dhenkanal	Programme Assistant	Sri. Jashobanta Sahoo	fishery	BFSc.	Fishery	9300-34,800	12430/- +4200(GP)	04.10.09	Temporary	OBC
Dhenkanal	Farm Manager	Sri. Manoj Kumar Pradhan	Seed Technology	Msc(A g)	Seed Technology	9300-34,800	9300+ 4200(GP)	03.07.12	Temporary	Gen
Dhenkanal	Computer Programmer	Sri. G. D. Moharana	Computer	MCA	Computer	9300-34,800	11940/- +4200(GP)	18.06.12	Temporary	Gen
Dhenkanal	Accountant / superintendent	<b>Vacant</b>								
Dhenkanal	Stenographer	Sri G.R. Das	-	B.A.	-	5,200-20,200	6430/- +2400/-	08.01.07	Temporary	Gen
Dhenkanal	Driver	Sri K.B. Mohanty	-	UP	-	5,200-20,200	5870+1900/-	24.07.07	Temporary	Gen
Dhenkanal	Driver	Sri N.M. Sahoo	-	UP	-	5,200-20,200	5870+1900/-	25.07.07	Temporary	Gen
Dhenkanal	Supporting staff	Smt. Ahalya Baral	-	UP	-	4440-7440	4800/- + 1300	28.07.08	Temporary	Gen
Dhenkanal	Supporting staff	Sri Bhagir Dalai	-	UP	-	4440-7440	4800/- + 1300	29.07.08	Temporary	SC

**1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–**

Geographical Area(000'Ha)	445
Cultivable Area(000'Ha)	186
Cultivable Waste land(000'Ha)	004
Current fallow(000'Ha)	031
Other fallows(000;ha)	020
Forest(000'Ha)	174
Pasture(000'Ha)	008
Land(Non Agriculture use) (000'ha)	042
Land under misc. plantation(000'ha)	006
Barren & un culturable land (000'ha)	005

**Area, Production & productivity of the major crops cultivated in the districts**

<b>Name of the crop</b>	<b>Area in ha</b>	<b>Production in (MT)</b>	<b>Yield q/ha</b>
Paddy	112749	2543585	20.72
Sugarcane	1189	814580	685.1
Maize	2827	17280	6.11
Groundnut	15161	186520	12.30
Seasamum	15953	32790	2.06
Green gram	23529	52190	2.22
Black gram	23707	59200	2.50
Arhar	4689	34280	7.31
Vegetables	25186	3065350	121.71

### 1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Dhenkanal	Talakashipur	2012	Gondia	55 km	720	80
Dhenkanal	Nachhipura	2011	Dhenkanal Sadar	10 km	950	120
Dhenkanal	Jamujhara	2011	Kamakshyanagar	30km	518	105
Dhenkanal	Harekrushnapur	2012	Dhenkanal sadara	15km	1600	95
Dhenkanal	Bangu	2011	Hindol	80 km	320	75

### 1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Dhenkanal	➤ Cultivation of HYV paddy with improved agro techniques (INM, IWM, IPM)
Dhenkanal	➤ Area expansion and seed production in groundnut
Dhenkanal	➤ Seed replacement in green gram and black gram for higher yield
Dhenkanal	➤ Improved cultivation techniques and area expansion of sugarcane
Dhenkanal	➤ Improved cultivation techniques of vegetables, mango, cashew, spices and tuber crops
Dhenkanal	➤ Composite fish culture, integrated fish farming and ornamental fish culture, polyculture of prawn, magur
Dhenkanal	➤ Back yard poultry rearing, diary, and goatery
Dhenkanal	➤ Mushroom cultivation
Dhenkanal	➤ Bee keeping
Dhenkanal	➤ Soil fertility, ermin-composting
Dhenkanal	➤ Commercial plantation of economically important tree species.
Dhenkanal	➤ Development of Agro-forestry systems
Dhenkanal	➤ Scientific management of minor forest produces

### 1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Dhenkanal	Poor crop yield due to local varieties, application, inadequate plant population	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Imbalance fertilizer management	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Yield loss due to insect pest and diseases	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Weed problem	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Shortage of quality seeds	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Low pod yield pulses	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Traditional varieties	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Traditional method of sugarcane cultivation	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Lack of proper management practices of winter vegetables	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Shortage of planting material	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Improper management of cashew orchards, un employment problem of rural youths	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Un availability planting material and lack of knowledge about scientific method of cultivation.	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Lack of knowledge about scientific method of cultivation.	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Insect pest attack	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Low income due to traditional method of fish culture	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Aquatic Weed	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Lack of feeding	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Diseases	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Non availability of ornamental fishes	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Low milk yield of desi cows	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Low body weight of desi birds	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Under utilization of paddy straw	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Under utilization of oyster mushroom cultivation	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Improper utilization of family labour and home stead lands	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Problematic soil, low organic matter content in the soil. Little knowledge about fertilizer doses	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Shortage of quality timbers	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Unutilization of Waste land	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Shortage of quality timbers, unutilized farm bunds	Through PRA tools and Discussion with the group of farmer	
Dhenkanal	Lack of quality planting material of forest species	Through PRA tools and Discussion with the group of farmer	



## 2. On Farm Testing

### 2.1 Information about OFT to be conducted

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farm er practi ce T1	Rec. Tech T2	T1	T2
Dhenkanal	2013 Kharif	Un utilization of waste space, Low income from mango as single crop, High intercultural operation cost	Assessment	ICM	Mango, Tomato, Brinjal, Chilli	Irrigated	0.52 ha	13	Assessment of intercropping of solanaceous vegetables in mango orchard				
Dhenkanal	2013 Kharif	High damage of seedlings during kharif	Assessment	Nursery manage ment	Poly tunnel structure	Rainfed	0.1h a	5	Assessment of raising of nursery in poly tunnel structure				
Dhenkanal	2013 Kharif	Low yield of local variety (N-53)	Assessment	ICM	Onion	Irrigated	0.52 ha	13	Assessment of onion variety <i>Bhima Super</i>				
Dhenkanal	2013 Kharif	Low yield of paddy due to high incidence of blast.	Assessment	IDM	Paddy	Rainfed	0.52 ha	13	Assessment of Tricyclazole for controlling blast in paddy				
Dhenkanal	2013 Kharif	Low yield of paddy due to high infestation of BPH.	Assessment	IPM	Paddy	Rainfed	0.52 ha	13	Assesment of buprofezin for controlling BPH in paddy.				
Dhenkanal	2013 Kharif	Non availability of seed and user preference result in decrease in population of sundar kani bamboo	Assessment	Plant producti on	Bamboo	Rainfed	0.52 ha	13	Vegetative propagation of sundar kani bamboo (B.Vulgarias) through juvenile branch cutting				
Dhenkanal	2013	Tree seedlings give less	Assessment	Plant	Crop	Irrigated	0.52	13	Assessment of tree				

	Kharif	growth and vigour when grown in traditional polypots		production			ha		seedlings growth and development raised in root trainers				
Dhenkanal	2013 Kharif	High drudgery involved in manual method of sugarcane bud chipping	Assessment	Drudgery reduction	Sugarcane Bud Chipper	Irrigated	5 nos	13	Assessment on Sugarcane Bud Chipper for drudgery reduction of Farm women				
Dhenkanal	2013 Kharif	Biological efficiency is low in PSM cultivation	Assessment	Income generation activity	Mushroom	-	130 bags	13	Assessment on production of Milk mushroom				
Dhenkanal	2013 Kharif	High labour, cost and time involved in manual transplanting of Paddy	Assessment	Farm Mechanization	Paddy Drum Seeder	Rainfed	1.0 ha	5	Assessment on 8-row Paddy Drum seeder				
Dhenkanal	2013 Kharif	Low yield and more cost of production (irrigation cost) in Banana due to flood irrigation	Assessment	Irrigation Water Management	Banana	Irrigated	0.04 ha	1	Assessment on Drip Irrigation in Banana				
Dhenkanal	2013 Kharif	The production potential from traditional fish species IMC culture is less	Assessment	Production & Management	IMC & Medium Carp	Small to Medium Tank	1.0 ha	2	Assessment of profitability and yield increase by introduction of medium carps along with traditional 3-species IMC culture				
Dhenkanal	2013 Kharif	Turbidity during monsoon in newly excavated tanks	Assessment	Production & Management	Alum	Small to Medium Tank	1.0 ha	2	Assessment of Alum treatment in clearing water turbidity in newly excavated Pisciculture tanks during Monsoon season				

Dhenkanal	2013-14 Rabi	Low yield, No post harvest cultivation management for annual crop	Assessment	ICM	Brinjal	Irrigated	0.52 ha	13	Assessment of brinjal variety Utkala madhuri with application of GA3 during post harvest period				
Dhenkanal	2013-14 Rabi	Low market price of un graded mangoes	Assessment	Income generation activity	Mango	Irrigated	0.52 ha	13	Assessment of Impact of grading , packaging of Mango for higher income				
Dhenkanal	2013-14 Rabi	Low yield of brinjal due to high infestation of shoot and fruit borer.	Assessment	IPM	Brinjal	Irrigated	0.52 ha	13	Assessment of Flubendiamide for controlling shoot and fruit borer in Brinjal				
Dhenkanal	2013-14 Rabi	Low yield of sugarcane due to high infestation of early shoot borer .	Assessment	IPM	sugarcane	Irrigated	0.52 ha	13	Assessment of trichogamma chilonis for controlling early shoot borer in sugarcane.				
Dhenkanal	2013-14 Rabi	Primary pluckers log sal plants haphazardly and massively leading to the less photosynthesis and less wood formation	Assessment	Plant production	sal	Rainfed	0.52 ha	13	Assessment of the effect of degree of lopping on wood formation of Sal plants				
Dhenkanal	2013-14 Rabi	Non availability of Kumsilac in the locality for lac craft	Assessment	Plant production	Lac	Rainfed	0.52 ha	13	Assessment of kusmilac inoculation in Flemingia semialata				
Dhenkanal	2013-14 Rabi	Lack of knowledge and skill on preparation of peanut butter leads to low income	Assessment	Value addition	Groundnut	-	-	13	Assessment on preparation of peanut butter				

Dhenkanal	2013-14 Rabi	Post harvest loss due to inadequate access to refrigeration facility	Assessment	Storage of fruits & vegetables	Fruits & vegetables	-	02	02	Assessment of Zero Energy Cool Chamber				
Dhenkanal	2013-14 Rabi	High labour, cost and time involved in manual method of harvesting paddy by sickle	Assessment	Farm Mechanization	Self Propelled paddy Reaper	Irrigated	1.0 ha	5	Assessment on Self Propelled paddy Reaper				
Dhenkanal	2013-14 Rabi	High labour cost and more time involved in large scale groundnut decortications	Assessment	Farm Mechanization	Power operated Groundnut Decoorticator	Irrigated	1.0 ha	5	Assessment on Power operated Groundnut Decoorticator				

### 2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

### 2.2 Economic Performance

KVK name	OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)					
		FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		FP (T <sub>1</sub> )	RP (T <sub>2</sub> )				

### 3. Frontline Demonstrations

#### 3.1. Follow-up for results of FLDs implemented during previous years (upto 2012-13)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Dhenkanal	Paddy	Varietal Evaluation	Cultivation of high yielding rice variety Pratikhya in medium land	Training and demonstration	25	5000	4000
Dhenkanal	Sweet Potato	Varietal substitution	Introduction of CTCRI variety of sweet potato, elephant foot yam	Training and demonstration	10	1500	150
Dhenkanal	Maize	INM	Sulphur management in maize	Training and demonstration	20	1240	400
Dhenkanal	Paddy	IPM	Management of Blast disease in Paddy	Training and demonstration	8	1200	200

#### 3.2 Details of FLDs to be implemented during 2013-14

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Entreprises	Results (q/ha)		% chan ge	No. of farmers				
							De mons	Chec k		SC	ST	OBC	Others	Total
Dhenkanal	ICM	Bitter gourd	Kharif 2013	Cultivation of bitter gourd variety Pusa mousumi with application of PGR Tricontanol @ 2 ml. / lit	0.4	Pusa mousumi								5
Dhenkanal	Varietal Evaluation	Cassava	Kharif 2013	Cultivation of cassava variety <i>Shree visakham</i> .	0.4	<i>Shree visakham</i>								5
Dhenkanal	IPM	paddy	Kharif 2013	Application of fipronil for controlling stem borer in paddy	0.4	<i>Swarna</i>								5

Dhenkanal	IPM	Blackgram	Kharif 2013	Application of Imidachloprid @ 3ml/10lit of water just at floral bud initiation and 2 <sup>nd</sup> spraying after 10 days	0.4	PU-11												5
Dhenkanal	Plant production	Eucalyptus	Kharif 2013	Clones of Eucalyptus will be planted with proper tending operations with biomass product of greater than 20m <sup>3</sup> /ha/yr	0.4	Hybrid clone												5
Dhenkanal	Plant production	Teak	Kharif 2013	Elite stumps of teak will be planted at 3m x 3m spacing with proper tending operations	0.4	Teak												5
Dhenkanal	Small scale Income generation activities	Banaraja	Kharif 2013	Banaraja Rearing	200 nos	Banaraja												20
Dhenkanal	Live stock production Managemnt	Hybrid Napier	Kharif 2013	2-noded slips of Hybrid Napier will be planted at 50cmX50cm spacing with application of FYM	0.4	CO-3												5
Dhenkanal	Drudgery reduction	Bhindi Plucker	Kharif 2013	Demonstration on Bhindi Plucker	50nos.	Bhindi Plucker												10
Dhenkanal	Farm mechanization	Wheel finger Weeder	Kharif 2013	Demonstration on Wheel finger Weeder having working capacity 0.33 ac /day in Groundnut	0.4	Wheel finger Weeder												5
Dhenkanal	Small scale Income generation activities	IMC & Prawn	Kharif 2013	Fish cum Prawn culture	1.0	Catla, Rohu, Mirgal, M.malcomsonii												2
Dhenkanal	Small scale Income generation activities	IMC & Duck	Kharif 2013	Fish cum Duck culture	1.0	Catla, Rohu, Mirgal & Khaki cambell												2

Dhenkanal	ICM	Onion	Rabi 2013-14	Use of High yielding variety N-53 with use of organic seed treatment measure <i>T. viridae</i> & Use of Azospirillum & PSB 10 Kg. / ha	0.4	N-53													5
Dhenkanal	Varietal Evaluation	Sweet Potato	Rabi 2013-14	Use of High yielding variety ST – 14 for higher yield & good for marketing	0.4	ST-14													5
Dhenkanal	Varietal Evaluation	Teasel gourd	Rabi 2013-14	Use of High yielding variety Arka Neelanchal kriti with RDF	0.4	Arka Neelanchal kriti													5
Dhenkanal	IPM	Papaya	Rabi 2013-14	Application of Thiomethoxam for controlling mealybug in papaya	0.4	Red lady													5
Dhenkanal	IDM	Onion	Rabi 2013-14	Application of fungicide(Copper oxychloride + plantomycin for controlling purple blotch disease in onion	0.4	N-53													5
Dhenkanal	Plant production	Salia Bamboo	Rabi 2013-14	Seedlings of salia bamboo ( <i>D.strictus</i> ) will be planted at 3m x 3m spacing with proper tending of operations	0.4	<i>D.strictus</i>													5
Dhenkanal	Plant Production	Badi baunsa	Rabi 2013-14	Cut piece (3-4noded) of full round culm of 1 year old bamboo will be layered horizontally in 2 <sup>nd</sup> week of June	0.4	-													5
Dhenkanal	ICM	Groundnut	Rabi 2013-14	FLD on Groundnut	5.0	<i>Smruti</i>													25
Dhenkanal	ICM	Seasamum	Rabi 2013-14	FLD on seasamum	5.0	<i>Prachi</i>													25
Dhenkanal	Drudgery reduction	Sunflower Threshing bench	Rabi 2013-14	Demonstration on Sunflower Thresher with field capacity 5.1kg/hr for drudgery reduction during threshing by farm women	5no	Sunflower Threshing bench													5

Dhenkanal	Micro Irrigation	Groundnut	Rabi 2013-14	Demonstration on Sprinkler Irrigation in Groundnut	0.4	Smruti											2
Dhenkanal	Farm Mechanization	Greengram	Rabi 2013-14	Demonstration on 3-row bullock drawn inclined plate planter with seed tube spacing of 30 cm and field capacity of 1.0ha/day for sowing of Greengram	0.4	Local Variety											5
Dhenkanal	Farm Mechanization	Bullock drawn Potato digger	Rabi 2013-14	Demonstration on bullock drawn potato digger with working capacity 0.75acre/day	0.4	Bullock drawn Potato digger											5

### 3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check

### 3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Dhenkanal	Paddy	Field days	2	50	
		Farmers Training	4	50	
		Media coverage	1	-	
		Training for extension functionaries	1	15	
Dhenkanal	Cassava	Field days			
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries		-	
Dhenkanal	Groundnut	Field days	2	50	
		Farmers Training	2	50	
		Media coverage	2	-	
		Training for extension functionaries	1	15	
Dhenkanal	Greengram	Field days			
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Dhenkanal	Onion	Field days			
		Farmers Training	2	50	
		Media coverage	1	-	



		Training for extension functionaries	1	15	
Dhenkanal	Teak	Field days	1	25	
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	1	15	
Dhenkanal	Salia Bamboo	Field days	1	25	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries	1	15	
Dhenkanal	Badi Bauns	Field days	1	25	
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Dhenkanal	Hybrid Napier	Field days	1	25	
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Dhenkanal	Seasamum	Field days	2	50	
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Dhenkanal	Fish	Field days	2	100	
		Farmers Training	11	275	
		Media coverage	1	-	
		Training for extension functionaries	1	15	
Dhenkanal	Banaraja	Field days			
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	

### 3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Dhenkanal	Cassava	Shreevisakhm		05	1.0
2	Dhenkanal	Tissue culture Banana	Robusta		05	0.4
3	Dhenkanal	Onion	ALR		10	1.0
4	Dhenkanal	Groundnut	Smruti		25	5.0
5	Dhenkanal	Seasamum	Prachi		25	5.0

## 4. Feedback System

### 4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

## Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
<b>Thematic Areas for Training</b>	
CP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RY	Rural Youth
IS	Extension Personnel

## 5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only.
2. For category, training type and thematic area, use abbreviations only.

**Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme**

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
Dhenkanal	FW	PRA and Farmer scientist interaction		1650
Dhenkanal	RY	PRA and Farmer scientist interaction		285
Dhenkanal	IS	PRA and Farmer scientist interaction		180

**Table 5.2. Details of Training programmes to be conducted by the KVKs.**

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	HOV	Off season vegetable farming	1	1	25								
Dhenkanal	FW	OFC	HOV	Cultivation of exotic vegetables for higher profit	1	1	25								
Dhenkanal	FW	OFC	HOV	Cultivation of Winter & Underutilized vegetables	1	1	25								
Dhenkanal	FW	OFC	HOV	Production technologies and commercial farming of organic vegetables	1	1	25								
Dhenkanal	FW	OFC	HOV	Vegetable based Cropping system	1	1	25								
Dhenkanal	FW	OFC	HOF	Hitech horticulture farming in fruit orchard	1	1	25								
Dhenkanal	FW	OFC	HOF	Processing, Grading, packaging of fruits	1	1	25								
Dhenkanal	FW	OFC	HOF	Management of Old orchards & fruit plant for scion purpose	1	1	25								
Dhenkanal	FW	OFC	HOF	Establishment of mixed orchard	1	1	25								
Dhenkanal	FW	OFC	HOO	production & marketing of cultivation of marigold, rose, gerbera, chrysanthemum, gladiolus	1	1	25								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	HOT	Production of Tuber crops	1	1	25								
Dhenkanal	FW	OFC	HOS	Cultivation of Spices & Aromatic Plants	1	1	25								
Dhenkanal	FW	OFC	HOM	Cultivation and Processing of Medicinal crops	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest Management in paddy	1	1	25								
Dhenkanal	FW	OFC	PLP	Management of blast, sheath blight, and BLB disease in paddy	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in brinjal	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated pest & disease management in pigeon pea	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest and disease management in mango	1	1	25								
Dhenkanal	FW	OFC	PLP	Bio control of pest and disease in vegetable crops	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest and disease management in papaya	1	1	25								
Dhenkanal	FW	OFC	PLP	Management of pest & diseases of G. nut	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest and disease management in cole crops	1	1	25								
Dhenkanal	FW	OFC	PLP	Use of pheromone trap ,bio-agents and bio pesticides in sugarcane	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest and disease management in tuber crops	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest and disease management in sunflower	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest and disease management in onion	1	1	25								
Dhenkanal	FW	OFC	AGF	Exsitu conservation of Jayasandha plant	1	1	25								
Dhenkanal	FW	OFC	AGF	Conservation of some rare medicinal plants	1	1	25								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	AGF	Artificial regeneration of kasi harida and sal	1	1	25								
Dhenkanal	FW	OFC	AGF	Fodder values of different tree species	1	1	25								
Dhenkanal	FW	OFC	AGF	Seed treatment of teak by dumping method	1	1	25								
Dhenkanal	FW	OFC	AGF	Value addition of Tendu, jackfruit and char	1	1	25								
Dhenkanal	FW	OFC	AGF	Urea treatment of straw	1	1	25								
Dhenkanal	FW	ON	AGF	Macro propagation of bamboo	1	1	25								
Dhenkanal	FW	OFC	FIS	Integrated fish farming	2	2	50								
Dhenkanal	FW	OFC	FIS	Carp fry and fingerling rearing	1	1	25								
Dhenkanal	FW	OFC	FIS	Pond preparation before Monsoon	1	1	25								
Dhenkanal	FW	OFC	FIS	Carp breeding and hatchery management	1	1	25								
Dhenkanal	FW	OFC	FIS	Fresh water prawn culture	1	1	25								
Dhenkanal	FW	OFC	FIS	Disease management in carp culture	1	1	25								
Dhenkanal	FW	OFC	FIS	Fish cum prawn culture	1	1	25								
Dhenkanal	FW	OFC	FIS	Feed Management in Composite Pisciculture	1	1	25								
Dhenkanal	FW	OFC	FIS	Yearling rearing	1	1	25								
Dhenkanal	FW	OFC	WOE	Malnutrition and balanced diet	1	1	25								
Dhenkanal	FW	OFC	WOE	Preparation of low cost diet for rural infants	1	1	25								
Dhenkanal	FW	OFC	WOE	Operational Procedure of low cost small tools & implements for eradication of drudgery of Farm women	1	1	25								
Dhenkanal	FW	OFC	WOE	Market led extension for SHGs	1	1	25								
Dhenkanal	FW	OFC	WOE	Household food security by kitchen gardening	1	1	25								
Dhenkanal	FW	OFC	WOE	Gender focused demand driven empowerment process	1	1	25								
Dhenkanal	FW	OFC	WOE	SHGs as vehicle towards promotion	1	1	25								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
				of nutritional security											
Dhenkanal	FW	OFC	WOE	Value addition of Tomato	1	1	25								
Dhenkanal	FW	OFC	WOE	Preparation of silage and hay	1	1	25								
Dhenkanal	FW	OFC	WOE	Preservation of vegetables by drying	1	1	25								
Dhenkanal	FW	OFC	WOE	Role of women in preservation of biodiversity	1	1	25								
Dhenkanal	FW	OFC	AEG	Use of Tillage Implements for Summer Ploughing	1	1	25								
Dhenkanal	FW	OFC	AEG	Use of Seed drill for sowing of Groundnut	1	1	25								
Dhenkanal	FW	OFC	AEG	Use of drum seeder for line sowing of pregerminated paddy seeds	1	1	25								
Dhenkanal	FW	OFC	AEG	Installation and Maintenance of Drip Irrigation in Banana	1	1	25								
Dhenkanal	FW	OFC	AEG	Use of Weeders in field crops	1	1	25								
Dhenkanal	FW	OFC	AEG	Water Management in Field crops	1	1	25								
Dhenkanal	FW	OFC	AEG	Operation & Maintenance of Harvesting implements in Paddy	1	1	25								
Dhenkanal	FW	OFC	AEG	Operation and Maintenance of Groundnut harvesting & Threshing implements	1	1	25								
Dhenkanal	FW	OFC	AEG	Repair & Maintenance of Tractor	1	1	25								
Dhenkanal	FW	OFC	AEG	Mulching technique in vegetable crops for water use efficiency	1	1	25								
Dhenkanal	FW	OFC	AEG	Techniques of soil conservation	1	1	25								
Dhenkanal	RY	ONC	PLP	Treatment of seed and seedlings for control of diseases	1	2	15								
Dhenkanal	RY	ONC	PLP	Bee keeping	1	2	15								
Dhenkanal	RY	ONC	RYH	Different avenues for income generation	1	2	15								
Dhenkanal	RY	ONC	RYH	Production of Vegetable seedlings	1	2	15								
Dhenkanal	RY	ONC	RYH	Production, Processing, packaging and marketing of spices & condiments	1	2	15								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Dhenkanal	RY	ONC	RYH	Cultivation, Post harvest management & marketing of flowers	1	2	15								
Dhenkanal	RY	ONC	RYH	Carp spawn Production in portable carp hatchery	1	2	15								
Dhenkanal	RY	ONC	RYH	Yearling Production	1	2	15								
Dhenkanal	RY	ONC	AGF	Management of protected forest and village forest	1	2	15								
Dhenkanal	RY	ONC	AGF	Preparation of grain lac and lac varnish	1	2	15								
Dhenkanal	RY	ONC	AGF	Value addition in palm craft	1	2	15								
Dhenkanal	RY	ONC	AEG	Cost effective method of Paddy cultivation by using self propelled Rice Transplanter	1	2	15								
Dhenkanal	RY	ONC	AEG	Agriprenurship to establish Agro Service Centre	1	2	15								
Dhenkanal	IS	ONC	EXP	Recent development in eco friendly pest management concept	1	2	15								
Dhenkanal	IS	ONC	EXP	Disease Management in Composite Pisciculture	1	2	15								
Dhenkanal	IS	ONC	EXP	Use of women friendly tools and implements for drudgery reduction	1	2	15								
Dhenkanal	IS	ONC	HOV	Production & Marketing of off season vegetables and flowers under Poly house condition	1	2	15								
Dhenkanal	IS	ONC	HOF	Commercial cultivation of organic vegetables, fruits and flowers	1	2	15								
Dhenkanal	IS	ONC	HOV	Production technology,policy issues for different vegetable seeds	1	2	15								
Dhenkanal	IS	ON	AGF	Wood protection by pongam oil by heating process	1	2	15								
Dhenkanal	IS	ON	AGF	Bio mass estimate of timber species	1	2	15								
Dhenkanal	IS	ON	AGF	Seed treatment of some selected tree species	1	2	20								
Dhenkanal	IS	ONC	AEG	Economics of Drip Irrigation	1	2	15								



**Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs**

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Dhenkanal	Different avenues for income generation	Enterprise	Income generation	2						
Dhenkanal	Bee keeping	Enterprise	Bee keeping	2						
Dhenkanal	Cost effective method of Paddy cultivation by using self propelled Rice Transplanter	Enterprise	Farm mechanization	2						
Dhenkanal	Production of Vegetable seedlings	Crop	Development of Horticultural crops	2						

**Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs**

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	
Dhenkanal	Poultry farming	Poultry unit	10	30	10
Dhenkanal	Fish farming	Fish pond	5	10	12
Dhenkanal	Mushroom	Mushroom unit	25	40	25
Dhenkanal	Technique of seedling raising inside Poly House	Polyhouse	5	15	08

**Table 5.5. Sponsored Training Programmes**

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Dhenkanal														

**Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members**

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		

**Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)**

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	

## 6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Dhenkanal	Field Day	16										
Dhenkanal	Kisan Mela	01										
Dhenkanal	Kisan Ghosthi	10										
Dhenkanal	Exhibition	01										
Dhenkanal	Film Show	20										
Dhenkanal	Method Demonstrations	05										
Dhenkanal	Farmers Seminar	01										
Dhenkanal	Workshop	01										
Dhenkanal	Group meetings	20										
Dhenkanal	Lectures delivered as resource persons	40										
Dhenkanal	Newspaper coverage	10										
Dhenkanal	Radio talks	10										
Dhenkanal	TV talks	02										
Dhenkanal	Popular Articles	10										
Dhenkanal	Extension Literature	16										
Dhenkanal	Farm Advisory Services	40										
Dhenkanal	Scientific visit to farmers field	170										
Dhenkanal	Farmers Visit to KVK	250										
Dhenkanal	Diagnostic Visits	95										
Dhenkanal	Exposure Visits	02										
Dhenkanal	Ex-trainees Sammelan	04										

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Dhenkanal	Soil Health Camp	01										
Dhenkanal	Animal Health Camp	01										
Dhenkanal	Agri Mobile Clinic	-										
Dhenkanal	Soil Test Campaigns	01										
Dhenkanal	Farm Science Club conveners meet	02										
Dhenkanal	Self Help Group conveners meetings	05										

## 7. Production and supply of Technological products

### 7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Dhenkanal	Cereals	Paddy	MTU 1001	SD	150	qtl	210000	200
Dhenkanal		Mushroom spawn	V.volvaceae P.sajarcaju		2.0 1.0	qtl qtl	10000 5000	100

### 7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Dhenkanal	Vegetables	Tomato	Sept, 1 <sup>st</sup> week Jan 1 <sup>st</sup> week	Oct, 1 <sup>st</sup> week Feb, 1 <sup>st</sup> week	100m <sup>2</sup>	Utkal Pragyan, Ananya	Seedling	3750	750	1875	
Dhenkanal	Vegetables	Brinjal	July 1 <sup>st</sup> week, Sept 1 <sup>st</sup> week	Sept, 1 <sup>st</sup> week Oct, 1 <sup>st</sup> week	100m <sup>2</sup>	Utkal Madhuri	Seedling	3750	750	1875	
Dhenkanal	Vegetables	Chilli	Jan 1 <sup>st</sup> week july 1 <sup>st</sup> week	Feb, 1 <sup>st</sup> week Aug, 1 <sup>st</sup> week	100m <sup>2</sup>	Utkal ava	Seedling	3750	750	1875	

Dhenkanal	Vegetables	Papaya	June 1 <sup>st</sup> week	July, 1 <sup>st</sup> week	100m <sup>2</sup>	Red lady	Seedling	3750	750	1875	
Dhenkanal	Tree species	Teak	April 1 <sup>st</sup> week	Aug. last week	100m <sup>2</sup>	Local	Seedling	3000	6000	15000	
Dhenkanal	Tree species	Sisu	April 1 <sup>st</sup> week	Aug. last week	100m <sup>2</sup>	Local	Seedling	3000	6000	15000	
Dhenkanal	Tree species	Mangium	April 1 <sup>st</sup> week	Aug. last week	100m <sup>2</sup>	Local	Seedling	3000	6000	15000	
Dhenkanal	Tree species	Bamboo	April 1 <sup>st</sup> week	Aug. last week	100m <sup>2</sup>	Local	Seedling	3000	6000	15000	
Dhenkanal	Tree species	Amla	April 1 <sup>st</sup> week	Aug. last week	100m <sup>2</sup>	Local	Seedling	3000	6000	15000	

### 7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Dhenkanal	BIOAGENTS				
Dhenkanal	BIOFERTILIZERS	10qtl	1750	5000	
Dhenkanal	BIO PESTICIDES				

### 7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Dhenkanal	Poultry	Banaraja	21 days old chick	200	5000	8000	
Dhenkanal	Fisheries	Carp	Fry	1 lakh	5000	12000	

## 8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : 2004-05

### 8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Dhenkanal	Soil Sample	1000	500	40	-	
Dhenkanal	Water Sample					

## 9. Rainwater Harvesting, if available.

### Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Dhenkanal										

## 10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Dhenkanal	150	900	100	Advance technology and crop schedule

## 11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Dhenkanal	08.07.2013	22	
Dhenkanal	10.11.2013	22	

## 12. Literature to be Last Developed/Published (with full title, author & reference)

### 12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Dhenkanal	April, 2013	Quarterly	500	500

### 12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Dhenkanal	CD	ATMA	6

### 12.3 PUBLICATIONS

Category	Number	Type	Title	Author's name	Number of copies
Research Paper	01	National Journal			
Technical bulletins	04	Quarterly leaflet			
Technical reports	2	Half yearly, Annual, MPR, QPR			
Popular article	06	Odia			
News paper coverage	10	Local Odia paper			
Year Planner	1	Leaf folder			
Others (pl. specify)					

### 13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Dhenkanal	ATMA	Central	-	Assessment	Dhenkanal district	
Dhenkanal	MNREGA					
Dhenkanal	NHM					
Dhenkanal	RKVY					
Dhenkanal	DRDA					
Dhenkanal	Zila Panchyat					
Dhenkanal	Seed Village					
Dhenkanal	NAIP					
Dhenkanal	Climate Change					
Dhenkanal	BGREI					
Dhenkanal	Others (Plz. Specify)					

### 14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): 20

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Dhenkanal		2013	Income generation activity, integrated fish farming, Seedling production, Bee keeping, agro Service centre	2	300	20	

### 15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Dhenkanal	2010	2011	05	-	

### 16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sl .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Dhenkanal	Yes	ZPD

**b) Details about Technology Park**

<b>Name of KVK</b>	<b>Name of Component of Park</b>	<b>Detail Information (If established)</b>
Dhenkanal	Crop Cafeteria	<b>Mushroom, poultry, carp hatchery, agroshednet, poly house, vermin unit,IFS</b>
Dhenkanal	Technology Desk	News letter SABUJA BARTA(quarterly publication), Year calendar, Publication – 10-15 Nos., News paper cutting, District profile-Rain fall data, Major crops, Pesticide & Fertilizer use, Vermi compost use, farm mechanization
Dhenkanal	Visitors Gallery	Photographs of different activity of K.V.K like O.F.T , F.L.D, Training, Field day, P.R.A Survey , on-farm activity , demo unit, crop cafeteria, special day celebration are displayed for visitors
Dhenkanal	Technology Exhibition	Mushroom production unit, Vermi-compost unit, Green house, poly house, Zero energy cool chamber, Mulching of fruit crop, Mushroom cultivation in poly house, Three layer system of fish cultivation, Nets used in fishing, Apiary
Dhenkanal	Technology Gate-Valve	It is the exit point of the park. In one room of the K.V.K, different materials of farm like vegetable seedling (tomato, brinjal, chilli, Papaya, Onion) , seeds, poultry birds (Banaraja), vermicompost have been kept for selling.

**c). Crop Cafeteria-**

<b>Sr. No.</b>	<b>Theme of Crop Cafeteria</b>	<b>No. of Crop Cafeteria</b>
1	Tomato	1
2	Brinjal	1
3	Chilli	1
4	Papaya	1
5	Cashewnut	1
6	Agroshednet	1
7	Mushroom unit	1
8	Poultry unit	1
9	Vermicompost units	2
10	Fish fry	1
11	Ducklings	1

**17. Farm Innovators- list of 10 Farm Innovators from the District**

<b>Sr. No.</b>	<b>Name of kvk</b>	<b>Name of Farm Innovator</b>	<b>Name of the Innovation</b>	<b>Address of the farmer with Mobile No.</b>
1	Dhenkanal	Prabesh Kumar Jena	IFS	Gobindaprasad, Odapada, 7504954390
2	Dhenkanal	Tapan Panda	Yearling production	Analabareni, Kamakhyanagar,9861176706
3	Dhenkanal	Jhunubala sahu	Mushroom	Lambodarpur, Dhenkanal 9861039964
4	Dhenkanal	Sarojini Sahu	Value addition	Khandabandha, Gondia,9776759493
5	Dhenkanal	Tinka Panda	Cashew processing	Ostapala,,Dhenkanal 9437231969
6	Dhenkanal	Chaitanya Baske	Vegetable cultivation	Majhisahi, Dhenkanal,9777156293
7	Dhenkanal	Ghanashyam padhy	High tech farming	Bhgirathipur, Dhenkanal 9437388555
8	Dhenkanal	Chakradhara Maharana	Lac craft	Gondia, 8895475270
9	Dhenkanal	Dularam Baske	Production of Para Rubber	Majhisahi, Dhenkanal, 9178429568
10	Dhenkanal	Prem Sankar Mishra	Farm Mechanization	Katasamada, Dhenkanal ,9437094042

**18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.**

<b>Sl. No.</b>	<b>Date and month of interaction programme with progressive farmers</b>	<b>No. of progressive farmers to be participated</b>
1	9 <sup>th</sup> May	15
2	11 <sup>th</sup> July	15
3	21 <sup>st</sup> August	15
4	25 <sup>th</sup> Sept	15
5	12 <sup>th</sup> Oct	15
6	23 <sup>rd</sup> Nov	15
7	14 <sup>th</sup> Dec	15
8	!6 <sup>th</sup> Jan	15
9	!4 <sup>th</sup> Feb	15
10	10 <sup>th</sup> March	15



### 19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Dhenkanal	4	4	15	35

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

### 20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

### 21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Jajpur and Angul	Technology, workshop, ex trainee samelan and meeting	

### 22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Dhenkanal	Vice Chancellor, OUAT	23.04.2013	
Dhenkanal	Dean Extension Education,OUAT	08.07.2013	
Dhenkanal	Dean Extension Education, OUAT	10.11.2013	

### 23. Status of KVK Website:

S. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Dhenkanal	28.06.2011	5	250

### 24. Status of RTI

S. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Dhenkanal		

### 25. E-CONNECTIVITY (ERNET Lab)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectures organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Dhenkanal							

## 26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Dhenkanal	Gosthies	5	150	Paddy, Groundnut, fishery
Dhenkanal	Lectures organized	6	300	INM, IPM, Value
Dhenkanal	Exhibition	6	300	Enterprises and value addition
Dhenkanal	Film show	12	300	Crop and livestock
Dhenkanal	Fair	1	100	Agricultural technology
Dhenkanal	Farm Visit	10	100	Horticulture
Dhenkanal	Diagnostic Practical's	10	200	Liming, seed treatment, soil collection, repair of tractor, feeding to fish
Dhenkanal	Distribution of Literature (No.)	10	2500	Agricultural technology
Dhenkanal	Distribution of Seed (q)	120	20	Paddy
Dhenkanal	Distribution of Planting materials (No.)	20000	100	Vegetables
Dhenkanal	Bio Product distribution (Kg)	2000	20	Vermicompost
Dhenkanal	Bio Fertilizers (q)			
Dhenkanal	Distribution of fingerlings (No)	20000	10	Fish(IMC)
Dhenkanal	Distribution of Livestock specimen (No.)	200	20	Banaraja
Dhenkanal	Total number of farmers visited the technology week	6	300	Soil and Animal health camp, etc

## 27. INTERVENTIONS ON DROUGHT MITIGATION

### Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Dhenkanal	Gnut	05	25
Dhenkanal	Arhar	05	25

### Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Dhenkanal	Oilseeds	5.0	50
Dhenkanal	Pulses	0.8	2
Dhenkanal	Cereals	5.0	15
Dhenkanal	Vegetable crops	5.0	25
Dhenkanal	Tuber crops	0.5	2
Dhenkanal	Fruits	1.0	10
Dhenkanal	Spices		
Dhenkanal	Cotton		
Dhenkanal	<b>Total</b>	<b>27.3</b>	<b>104</b>

### Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No.of participants
Dhenkanal	Dairy Management	3	75
Dhenkanal	Disease management	1	50
Dhenkanal	Feed and fodder technology	3	75
Dhenkanal	Poultry management	2	50

### Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Dhenkanal	01	200	50

### Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Dhenkanal	Groundnut	3	5	25
Dhenkanal	Paddy	2.25	3	15
Dhenkanal	vegetables	0.5	5	10
Dhenkanal	Seasamum	1.0	5	25

### Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
Dhenkanal	Brinjal	2000	0.2	2
Dhenkanal	Chilli	2000	0.1	4
Dhenkanal	Papaya	2000	0.5	5
<b>Saplings</b>				
Dhenkanal	Banana	500	0.6	5
Dhenkanal	Mango	100	2	4

### Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Dhenkanal	<i>Trichoderma Viridae</i>	10	2.0	10

### (e) Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Dhenkanal	Azatobacter	10	5	13
Dhenkanal	<i>Rizobium</i>	15	10	26

### (f) Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Dhenkanal	<i>E.foetida</i>	0.04	-	1
Dhenkanal	Vermicompost	20	-	20

### Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Dhenkanal	Cultivation of fruits	25	125
Dhenkanal	Drought tolerant crop and sort duration variety	100	220
Dhenkanal	Integrated Crop Management	150	400
Dhenkanal	SRI	800	2000
Dhenkanal	weed management in groundnut	1200	2500
<b>Total</b>			

### Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Dhenkanal	20	500	5	150	10	500	1	100	1	200	06	180
<b>Total</b>	20	500	5	150	10	500	1	100	1	200	06	180

### 28. Proposal of NICRA

#### 1. Technologies to be demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

#### 2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

#### 3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

**4. Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

**5. Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

**6. Public Representative/District Administration Visited in NICRA Village**

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

29. Proposed works under NAIP (in NAIP monitoring format)

**30. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Dhenkanal	30306531704			

**31. Awards & Recognitions**

KVK Name	Name of award /awardees	Type of award Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Dhenkanal	Progressive farmer	Farmer	KVK & OUAT	-

**32. Case study / Success Story to be developed – Two best only in the following format**

Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies

33. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem)