

ANNUAL PROGRESS REPORT

(April 2013-March 2014)



KVK, DHENKANAL



Orissa University of Agriculture & Technology
Bhubaneswar

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REPORTING PERIOD – April 2013 to March 2014

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	22	209	
	On Going OFT	6	56	
	Technologies assessed (Completed OFT)	16	153	
	Technologies refined			
	On farm trials conducted	22	209	
2	Frontline demonstrations			
	Proposed Frontline demonstrations	24	175	
	On Going Frontline demonstrations	5	19	
	FLDs conducted on crops	15	129	
	Area under crops (ha.)	15.2	129	
	FLD on farm implement and tools	4	31	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	1	20	
	FLD on Fisheries - Finger lings	2	4	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)			
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	2	18	
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	48	51	1200
	Farm women	11	11	275
	Rural youth	13	26	195
	Extension personnel/ In service	8	16	120
	Vocational trainings	4	8	60
	Sponsored Training	1	1	50
	Total	85	113	
		No. of programmes	Participants	
4	Extension Programmes	882	3618	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	75.4	0	
	Planting material produced (nos.)	15645	144	
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)			
	Milk Yield - Cow, Buffelo etc. (in liter)			
	Fish (Kg.)			
	Fingerlings (nos.)	400000	6	
	Poultry-Eggs (nos.)			
	Ducks (nos.)			
	Chicks etc. (nos.)	412	40	

7	Bio Products		
	Bio Agents -Earth worm (Kg.)		
	Trichoderma (kg.)		
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	240	20
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)		
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries
	Award (Best KVK award and scientist and farmer's award)	10	10
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	8	3950
	KVK News letter	4	1650
	SAC Meetings conducted	1	26
	Soil sample tested	750	150
	Water sample tested	55	55
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)		
	KVK-KMA (Message and beneficiaries)	118	1000
	Convergence programmes		
	Sponsored programmes	1	50
	KVK Progressive Farmers interaction	4	105
	No. of Technology Week Celebrations		
	Attended HRD activities organized by ZPD	8	6
	Attended HRD activities organized by DES	10	10
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	3	2
9	Current status of Revolving Funds (Amt. in Rs.)		
10		No. of blocks	No. of villages
	Outreach of KVK in the District	8	1215
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	2	3
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	6
13		Application received	Application disposed
	Status of RTI (nos.)		
14		Query received	Query dissolved
	Citizen Charter (nos.)	6	6
15		Working (Yes/No)	No. of programme viewed
	E-connectivity	No	
16		Filled	Vacant
	Staff Position	16	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)		
18	Publication received from ICAR /other organization (nos.)		
19		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	Cyclone	ZPD, SAU, Agril. Deptt.

GENERAL INFORMATION

1.1. Staff Position (31.03.2014)

Summary of Staff position in KVKs on March, 2014

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Dhenkanal	16	1	1	6	6	3	3	6	6	16	16

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Dhenkanal	Programme Coordinator	Mr. M. Mohapatra	Agril.Extension	M. Sc. (Ag.)	Extension	15,600-39,100	21390+6000	02.12.13	Permanent	Gen
Dhenkanal	Subject Matter Specialist1	Smt. S. Pal	Home Science	M.Phil	Home Science	15,600-39,100	21390+6000	15.11.07	Temporary	Gen
Dhenkanal	Subject Matter Specialist2	Sri Sidhartha Kar	Horticulture	MSc(Ag)	Horticulture	15,600-39,100	18320+6000	01.10.09	Temporary	Gen
Dhenkanal	Subject Matter Specialist3	Sri D Panda	Entomology	M.Sc. (Ag.)	Entomology	15,600-39,100	21390/+6000	06.04.11	Temporary	Gen
Dhenkanal	Subject Matter Specialist4	Smt.D. Paramjita	Agril.Engg	MTech	Soil & Water Conservation Engg	15,600-39,100	17610+6000	07.12.12	Temporary	Gen
Dhenkanal	Subject Matter Specialist5	Sri M.Mohanty	Forestry	MSc (Forestry)	Forestry	15,600-39,100	21390+6000	15.12.12	Temporary	Gen
Dhenkanal	Subject Matter Specialist6	Smt. M. Prusty	Soil Science	M. Sc. Soil Science	Soil Science	15,600-39,100	18320+6000	03.03.14	Temporary	Gen
Dhenkanal	Programme Assistant	Sri. Jashobanta Sahoo	fishery	BFSc.	Fishery	9300-34,800	12930+4200	04.10.09	Temporary	OBC
Dhenkanal	Farm Manager	Sri. Manoj Kumar Pradhan	Seed Technology	Msc(Ag)	Seed Technology	9300-34,800	12430+4200	03.07.12	Temporary	Gen
Dhenkanal	Computer Programmer	Sri. G. D. Moharana	Computer	MCA	Computer	9300-34,800	12930+4200	18.06.12	Temporary	Gen
Dhenkanal	Accountant / superintendent	Sri. M. Sahoo	S.O.	BA		9300-34,800	12930+4200	14.02.14	Temporary	Gen
Dhenkanal	Stenographer	Sri G.R. Das	-	B.A.	-	5,200-20,200	6980+2400/-	08.01.07	Temporary	Gen
Dhenkanal	Driver	Sri K.B. Mohanty	-	UP	-	5,200-20,200	6600+1900/-	24.07.07	Temporary	Gen
Dhenkanal	Driver	Sri N.M. Sahoo	-	UP	-	5,200-20,200	6600+1900/-	25.07.07	Temporary	Gen
Dhenkanal	Supporting staff	Smt. Ahalya Baral	-	UP	-	4440-7440	6480 + 1300	28.07.08	Temporary	Gen
Dhenkanal	Supporting staff	Sri Kumar Beja	-	UP	-	4440-7440	6800 + 1300	07.10.13	Temporary	SC

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

KVK Name	Agro-climatic zone	No . of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Dhenkanal	Mid Central Table Land	08	199	1192801	49.94%	136501 & 197280	108337	1.42 ha

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	Arada	2012	Dhenkanal Sadar	12 km	1025	175
Dhenkanal	Nachhipura	2011	Dhenkanal Sadar	10 km	950	120
Dhenkanal	Jamujhara	2010	Kamakshyanagar	30km	518	105
Dhenkanal	Bangursingh	2010	Odapada	30km	1600	320
Dhenkanal	Bangu	2009	Hindol	80 km	320	75
Dhenkanal	Majhisahi	2008	Dhenkanal Sadar	20 km	185	29
Dhenkanal	Deojhar	2008	Gondia	35 km	436	74

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

KVK Name	THRUST AREA
Dhenkanal	➤ Cultivation of HYV Rice 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, vermi-composting
Dhenkanal	➤ Commercial plantation of economically important tree species.
Dhenkanal	➤ Development of Agro-forestry systems
Dhenkanal	➤ Scientific management of minor forest produces

1.4. 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	Arada & D. Sadar
Dhenkanal	Imbalance fertilizer management	Through PRA tools and Discussion with the group of farmer	Mahadia & Odapada
Dhenkanal	Yield loss due to insect pest and diseases	Through PRA tools and Discussion with the group of farmer	Majhisahi & Sadar
Dhenkanal	Weed problem	Through PRA tools and Discussion with the group of farmer	Jamujhara & Kamakhyanagar
Dhenkanal	Shortage of quality seeds	Through PRA tools and Discussion with the group of farmer	Bangu & Hindol
Dhenkanal	Low pod yield pulses	Through PRA tools and Discussion with the group of farmer	Deojhar & Gondia
Dhenkanal	Traditional varieties	Through PRA tools and Discussion with the group of farmer	Ekagharia & Odapada
Dhenkanal	Traditional method of sugarcane cultivation	Through PRA tools and Discussion with the group of farmer	Motori & Odapada
Dhenkanal	Lack of proper management practices of winter vegetables	Through PRA tools and Discussion with the group of farmer	Gunadei & Odapada
Dhenkanal	Shortage of planting material	Through PRA tools and Discussion with the group of farmer	Kasiadihi & Odapada
Dhenkanal	Improper management of cashew orchards, un employment problem of rural youths	Through PRA tools and Discussion with the group of farmer	Saptasajya & Sadar
Dhenkanal	Un availability planting material and lack of knowledge about scientific method of cultivation.	Through PRA tools and Discussion with the group of farmer	Gajamara & Sadar
Dhenkanal	Lack of knowledge about scientific method of cultivation.	Through PRA tools and Discussion with the group of farmer	Bhangamal & Sadar
Dhenkanal	Insect pest attack	Through PRA tools and Discussion with the group of farmer	Parbatia & Sadar

Dhenkanal	Low income due to traditional method of fish culture	Through PRA tools and Discussion with the group of farmer	Jamujhara & Kamakhyanagar
Dhenkanal	Aquatic Weed	Through PRA tools and Discussion with the group of farmer	Bangu & Hindol
Dhenkanal	Lack of feeding	Through PRA tools and Discussion with the group of farmer	Deojhar & Gondia
Dhenkanal	Diseases	Through PRA tools and Discussion with the group of farmer	Lambador pur & Hindol
Dhenkanal	Non availability of ornamental fishes	Through PRA tools and Discussion with the group of farmer	Harekrushnapur & Sadar
Dhenkanal	Low milk yield of desi cows	Through PRA tools and Discussion with the group of farmer	Belpada & Odapada
Dhenkanal	Low body weight of desi birds	Through PRA tools and Discussion with the group of farmer	Dengabarei & Sadar
Dhenkanal	Under utilization of Rice straw	Through PRA tools and Discussion with the group of farmer	Lambador pur & Hindol
Dhenkanal	Under utilization of oyster mushroom cultivation	Through PRA tools and Discussion with the group of farmer	Bangursingh & Odapada
Dhenkanal	Improper utilization of family labour and home stead lands	Through PRA tools and Discussion with the group of farmer	Salipur & Kankadahad
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	Khalibandha & Sadar
Dhenkanal	Shortage of quality timbers	Through PRA tools and Discussion with the group of farmer	Nuagaon & Sadar
Dhenkanal	Unutilization of Waste land	Through PRA tools and Discussion with the group of farmer	Deojhar & Gondia
Dhenkanal	Shortage of quality timbers, unutilized farm bunds	Through PRA tools and Discussion with the group of farmer	Jamujhara & Kamakhyanagar
Dhenkanal	Lack of quality planting material of forest species	Through PRA tools and Discussion with the group of farmer	Bangu & Hindol

2. On Farm Testing

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farmin g Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	
Dhenkanal	2013-14	Khari f-13	Less use of space in orchard, low income & high risk	Assessment of intercropping of solanaceous vegetable in orchard.	Assessment	ICM	Mango Tomato Brinjal Chilli	Up land Irrigated condition	08	Mango-42 q/ha	Mango-40 q/ha Solanaceous vegetable average-211.33 q./ha	50,000	1,61,564	Intercropping of vegetable provides high income by space management in orchard. It may also practice in cashew orchard.
Dhenkanal	2013-14	Khari f	Low yield of Rice due to high incidence of blast	Assessment of Tricyclazole for controlling blast in Rice	Assessment	IDM	Rice	Rainfed	13	30.76	41.93	21396	33428	Yield has been increased & disease is checked due to fungicide application
Dhenkanal	2013-14	Khari f	Low yield of Rice due to high infestation of BPH	Assesement of buprofezin for controlling BPH in Rice	Assessment	IPM	Rice	Rainfed	13	33.69	41.50	25084	32165	Crop yield has been increased & pest infestation is reduced
Dhenkanal	2013-14	Khari f-13	Non availability of seed and users preference result in decrease in population of Bambusa vulgaris (sundarkani bamboo)	Assessment of vegetative propagation of sundar kani bamboo through juvenilebranch cutting	Assessment	Plant production	Bamboo	Rainfed upland	13	12 seedlings / culm	30 seedlings / culm	Rs 28/culm	Rs 60 / culm	Branches are derived from a culm of age below 1 year; also branches below 1 year old. Can be derived from other cultures. Seedlings raised premonsoon are preferred for

														exsitu planting ; and those raised during monsoon are preferred for insitu planting in rainfed situation
Dhenkanal	2013-14	Khari f-13	Tree seedlings give less growth and vigour when grown in traditional polypots	Assessment of the seedlings growth and development raised in root trainers	Assessment	Plant production	Haldu	Rainfed upland	13	Secondary roots = 11.3, Tertiary roots = 51.0	Secondary roots = 17.2, Tertiary roots = 139.4	2778.00	4444.00	Seedlings produced in root trainer are having massive root system which enable to thrive in water stress and drought condition seed in rainfed upland
Dhenkanal	2013-14	Khari f-13	Non availability of kusmilac in the locality for lac craft	Assessment of kusmilac inoculation in Flemingia semialata	Assessment	Lac culture	Kusmi lack	Rainfed upland						Result awaited
Dhenkanal	2013-14	Khari f-13	Pluckers lop sal plants haphazardly and massively leading to less photo synthesis and less wood formation	Assessment of effect of lopping on wood formation of sal plants	Assessment	Plant production	Sal	Rainfed upland						Result awaited
Dhenkanal	2013-14	Khari f	High labour cost and time involved in manual transplanting of Rice	Assessment of 8-row Pregerminated Rice Drum Seeder	Assessment	Farm Mechanization	Enterprise	Rainfed Upland	13	40.5	43.2	28025	35892	Eight row Rice Drum Seeder is suitable for rainfed upland and medium land condition as it saves

														labour cost and seed rate.
Dhenkanal	2013-14	Khari f -13	Production potential from traditional fish species IMC culture is less	Assessment of profitability and yield increased by introduction of medium carps along with traditional 3 species IMC culture	Assessment	Production & Management	IMC & Medium carps	Small to medium tank	02	18.3	18.84	71400	94000	Stocking of IMC and medium carps at the ratio of 3:2:2:3
Dhenkanal	2013-14	Khari f -13	Turbidity during monsoon in newly excavated tank	Assessment of alum treatment in clearing water turbidity in newly excavated pisciculture tanks during monsoon season	Assessment	Production & Management	Alum	Small to medium tank	02	17.6	18.7	70800	79600	Apply alum @20 kg/ ac per meter of water
Dhenkanal	2013-14	Rabi - 13	Low yield & less no. of flower.	Assessment of Gibberelic Acid in brinjal.	Assessment	ICM	Brinjal	Medium land	10	777.6 q./ha.	1188 q./ha.	3,88,800	5,94,000	Gibberelic Acid is highly recommended for brinjal crop both before one month of flowering & for second crop @60 ppm to 100 ppm
Dhenkanal	2013-14	Rabi 2013-14	Low market rate. High damage after harvesting & Lack of knowledge about post	Assessment of Impact of grading, packaging of mango for higher income.	Assessment	IGA	Post harvest management of mango.	Upland	13	Contd.				

			harvest management											
Dhenkanal	2013-14	Rabi-2013-14		Assessment of raising of vegetable seedling under low cost polyhouse.	Assessment	IGA	Vegetable nursery management.	Upland	03	Contd.				
Dhenkanal	2013-14	Rabi	Low yield of brinjal due to high infestation of shoot and fruit borer	Assessment of Flubendiamide for controlling shoot and fruit borer in Brinjal	Assessment	IPM	Brinjal	Irrigated	13	257.53	294.43	168974	196644	Fruit yield has been increased & pest infestation is reduced
Dhenkanal	2013-14	Rabi	Low yield of sugarcane due to high infestation of early shoot borer	Assessment of trichogramma chilonis for controlling early shoot borer in sugarcane	Assessment	IPM	sugarcane	Irrigated	13					Result awaited
Dhenkanal	2013-14	Rabi	High labour cost and more time involved in large scale Groundnut decortication by means of hand operated Groundnut Decorticator	Assessment of Power operated Groundnut Decorticator	Assessment	Farm Mechanization	Enterprise	Irrigated Medium land	05	13.5	13.5	24920	30320	Power operated Groundnut Decorticator is highly recommended for large scale groundnut decortication as its capacity is 92kg/hr
Dhenkanal	2013-14	Rabi	Highly labour intensive and time involved	Assessment of self propelled Rice Reaper	Assessment	Farm Mechanization	Enterprise	Rainfed Up;and	05	44.1	44.1	34921	36171	Rice Reaper is a very good self propelled implement for harvesting of

			due to manual harvesting of Rice by means of sickle.														Rice as it is easy to operate and also solves labour crisis to a greater extent.
Dhenkanal	2013-14	Rabi	Low yield due to scarcity of water throughout the cropping season	Assessment of Drip Irrigation in Banana	Assessment	Micro Irrigation	Enterprise	Rainfed Medium Land	01	Contd.							

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)
Dhenkanal	Assessment of intercropping of solanaceous vegetable in orchard.	Yield quintal/hactare Mango (FP) Mango+Sol anaceous vegetable(RP)	42	40(Mango) +211.33	12,500	67,000		63,000	1,61,564		50,500	1,61,564		5.04	2.41	
Dhenkanal	Assessment of Gibberelic Acid in Brinjal.	Yield quintal/hactare	777.6	1188	55,003	68,000		3,88,800	5,94,000		3,33,797	5,26,000		7.06	8.73	
Dhenkanal	Assessment of Impact of grading,	Growth of Income in Rs.	Continued													

	packaging of mango for higher income.															
Dhe nkan al	Assessment of raising of vegetable seedling under low cost polyhouse.	Survival %	Continued													
Dhe nkan al	Assessment of Tricyclazole for controlling blast in Rice	Yield q/ha (Disease incidence) PDI	30.76 (23.2)	41.93 (13.2)	18900	21500		40296	54928		21396	33428		2.13	2.55	
Dhe nkan al	Assessment of buprofezin for controlling BPH in Rice	Yield q/ha (Avg. BPH, Nos /hill)	33.69 (19.2)	41.50 (7.2)	19050	22200		44134	54365		25084	32165		2.31	2.44	
Dhe nkan al	Assessment of Flubendiamide for controlling shoot and fruit borer in Brinjal	Yield q/ha (Shoot damage, fruit damage)	257.53 (20.5, 23.2)	294.43 (6.9, 8.8)	37050	38900		206204	235544		168974	196644		5.56	6.05	
Dhe nkan al	Assessment of trichogramma chilonis for controlling early shoot borer in sugarcane	Yield q/ha (Pest infestation) Continued														
Dhe nkan	Assessment of	Seedling per culm	12	30	3666	2500		4500	3500		834	1000		1.22	1.40	

al	vegetative propagation of sundar kani bamboo through juvenile branch cutting	(No.)														
Dhe nkan al	Assessment of the seedlings growth and development raised in root trainers	Tertiary roots (No.)	51	139.4	2778	4444		5555	8888		2778	4444		1.20	2.00	
Dhe nkan al	Assessment of kusmilac inoculation in Flemingia semialata	Continued														
Dhe nkan al	Assessment of effect of degree of lopping on wood formation of sal plants	Continued														
Dhe nkan al	Assessment of 8-row Pregerminated Rice Drum Seeder	Labour requirement (MDS/ha)	31	03	25030	20700	-	53055	56592		28025	35892	--	2.11	2.73	-
Dhe nkan al	Assessment of Power operated Groundnut Decorticato r	Working Capacity (Kg/hr)	02	92	22330	16930	-	47250	47250	-	24920	30320		2.11	2.79	
Dhe nkan	Assessment of self	Labour requirement	0.625	25	22850	21600		57771	57771		34921	36171		2.52	2.67	

al	propelled Rice Reaper	(MDS/ha)														
Dhe nkan al	Assessment of Drip Irrigation in Banana	Continuing														
Dhe nkan al	Assessment of profitability and yield increased by introduction of medium carps along with traditional 3 species IMC culture	Yield (% change)	3%		73000	75200		146400	169200		71400	94000		1.97	2.25	
Dhe nkan al	Assessment of alum treatment in clearing water turbidity in newly excavated pisciculture tanks during monsoon season	Transparency (Cm)	21	32	83600	88600		156600	168300		70800	79600		1.84	1.89	

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Dhenkanal	2013-14	Kharif	Biological efficiency is low in Rice Straw Mushroom cultivation	Assessment on production of milk mushroom for income generation	Assessment	Small Scale Income Generation Activity	Cultivation of Milk Mushroom with 60 to 80 % of biological efficiency and keeping quality up to 6 days	It is white in colour. It is cultivated in bags at 25 degree 38 degree temp. & 80% to 85% humidity with casing in sterilized vermicompost or FYM	Backyard	13	An alternative to Rice straw mushroom in Kharif season; As it is not available in market, consumer preference would be studied in FLD stage
Dhenkanal	2013-14	Kharif	High drudgery involved in manual sugarcane bud chipping	Assessment of sugarcane bud chipper for drudgery reduction of farm women	Assessment	Drudgery Reduction	Removes the bud from the node of the sugarcane and minimises the time, money and also seed rates(2qtl/ha	Field capacity 250 buds /hr. seed rate 2qtl/ha	Medium Land	13	Crop yet to be harvested
Dhenkanal	2013-14	Rabi	Post harvest loss due to inadequate access to refrigeration facility	Assessment of zero energy cool chamber	Assessment	Small Scale Income Generation Activity	Temp. of zero energy cool chamber remains within 10 to 15 degree centigrade in which the self life of leafy veg. is upto 3 days, other veg. - 5 days, potatoes - 52 days, mango - 8 days.	Length- 165cm, breadth- 115cm, height- 67.5cm with a cavity of 7.5cm	Backyard	2	Suitable for places without electricity; Saving in electricity cost
Dhenkanal	2013-14	Rabi	Lack of knowledge & skill on	Assessment on preparation	Assessment	Value Addition	Roasting of cleaned peanut kernel to	Crunchy in taste with brownish colour. Peanut butter (1	Home Based	13	Potential for home based consumption; Nutritious diet;

			preparation of peanut butter leads to low income	of peanut butter			remove red skin The kernels are ground in grinding machine with addition of hydrogenated vegetable oil at 5% level and salt at 2% level to a smooth fine paste	servicing) contains monounsaturated fat (3.79g), Poly unsaturated fat(2.21) fiber, (1g)protein, (4.01)and a good number of vitamin-B and Vitamin-E (16%) and minerals.			Possibility of exploring market
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2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output m ² /h		Est. Energy Expenditure kj/min.		WHR beat/m in		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Savings in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Dhenkanal	Assessment on production of milk mushroom for income generation											1200 gm/bag	NA	Rs.35/bag	NA	Rs.72/bag	NA	1200 gm. bag	NA	Rs.37 per bag	NA	2.06	
Dhenkanal	Assessment of sugarcane bud chipper for drudgery reduction of	152 buds/hr	284 buds/hr	3.9kj/min/bud	2.1 kj/min/bud	116	121	NA	46%	NA	86%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

	farm women																						
Dhenkanal	Assessment of zero energy cool chamber			NA			NA		NA		NA		1200 kg/yr	Rs.800/unit/year- (Depreciation: Rs.4000/- 5 yrs)		Rs.2400/yr		NA		NA	Rs.1600/unit/yr	Rs.1600 per unit per yr	3.0
Dhenkanal	Assessment on preparation of peanut butter			NA			NA		NA				NA	NA		Rs.1800 per 10 kg		NA			Rs.1800 per 10 kg	Rs1800 per 10 kg	4.6

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Dhenkanal	Need for variation in design of Zero Energy Cool chamber so temperature can be regulated for different vegetables
Dhenkanal	Need for modification in design of Sugarcane Bud Chipper for further increase in efficiency of farm Women
Dhenkanal	Enhance the storage life of peanut butter through addition of chemicals, combination of different food additives & spices to peanut butter for consumer preference
Dhenkanal	Variation in use of combination of substrate for better taste and flavor of milk mushroom. Any other substance as casing material instead of sterilized FYM and vermi compost
Dhenkanal	During continuous operation of 8-row Rice drum seeder , the cover of drum is opening frequently as a result seeds are also dropping abruptly and another is seeds are falling in a distracted manner and the height of the from the puddle field should be little bit high in comparison to the present design.

3. Achievements of Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years

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	Bitter gourd	ICM	Cultivation of improve variety of Bitter gourd with application of Tricontanol.	Cultivation of improve variety of Bitter gourd and application of Tricontanol @ 2ml./liter at 2 to 4 leaf stage.	08	22	15
Dhenkanal	Banana	ICM	Cultivation of Tissue culture banana.	Cultivation of Tissue culture banana variety Bantala.	28	60	110
Dhenkanal	Onion	ICM	Cultivation of onion with application of Bio-fertiliser.	Cultivation of onion variety N-53 with application of Bio-fertiliser (Azospirillum+PSB+Bacillus thuriengensis+Trichoderma viridae) @ 10 Kg./hactare.	45	245	328
Dhenkanal	Potato	ICM	Cultivation of Potato (Demonstration of Year 2012-13)	Cultivation of Potato variety Kufri Surya.	82	325	500
Dhenkanal	Rice	IDM	Application of chemicals(Copper oxychloride + Plantomycin) for control of BLB in rice.	Trainings, demonstrations, Group Meetings	25	210	4000
Dhenkanal	Brinjal	IPM	Application of bio-control measure (soil incorporation of neem cake with foliar application of multi neem for management of brinjal fruit and shoot borer.	Trainings, demonstrations, Group Meetings	12	120	350
Dhenkanal	Okra	IPM	Application of <i>Bacillus thuringiensis</i> for control of fruit borer in okra	Trainings, demonstrations, Group Meetings	09	85	175
Dhenkanal	Chilli	IDM	Application of Neem cake & Imidachloprid for control of chilly leaf curl virus	Trainings, demonstrations, Group Meetings	08	81	130
Dhenkanal	Enterprise	Farm Mechanization	Use of Power Thresher cum Winnower for threshing of Rice with threshing capacity 1.5qtl/hr and winnowing capacity 3.0qtl/hr	Trainings, demonstrations, leaflets, Visual Display, Group Meetings	10	5000	6000
Dhenkanal	Fish	Production	Integrated farming system	Fish cum – duck culture	5	7	4
Dhenkanal	Fish	Production & management	Feed management in composite pisciculture	Fish cum – duck culture	15	17	7

Dhenkanal	Improved Sickle	Drudgery Reduction	Use of Improved sickle having working capacity 152 m ² /hr	Training, Demonstrations, Leaflets, Group Discussion	22	150	400
Dhenkanal	Rice straw Mushroom	Income Generation activity	Use of rice bran as feeding material for cultivation of Rice straw mushroom	Training, Field Day, Demonstration	50	500	2000 beds
Dhenkanal	Deworming of kids	Live stock Management	Deworming of kids by use of Albendazole along with vitamin supplementation	Training, Animal Health camp, Field Day	20	100	200 nos
Dhenkanal	Sugarcane Stripper	Drudgery reduction	Use of Sugarcane stripper with working capacity 43kg/hr	Training, Demonstrations	12	60	60

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprizes	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		S C	S T	Other s	Genera l	Total
Dhenkana 1	2013-14	Rabi-Kharif 2013-14	ICM	Cultivation of improve variety of Bitter gourd Pusa Mousumi with application of tricontatanol @ 2ml./ liter of water in 2 to 4 leaf stage.	Bitter gourd	Pusa mousumi	1 hectare	81	117	44.44 %	01	00	03	05	09
Dhenkana 1	2013-14	Rabi	ICM	Cultivation of high yielding variety of onion with application of Bio-fertiliser (Azospirillum+PSB+Bacillus thuriengensis+Trichoderma viridae) @ 10 Kg./hactare.	Onion	Onion with application of Bio-fertiliser soil treatment and seedling deep method.	0.6 hectare	200	226	13%	03	00	08	01	12
Dhenkana 1	2013-14	Rabi	ICM	Cultivation of Cassava.	Cassava	Shree Vishakham	0.1 hectare	212	290	36.79 %	00	00	03	01	04
Dhenkana 1	2013-14	Rabi-summer	ICM	Cultivation of Improve variety of Teasel gourd.	Teasel gourd	Arka Neelanchal Gourav	0.4 hectare	Continued							
Dhenkana 1	2013	Kharif	IPM	Application of fipronil for controlling stem borer in Rice	Rice	Swarna	0.4	38.34	44.42	15.85			5		5

Dhenkana 1	2013	Kharif	IPM	Application of Imidachloprid @ 3ml/10lit of water just at floral bud initiation and 2 nd spraying after 10 days for controlling sucking pests	Blackgram	<i>PU-11</i>	0.4	7.4	9.5	28.3	2		3		5
Dhenkana 1	2013	Kharif	ICM	Cultivation of groundnut var. Devi with all package of practices	G. nut	<i>Devi</i>	5	9	11	22.2	3	2	16	4	25
Dhenkana 1	2013	Kharif	ICM	Cultivation of arhar var. Asha with all package of practices	Arhar	<i>Asha</i>	5	292	382	30.82	6		14	5	25
Dhenkana 1	2013 -14	Rabi	IPM	Application of Thiomethoxam for controlling mealybug in papaya	Papaya	<i>Red lady</i>	0.4	329	407	23.7			5		5
Dhenkana 1	2013 -14	Rabi	IDM	Application of fungicide(Copper oxychloride + plantomycin for controlling purple blotch disease in onion	Onion	<i>N-53</i>	0.4	162.2	232.6	43.15			5		5
Dhenkana 1	2013 -14	Kharif	Plant production	Clonal plantation of eucalypt hybrid	Eucalypt	Clonal plantation	0.2	24m ³	30 m ³	25	2			3	5
Dhenkana 1	2013 -14	Kharif	Plant production	Macropropagation of B nutans	Bamboo	Culm propagation	0.1	5%	73%	68%	2	1		5	8
Dhenkana 1	2013 -14	Kharif	Plant production	Propagation of salia bamboo in waste land	Bamboo	Artificial regeneration	1								
Dhenkana 1	2013 -14	Kharif	Plant production	Elite stump planting	Teak	Artificial regeneration	1.08								
Dhenkana 1	2013 -14	Kharif	Farm Mechanization	Use of Wheel Finger Weeder with working capacity 0.33 acre per day	Wheel Finger Weeder	Manual Wheel Finger Weeder	02	14.6	15.0	2.73			10		10
Dhenkana 1	2013 -14	Rabi	Micro Irrigation	In every 20' distance sprinkler head with riser pipe are installed to apply the water creating water front advance between (40-80) cm.	Sprinkler Irrigation	Sprinkler Irrigation in Groundnut Crop	01	14.4	17.2	19.40			01		01
Dhenkana 1	2013 -14	Rabi	Farm Mechanization	Demonstration of 5-row bullock drawn seed cum fertilizer drill with seed tube spacing 30 cm and field capacity of 0.20ha/hr	5-row Bullock drawn seed cum fertilizer Drill	Khedyut make 5-row Bullock drawn Seed cum Fertilizer Drill	Borrowed from CAET, OUAT, BBSR	3.40	3.90	14.70	02		08		10

Dhenkana 1	2013-14	Rabi	Farm Mechanization	Use of Potato Digger with working capacity 0.75 acre per day	Bullock drawn Potato Digger	Bullock drawn Potato Digger	Borrowed from CAET, OUAT, BBSR	168.75	168.75	-			10	10
Dhenkana 1	2013-14	Kharif	Small scale income generation activities	Fish cum – prawn culture	IMC and prawn	IMC (Catla, Rohu, Mirgal) Prawn (Macro brachium, Rosenbergie)	1							
Dhenkana 1	2013-14	Kharif	Small scale income generation activities	Fish cum – duck culture	IMC and duck	IMC (Catla, Rohu, Mirgal) Duck (Khaki Campbell)	1							

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/Enterprise	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	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Dhenkana 1	Cultivation of improve variety of Bitter gourd Pusa Mousumi with application of tricontanol @ 2ml./ liter of water in 2 to 4 leaf stage.	Bitter gourd	Fruit weight (gram)	63	112	Rs. 50,000	Rs.58,000	Rs.81,000	Rs. 1,17,000	Rs. 31,000	Rs. 59,000	1.62	2.01
Dhenkana 1	Cultivation of high yielding variety of onion with application of Bio-fertiliser (Azospirillum+PSB+Bacillus thuriengenesis+Trichoderma viridae) @ 10 Kg./hactare.	Onion	Bulb weight (gram)	72	83	Rs.52,754	Rs.60,000	Rs.2,00,000	Rs.2,71,200	Rs.1,47,246	Rs.2,11,200	3.79	4.52
Dhenkana 1	Cultivation of Cassava.	Cassava	Tuber weight (gram)	1800gram	2500 gram	Rs.16,000	Rs.17,500	Rs. 84,800	Rs. 1,16,000	Rs. 68,800	Rs. 98,500	5.3	6.62
Dhenkana 1	Cultivation of Improve variety of Teasel gourd.	Teasel gourd	Continued	Continued	continued								

Dhenkana 1	Application of fipronil for controlling stem borer in Rice	Rice	Yield, % pest infestation (Dead heart), (White earhead)	38.34, 10.1, 8.2	44.42, 4.0, 2.9	18500	20250	50225	58190	31725	37940	2.71	2.87
Dhenkana 1	Application of Imidachloprid @ 3ml/10lit of water just at floral bud initiation and 2 nd spraying after 10 days for controlling aphids in blackgram	Blackgram	Yield, No. of aphids / 10 cm twig	7.4 (30.26)	9.5 (13.4)	8000	9500	28120	36100	20120	26600	3.51	3.8
Dhenkana 1	Cultivation of groundnut var. Devi with all package of practices	G.nut	No. of pod / plant	9	11	18000	20500	46400	56800	28400	36300	2.57	2.77
Dhenkana 1	Cultivation of arhar var. Asha with all package of practices	Arhar	No. pod / plant	292	382	16000	20000	31800	46500	15800	26500	1.99	2.33
Dhenkana 1	Application of Thiomethoxam for controlling mealybug in papaya	Papaya	Yield, sedimentary insect (nos / sq cm)	329 (17.9)	407 (2.6)	15850	17290	131600	162800	115750	145510	8.3	9.41
Dhenkana 1	Application of fungicide(Copper oxychloride + plantomycin for controlling purple blotch disease in onion	Onion	Yield, % disease incidence	162.2, 13.9	232.6, 4.1	59500	65000	129760	186080	70260	121080	2.18	2.86
Dhenkana 1	Clonal plantation	Eucalypt	Biomass (cm ³ / pl) (m ³ / ha/yr)	246 (0.9)	314 (1.02)	113000	115800	189000	252000	76000	137000	1.67	2.19
Dhenkana 1	Culm propagation	Bamboo	Nodes sprouted (%)	5	73	8400	3666	6500	4500	-1900	834	0.77	1.22
Dhenkana 1	Artificial regeneration	Bamboo	Continued										
Dhenkana 1	Artificial regeneration	Teak	Continued										
Dhenkana 1	Use of Wheel Finger Weeder with working capacity 0.33 acre per day	Wheel Finger Weeder	Labour efficiency (MDS/ha)	26	10	19500	17100	51100	52500	31600	35400	2.62	3.07
Dhenkana 1	In every 20' distance sprinkler head with riser pipe are installed to apply the water creating water front advance between (40-80) cm.	Sprinkler Irrigation	Water requirement(m m)	580	490	18300	19800	50400	60200	32100	40400	2.75	3.04

Dhenkana 1	Demonstration of 5-row bullock drawn seed cum fertilizer drill with seed tube spacing 30 cm and field capacity of 0.20ha/hr	5-row Bullock drawn seed cum fertilizer Drill	Seed rate(Kg/acre)	12.5	4.16	8650	9251	17000	19500	8350	10249	1.96	2.17
Dhenkana 1	Use of Potato Digger with working capacity 0.75 acre per day	Bullock drawn Potato Digger	Labour efficiency (MDS/ha)	50	20	61200	56700	135000	135000	73800	78300	2.20	2.38
Dhenkana 1	Fish cum – prawn culture	IMC and prawn	Continued										
Dhenkana 1	Fish cum – duck culture	IMC and duck	Continued										

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Dhenkanal	2013-14	Rabi	Income Generation Activity	Low income of farm women	Popularisation of Banaraja for income generation of farm women	Banaraja Breed	Banaraja Breed	Back yard	200 Birds	20
Dhenkanal	2013-14	Kharif	Livestock Production Management	Low return from cattle rearing due to malnutrition (non availability of green forage)	Green fodder cultivation for milching cows	Hybrid Napier	CO3	Rain fed	0.1 Ha	6
Dhenkanal	2013-14	Kharif	Drudgery Reduction	Irregular cut and high drudgery	Use of Bhindi plucker	Ladies Finger	Arka anamika	Rain fed	NA	13

				due to manual plucking																		
Dhenkanal	2013-14	Rabi	Drudgery Reduction	High drudgery due to manual threshing	sunflower thresher	Sunflower	KBSH 1				Rain fed	NA	5									

3.5 Economic Performance Home Science FLDs:

KV K name	Technology to be Demonstrated	Performance Indicator / Parameter																						
		Output m ² /h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	B C ratio	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2					
Dhenkanal	Popularisation of Banaraja for income generation of farm women		NA		NA		NA		NA		NA	1 kg/bird	2.8 kg/bird	Rs.20/bird	Rs.49/bird			Rs.241/bird	1 kg/bird	2.8 kg/bird	Rs.130/bird	Rs.371/bird	NA	8.6
Dhenkanal	Green fodder cultivation for milching cows		NA		NA		NA		NA		NA	480lit/4 month/cow	570lit/4 month/cow	Rs.7500	Rs.8500	Rs.12480	Rs.14820	480lit/4 month/cow	570lit/4 month/cow	Rs.4,980	Rs.6,320	Rs.1340	1.74	
Dhenkanal	Use of Bhindi plucker	3 kg/hr	9kg/hr	175.5kj/min/kg	52.1kj/min/kg	110	104	NA	70%	NA	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dhenkanal	Use of sunflower	1.39 kg	5.12 kg	534kj/min/kg	113.6kj/min/kg	122beats/min	112beats/min	NA	79%	NA	300%	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

	thresher	/hr	hr				n													
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3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Dhenkanal	Bitter gourd	Meeting, Field visit, Field workshop, Individual contact leaflets	262	325	Discuss about application of triconanol(Plant growth regulator), Seed to seedling methods of bitter gourd and management of crop.
Dhenkanal	Onion	Training, Individual contact, field workshop, Field visit, Leaflets	278	365	Discussed about organic onion cultivation, improvement of the quality of onion as well as development of soil humus and water holding capacity of soil.
Dhenkanal	Cassava	Training, Individual farmer visit	4	28	Discussed about management of crop and post harvest management of cassava.
Dhenkanal	Teasel gourd	Individual farmer training	18	18	Discussed about cultivation practices, sex ratio management in crop, pollination management.
Dhenkanal	Rice	Training, Field day, Group discussion	3	75	Application fipronil to control stemborer in Rice
Dhenkanal	Blackgram	Training, Field day, Group discussion, Method demonstration	4	85	Discussion with farmers to use imidachlopride to control sucking pest in blackgram
Dhenkanal	Groundnut	Training, Field day, Group discussion, Method demonstration	4	85	Discussion with farmers to cultivate high yielding variety of groundnut with balanced dose of fertilizer and chemicals
Dhenkanal	Arhar	Training, Field day, Group discussion, Method demonstration	4	85	Discussion with farmers to cultivate high yielding variety of arhar with balanced dose of fertilizer and chemicals
Dhenkanal	Papaya	Training, Field day, Group discussion	3	75	Method demonstration for application of thiomethoxam to control mealybug in papaya
Dhenkanal	Onion	Training, Field day, Group discussion, Method demonstration	4	85	Application of fungicides for controlling purple blotch disease in onion
Dhenkanal	Vegetative propagation of B.nutans	Training	1	25	Performance of bamboo
Dhenkanal	Establishment of salia bamboo stand for rural need	Training	1	25	Method demonstration of Salia Bamboo

Dhenkanal	Performance of teak through elite stump planting	Training	1	25	Planting material production procedure for Sagan stump
Dhenkanal	Groundnut	Training, Media Coverage, Field workshop, Leaflets, Visual Display of Prototypes	261	385	Performance of Micro Irrigation in Groundnut crop and weeding performance of wheel finger weeder resulted in increase in water use efficiency and labour saving upto 40%
Dhenkanal	Potato	Training, Field day, Film Show	4	105	Bullock drawn potato Digger is a labour saving suitable farm implement for harvesting of potato shown to farmers through method demonstration
Dhenkanal	Greengram	Training, Field Day, Leaflets	258	340	Discussed about Performance of Bullock drawn 5-row seed drill in sowing Greengram and convinced about maintaining optimum plant population
Dhenkanal	Fish	Training programme	4	100	Discussion with farmers regarding feed management in pisciculture
Dhenkanal	Fish	Field day	2	80	Dissemination of information regarding fish farming and method demonstration
Dhenkanal	Hybrid Napier	Training, Field Visit, Leaflets	01, 03, 100	25, 15, 100	Discussed about cultivation practices and methodology of planting and advantages for increase in milk yield
Dhenkanal	Banaraja	Training, Field Day, Leaflets, Field Visit	01,01,100,06	25,40,100,35	Rearing of Banaraja variety gives more return, watch and ward required in villages nearer to forest areas
Dhenkanal	Bhindi Plucker	Training, Method Demonstration, Group Discussion	01, 02, 04	25,30,60	Discussion with Farm Women regarding ease of plucking through Bhindi plucker which reduces 70 % drudgery
Dhenkanal	Sunflower Thresher	Training, Method Demonstration, Pamphlets	01,02,50	25,30,50	Demonstrated the threshing of sunflower through sunflower threshing bench which increases efficiency 300% in comparison with hand beating

3.7 Details of FLD on crop hybrids.

S. 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	Eucalypt	BILT-243	BILT, Jeypore, Odisha	5	0.2

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
Dhenkanal	Inter cropping of Tomato, Brinjal & Chilli(OFT programme)	Planting vegetables in orchard.	Good return from vegetables as well as fruits and risk free if main crop loss, increases knowledge about intercropping of vegetables in orchard.	Interested to replicate the technology in cashew orchard also.
Dhenkanal	Application of Gibberelic acid on Brinjal	Application of Gibberelic acid on brinjal before flowering @60ppm.	Number of branches and flower increases while applying before flowering and formation of new bud as well as number of branches increases. Brinjal yield increases up to 52.77 % where as for second crop from Brinjal it increases 20 % more yield in comparison to traditional practice. Knowledge about application of gibberelin increases.	All brinjal fields will covers under application of Gibberelic acid in coming Year.
Dhenkanal	Improve method of Bitter gourd cultivation	Cultivation of improve method and variety of bitter gourd cultivation along with application of tricentanol @2ml./Liter of water.	Number of flower increases while applying in 2 to 4 leaf stage. Fruits are good to prepare bitter gourd chips. And also it id widely accepted in the district. Though it is not a commercial crop before trial now after demonstration effect it is commercialised.	Cultivation of Bitter gourd in all season gives good market price so it is accepted to cultivate throughout the year even if in Kharif by raised bed and line planting method.
Dhenkanal	Cultivation of Tissueculture Banana	Cultivation if tissue culture banana (2X2meter spacing)	Availability of quality planting material, good vegetative growth, long bunch size and disease free. High market saling price.	Cultivate in a massive scale for good income though soil status and organic matter increases. It is good for health.

Dhenkanal	Cultivation of Onion	Cultivation of high yielding variety of onion with application of Bio-fertiliser (Azospirillum+PSB+Bacillus thuriengenesis+Trichoderma viridae) @ 10 Kg./hactare as soil treatment and seedling dip method.	Commercialisation of onion is done after demonstration effect. Quality of onion is improved. Knowledge about organic onion cultivation increase and easy availability of seeds and bio-fertiliser and technical knowledge.	Multiply the demonstration in all onion growing villages in coming Year.
Dhenkanal	Commercial farming of Potato(Impact of Demonstration of Year 2012-13)	Use of high yielding potato variety with ridge and furrow method practice.	Good returns of crop and good for cooking as well as processing.	Cultivation of potato by self investment by farmer as well as sponsor in a massive scale plann toimplement in the District.
Dhenkanal	Cultivation of teaselgourd	Use of Improve variety Arka Neelanchal gourav and maintaining improve cultivation & sex ratio management.	Demonstration programe is continued. Farmer appreciates the availability of planting material and knowledge about package of practices of cultivation.	Continued
Dhenkanal	Application of fipronil @2ml / lit for controlling stem borer in Rice	Application of fipronil @2ml / lit for controlling stem borer in Rice	Yield has been increased & pests is checked due to insecticide application	Farmers are very much interested to adopt this chemical in near future
Dhenkanal	Need of chemicals for controlling sucking pests in blackgram	Application of Imidachloprid @ 3ml/10lit of water just at floral bud initiation and 2 nd spraying after 10 days for controlling sucking pests in blackgram	Crop yield has been increased & sucking pest infestation is reduced	Farmers are very much satisfied by applying this plant protection chemicals in blackgram as the disease is fully controlled
Dhenkanal	Application of Thiomethoxam to control mealybug in papaya	Application of Thiomethoxam @5 gm /15 lit of water	Fruit yield has been increased & pest infestation is reduced	Highly accepted by farming community of near by 10 nos of villages
Dhenkanal	Application of fungicide to control purple blotch disease in onion	Application of fungicide(Copper oxychloride @2gm/lit+ plantomycin @1gm/lit)	Yield has been increased & disease is checked due to fungicide application	Farmers are enthusiastic to use such chemicals for controlling the disease in onion
Dhenkanal	The rejected branches also can be used for the reproduction of bamboo along with the culm in absence of seed. For layering as well as uprooting of bamboo branches are very easy in comparison to culm propagation	Individual farmers interacted among themselves	OFT	It is very easy method of reproduction timer will adopt it is large scale

Dhenkanal	Seedlings of good vigour and massive root system are produced for needful establishment in moisture stress condition. Preliminary cost of production is high	Farmers was acquainted with the technology by seeing from the practicing farmer	OFT	They will adopt it in small scale and expand it gradually
Dhenkanal	Uniform plant growth, more tapping of nutrients by well developed root systems produced in root trainer	Individual interaction	FLD	Farmers will raise the clonal plantation in large scale in future
Dhenkanal	In absence of seed, bamboo can be propagated vegetatively. Pre-monsoon layering is for exsitu plantation & monsoon - layering is for in situ plantation in rainfed situation. No necessity of filling water in internodes of bamboo	Individual farmers interacted among themselves	FLD	Adopt it in large scale in future
Dhenkanal	1.Need of any digging implement for harvesting of Potato	Use of Bullock drawn Potato Digger	Saving in labour and time	Yes, heavy demand was seen among the Farming community
Dhenkanal	Need of Groundnut Decoorticating Machine	Use of Power Operated Groundnut Decoorticator	High decorticating efficiency 120 kg/hr with cost of operation Rs83/ctl	Highly demanded since Groundnut is one of the main crop in the district
Dhenkanal	Solution to the high labour requirement in transplanting of Rice	Use of 8-row Pre germinated Rice Drum seeder	Field capacity 0.12 ha/hr with seed rate 10 kg/ acre. Row to row distance 20 cm and plant to plant distance 7.5 cm labour requirement 3 MDS /ha.	Farmers are very delighted in using the implement as it saves time and reduces the cost of operation
Dhenkanal	Rice Reaper for harvesting of Rice	Use of Self Propelled Rice Reaper in Harvesting of Rice	Field capacity 0.2 ha/hr with labour saving of 10 MDS/ha but it is suitable for very much standing Rice crop and dry field thus its efficiency increases	Farmers are interested to use the implement in harvesting Rice grown in Upland and Medium Land condition.
Dhenkanal	Pea nut butter preferred for home consumption; Less demand in market	Individual HH interaction	OFT	Could be used for enhancing HH nutrition; Scope for market, could be explored at later stage

Dhenkanal	Rearing of traditional birds and Banaraj variety gives more return; Watch ward required in villages nearer to forest areas	Field Interaction	FLD	Rearing Banaraja variety along with traditional variety birds
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4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Dhenkanal	Intercropping of vegetable in orchard provbides high income and less cultivation risk
Dhenkanal	Application of Gibberelic acid in different crop growth period and doses may be research out and suggest for future extension of testing programme in to demonstration. Different vegetable and its spacing between orchards may test and suggest for future demonstration.
Dhenkanal	Application of fipronil can be used for controlling stemborer in rice effectively
Dhenkanal	Application of Imidachloprid @ 3ml/10lit of water just at floral bud inititation and 2 nd spraying after 10 days for controlling sucking pests in blackgram
Dhenkanal	Application of Thiomethoxam can be effectively used to control mealybug in papaya
Dhenkanal	Application of fungicide(Copper oxychloride + plantomycin) for controlling purple blotch disease in onion
Dhenkanal	During continuous operation of 8-row Rice drum seeder , the cover of drum is opening frequently as a result seeds are also dropping abruptly and another is seeds are falling in a distracted manner and the height of the from the puddle field should be little bit high in comparison to the present design.

4. 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 involved
Dhenkanal	FW	Group discussion, method demonstration, display of chemicals	10.6.13 & Banjhakusuma	20
Dhenkanal	FW	Group discussion, method demonstration, PRA tools	29.6.13 & Majhisahi	20
Dhenkanal	IS	Group discussion, method demonstration, display of chemicals	28.09.13 & DDA, Dhenkanal	10
Dhenkanal	RY	PRA survey, Group meetings	21.2.14 & Nuagaon	10
Dhenkanal	FW	Group Meeting	04.07.2013 and Talabarkote	17
Dhenkanal	FW	Farmers,club meeting	19.07.2013 and Arada	25
Dhenkanal	RY	Progressive Farmers' Meet	26.08.2013 and Mahadia	15

5. TRAINING PROGRAMMES

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

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	HOV	Production technology and commercial farming of organic vegetables.	01	01	01	00	09	00	00	00	15	00
Dhenkanal	FW	OFC	HOV	Cultivation of vegetable base cropping system.	01	01	01	00	02	00	01	00	21	00
Dhenkanal	FW	OFC	HOV	Training on off season vegetable farming.	01	01	03	00	17	00	05	00	05	00
Dhenkanal	FW	OFC	HOV	Cultivation of winter and underutilized vegetables.	01	01	01	00	05	00	00	00	19	00
Dhenkanal	FW	OFC	HOO	Production of marigold, gerbera, rose & gladiolus and its marketing.	01	01	00	00	00	00	00	00	25	00
Dhenkanal	FW	OFC	HOT	Production of tuber crop.	01	01	00	00	00	00	04	00	21	00
Dhenkanal	FW	OFC	HOS	Cultivation of spices and aromatic plants.	01	01	00	00	00	00	00	00	25	00
Dhenkanal	FW	OFC	HOF	Processing, grading, packaging of fruits.	01	01	08	00	02	00	00	00	10	05
Dhenkanal	FW	OFC	HOS	Hi-tech horticulture farming in fruit crops	01	01	05	00	07	00	03	00	10	00
Dhenkanal	FW	OFC	HOF	Establishment of mixed orchard.	01	01	07	00	06	00	00	00	12	00
Dhenkanal	FW	OFC	PLP	Integrated Pest Management in Rice	1	1							25	
Dhenkanal	FW	OFC	PLP	Management of blast, sheath blight, and BLB disease in Rice	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	1	1							25	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
				disease in vegetable crops										
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 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	
Dhenkanal	FW	OFC	AGF	Artificial regeneration of kasi harida and sal	1	1			2	1			12	10
Dhenkanal	FW	OFC	AGF	Fodder values of different tree species	1	1			1				24	
Dhenkanal	FW	OFC	AGF	Seed treatment of teak by dumping method	1	1	1		21				3	
Dhenkanal	FW	OFC	AGF	Value addition of Tendu, jackfruit and char	1	1	1		2		2		20	
Dhenkanal	FW	OFC	AGF	Urea treatment of straw	1	1	1		3		5		16	
Dhenkanal	FW	ON	AGF	Macro propagation of bamboo	1	1			6	8	1		8	2
Dhenkanal	FW	OFC	AEG	Use of Tillage Implements for Summer Ploughing	01	01			06	09			06	04
Dhenkanal	FW	OFC	AEG	Use of Drum Seeder for line sowing of Pregerminated Rice Seeds	01	01							19	06
Dhenkanal	FW	OFC	AEG	Use of weeders in Field Crops	01	01			02				23	
Dhenkanal	FW	OFC	AEG	Installation and Maintenance of Drip Irrigation in banana	01	01							25	
Dhenkanal	FW	OFC	AEG	Use of Seeddrill for Sowing of Groundnut	01	01			04				21	

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	AEG	Operation & Maintenance of harvesting implements in Rice	01	01			01				12	12
Dhenkanal	FW	OFC	AEG	Water management in field crops	01	01			02				23	
Dhenkanal	FW	ONC	AEG	Mulching Technique in vegetable crops for water use efficiency	01	02			03				22	
Dhenkanal	FW	ONC	AEG	Repair & Maintenance of Tractor	01	02							19	06
Dhenkanal	FW	OFC	AEG	Techniques of soil Conservation	01	01			02	01			13	09
Dhenkanal	FW	ONC	AEG	Operation and maintenance of Groundnut harvesting and Threshing implements	01	02			05				19	01
Dhenkanal	FW	OFC	FIS	Integrated fish farming	2	2	22	7	11	3	6	1		
Dhenkanal	FW	OFC	FIS	Carp fry and fingerlings rearing	1	1	3	3	4		4		7	4
Dhenkanal	FW	OFC	FIS	Pond preparation before monsoon	1	1	7	2					11	5
Dhenkanal	FW	OFC	FIS	Carp breeding and hatchery management	1	1	6	1		4	4		7	3
Dhenkanal	FW	OFC	FIS	Fresh water prawn culture	1	1	8	3	3				6	4
Dhenkanal	FW	OFC	FIS	Feed management in composite pisciculture	1	1	6	3	4	1			7	3
Dhenkanal	FW	OFC	FIS	Yearling rearing	1	1	7		4		4		10	
Dhenkanal	FW	OFC	WOE	Malnutrition and balanced diet	1	1		15		10				
Dhenkanal	FW	OFC	WOE	Preparation of low cost diet for rural infants	1	1		18		5		2		
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		7		18				
Dhenkanal	FW	OFC	WOE	Household food security by kitchen gardening	1	1		19		6				

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	WOE	Gender focused demand driven empowerment process	1	1		25						
Dhenkanal	FW	OFC	WOE	SHGs as vehicle towards promotion of nutritional security	1	1		18		7				
Dhenkanal	FW	OFC	WOE	Value addition of Tomato	1	1		25						
Dhenkanal	FW	OFC	WOE	Preparation of silage and hay	1	1		16		9				
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		24		1				
Dhenkanal	RY	ONC	HOV	Production of vegetable seedling.	01	02	03		02				10	
Dhenkanal	RY	ONC	HOS	Production, packaging and marketing of spices condiments for rural youth.	01	02			06				09	
Dhenkanal	RY	ONC	HOO	Cultivation and post harvest management and marketing of flower.	01	02	04		02		06		03	
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	AGF	Management of protected forest and village forest	1	2	2	1	3				8	1
Dhenkanal	RY	ONC	AGF	Preparation of grain lac and lac varnish	1	2	1		1				13	
Dhenkanal	RY	ONC	AGF	Value addition in palm craft	1	2	2	1	1	2			4	5
Dhenkanal	RY	ONC	AEG	Agripreneurship to establish Agro Service Centre	01	02			02		04		09	
Dhenkanal	RY	ONC	AEG	Cost effective method of Rice cultivation by using Self Propelled Rice Transplanter	01	02			09		04		02	
Dhenkanal	RY	ONC	FIS	Carp spawn production in portable carp hatchery	1	2	6	2					5	2
Dhenkanal	RY	ONC	FIS	Yearlings production	1	2	7	1					4	3

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Dhenkanal	RY	ONC	RYH	Different avenues for income generation	1	2		13		2				
Dhenkanal	IS	OFC	HOV	Production & marketing of off season vegetables and flowers under poly house condition.	01	02	02	00	02	00	02	01	00	08
Dhenkanal	IS	OFC	HOF	Commercial cultivation of organic vegetables fruits and flower.	01	02	04	00	05	00	03	00	03	00
Dhenkanal	IS	ONC	EXP	Recent development in eco friendly pest management concept	1	2							12	3
Dhenkanal	IS	ON	AGF	Bio mass estimate of timber species	1	2	2		1		1		9	2
Dhenkanal	IS	ON	AGF	Seed treatment of some selected tree species	1	2	3		1		1		8	2
Dhenkanal	IS	ON	AGF	Wood protection by pongam oil by heating process	1	2	2		1		1		7	4
Dhenkanal	IS	ONC	AEG	Economics of Drip Irrigation	01	02				02			11	02
Dhenkanal	IS	ONC	EXP	Use of women friendly tools and implements for drudgery reduction	1	2		12		3				

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries								
					Gen		SC		ST		Others		
					M	F	M	F	M	F	M	F	
Dhenkanal	Different avenues for income generation	Enterprise	Income generation activity	02		13		2					
Dhenkanal	Production of vegetable seedlings	Crop	Income generation activity	02	3		2					10	
Dhenkanal	Bee keeping	Enterprise	Income generation activity	02								15	
Dhenkanal	Cost effective method of Rice cultivation using self propelled rice transplanter	Enterprise	Farm mechanization	02			9		4			2	

Table 5.3. Details of training programme 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	17	42	18
Dhenkanal	Fish farming	Fish pond	5	10	15
Dhenkanal	Mushroom cultivation	Mushroom unit	30	45	10
Dhenkanal	Technique of seedling raising inside poly house	Poly tunnel structure	4	11	14

Table 5.4. 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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Dhenkanal	Agriculture sensitization	ICM		FW	01	01	10		16	6	7	4	7		LORD, NGO	2000

Table 5.5 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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

Table 5.6 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	
Dhenkanal	Production technology & commercial farming of organic vegetables.	25	45	80	200	226	1,40,000	2,10,000	60, 28, 25
Dhenkanal	Cultivation of vegetable base cropping system.	25	30	65	42	211.33	50,500	1,61,564	42, 20, 30
Dhenkanal	Training on off season vegetable farming.	25	40	55	200	170	65,000	2,15,000	45, 30, 35
Dhenkanal	Cultivation of winter and underutilized vegetables.	25	50	80	100	160	38,000	66,000	200, 120, 65

Dhenkanal	Production of marigold, gerbera, rose & gladiolus and its marketing.	25	30	80	00	00	15,000	22,000	12, 08, 30
Dhenkanal	Production of tuber crop.	25	20	70	280	325	1,83,500	2,12,500	112, 62, 45
Dhenkanal	Cultivation of spices and aromatic plants.	25	30	80	40	112	30,000	99,500	20, 25, 40
Dhenkanal	Processing, grading, packaging of fruits.	25	30	80	Continued	Continued	Continued	Continued	Continued
Dhenkanal	Integrated Pest Management in Rice	25	20	70	23	78	1150	3900	1. 50, 2.10, 3. 50,55,239
Dhenkanal	Management of blast, sheath blight, and BLB disease in Rice	25	30	80	0.5	1.0	1000	2000	1. 20, 2. 15, 3. 166,50,50
Dhenkanal	Integrated pest & disease management in brinjal	25	40	90	5	73	100	365	1. 40, 2. 20, 3. 50,68,265
Dhenkanal	Integrated pest & disease management in pigeon pea	25	50	80	100	180	1000	1800	1. 50, 2. 10, 3. 30,80,80
Dhenkanal	Integrated Pest and disease management in mango	25	30	80	0.5	1.0	1000	2000	1. 20, 2. 15, 3. 166,50,50
Dhenkanal	Bio control of pest and disease in vegetable crops	25	20	70	23	78	1150	3900	1. 50, 2.10, 3. 50,55,239
Dhenkanal	Integrated Pest and disease management in papaya	25	30	80	0.5	1.0	1000	2000	1. 20, 2. 15, 3. 166,50,50
Dhenkanal	Management of pest & diseases of G. nut	25	40	90	5	73	100	365	1. 40, 2. 20, 3. 50,68,265
Dhenkanal	Integrated Pest and disease management in cole crops	25	50	80	100	180	1000	1800	1. 50, 2. 10, 3. 30,80,80
Dhenkanal	Use of pheromone trap ,bio-agents and bio pesticides in sugarcane	25	20	70	23	78	1150	3900	1. 50, 2.10, 3. 50,55,239
Dhenkanal	Integrated Pest and disease management in onion	25	50	80	100	180	1000	1800	1. 50, 2. 10, 3. 30,80,80
Dhenkanal	Treatment of seed and seedlings for control of diseases	15	60	90	5	7	2000	2800	1. 100, 2. 10, 3. 30,40,40
Dhenkanal	Bee keeping	15	30	80	0.5	1.0	1000	2000	1. 20, 2. 15, 3. 166,50,50
Dhenkanal	Recent development in eco friendly pest management concept	15	60	90	5	7	2000	2800	1. 100, 2. 10, 3. 30,40,40
Dhenkanal	Exsitu conservation of Jayasandha plant	25	60	90	50	80	100	160	1. 20, 2. 8, 3. 50,30,60
Dhenkanal	Conservation of some rare medicinal plants	25	20	70	23	78	1150	3900	1. 50, 2.10, 3. 50,55,239
Dhenkanal	Artificial regeneration of kasi harida and sal	25	30	80	0.5	1.0	1000	2000	1. 20, 2. 15, 3. 166,50,50

Dhenkanal	Fodder values of different tree species	25	40	90	5	73	100	365	1. 40, 2. 20, 3. 50,68,265
Dhenkanal	Seed treatment of teak by dumping method	25	50	80	100	180	1000	1800	1. 50, 2. 10, 3. 30,80,80
Dhenkanal	Value addition of Tendu, jackfruit and char	25	60	90					1. 5, 2. 15, 3. 30
Dhenkanal	Urea treatment of straw	25	50	70					1. 10, 2. 10, 3. 20
Dhenkanal	Macro propagation of bamboo	25	10	80					2. 8, 3. 70
Dhenkanal	Management of protected forest and village forest	15	10	70					2. 4, 3. 60
Dhenkanal	Preparation of grain lac and lac varnish	15	20	80	40	80	2000	4000	1. 80, 2. 8, 3. 60,40,50
Dhenkanal	Value addition in palm craft	15	30	90					1. 150, 2. 15, 3. 60
Dhenkanal	Bio mass estimate of timber species	15	20	70			100	160	2. 5, 3. 50,60
Dhenkanal	Seed treatment of some selected tree species	15	20	70			30	40	2. 12, 3. 50, 33
Dhenkanal	Wood protection by pongam oil by heating process	15	60	90	5	7	2000	2800	1. 100, 2. 10, 3. 30,40,40
Dhenkanal	Use of 8-row Drum Seeder for line sowing of pregerminated Rice seeds	25	01	09	43	47	56330	67570	50, 25, 80,09,20
Dhenkanal	Operation & Harvesting implements in Rice	25	04	10	-	-	57640	64250	200, 18, 150,11.46
Dhenkanal	Agripreneurship to establish Agro Service Centre	15	02	10	-	-	60,000	1,00,000	400, 66.67
Dhenkanal	Integrated fish farming	25	10	30	12.5	17.2	42300		1. 35 ha, 2. 45 nos. 3. 30%
Dhenkanal	Carp fry and fingerlings rearing	25	40	80	5	7	2000	2800	1. 100, 2. 10, 3. 30,40,40
Dhenkanal	Pond preparation before monsoon	25	30	60	50	80	100	160	1. 20, 2. 8, 3. 50,30,60
Dhenkanal	Carp breeding and hatchery management	25	45	85	5	7	2000	2800	1. 100, 2. 10, 3. 30,40,40
Dhenkanal	Fresh water prawn culture	25	10	25	50	80	100	160	1. 20, 2. 8, 3. 50,30,60
Dhenkanal	Feed management in composite pisciculture	25	20	45	5	7	2000	2800	1. 100, 2. 10, 3. 30,40,40
Dhenkanal	Yearling rearing	25	15	30	50	80	100	160	1. 20, 2. 8, 3. 50,30,60

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	10	215	55	75	35	16	4	Popularization and dissemination of improve cultivation of crops and principle of operation of enterprise	Improved cultivation of crops	Early maturity stage
Dhenkanal	Kisan Mela	01	01	360	105	95	40	10	4			
Dhenkanal	Kisan Ghosthi	8	8	194	0	40	0	3	3	Popularization and dissemination of technology	Improved cultivation of Kharif crops	Kharif crop season
Dhenkanal	Exhibition	2	2	-	-	-	-	-	-			
Dhenkanal	Film Show	20	20	145	26	79	50	16	4	Popularization and improved technology	10 film CDs	Kharif crop season
Dhenkanal	Method Demonstrations	5	5	81	16	19	9	8	2	Popularization and improved technology	Improved cultivation of Kharif crops	Kharif crop season
Dhenkanal	Farmers Seminar	1	1	23	7							
Dhenkanal	Workshop	1	1	15	2	4	1	2	2	Popularization of use of tricyclazole	Blast disease in Rice	Mid season stage
Dhenkanal	Group meetings	20	20	215				20		Problem analysis	-	Kharif crop season
Dhenkanal	Lectures delivered as resource persons	40	40							Popularization and improved technology	Mushroom, vermicompost, fish farming, Hitech Hort.	-
Dhenkanal	Newspaper coverage	10	10							Popularization and improved technology	Vermicompost, fish farming, Hitech Hort.	
Dhenkanal	Radio talks	10	6								Hitch Horticulture	-
Dhenkanal	TV talks	2	2							-	Fruit cultivation	-
Dhenkanal	Popular articles	10	6							-	Extension activities	-
Dhenkanal	Extension Literature	16	8							Popularization and improved technology	Banana, bittergourd, potato, ITK	-
Dhenkanal	Farm advisory Services	40	40	15	6	10	9					-
Dhenkanal	Scientific visit	170	210	130	48	20	12			-	-	-

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			
	to farmers field											
Dhenkanal	Farmers visit to KVK	250	375	205	75	73	22			Popularization and improved technology	Improved cultivation of Kharif & rabi crops	Kharif & rabi crop season
Dhenkanal	Diagnostic visits	95	97	315	54	79	27					
Dhenkanal	Exposure visits	02	02	20								
Dhenkanal	Ex-trainees Sammelan	4	1	25	3	2						
Dhenkanal	Soil health Camp	1	1	20	5	4	1					
Dhenkanal	Animal Health Camp	1										
Dhenkanal	Agri mobile clinic											
Dhenkanal	Soil test campaigns	1	1	16	2	7						
Dhenkanal	Farm Science Club conveners meet	2	2	16	2	6	4	2	2	Dissemination of information	Scientific method on crop cultivation	
Dhenkanal	Self Help Group conveners meetings	5	8		117		67		16	Technology transfer projects	Small scale activities	
Dhenkanal	Mahila Mandals conveners meetings	2	3		44		27		6	Empowerment of women involved in agriculture and allied activities		
Dhenkanal	Celebration of important days (World environment day)	2	2	36	41	14	9	2	2	World Food Day, Women in agriculture day		

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Dhenkanal	30.6.2013	Quarterly	2000	1650

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Dhenkanal	Booklet	Scientific cultivation of papaya	Sri. Sidhartha Kar	250
Dhenkanal	Leaflets	Use of 8-row Rice Drum seeder	Smt.Dipsika Paramjita and Sri Manoranjan Mohapatra	500
Dhenkanal	Booklet	KVK Brochure	Smt. Dipsika Paramjita and Dr. Radheshyam Panigrahi	2000
Dhenkanal	Leaflet	Improved fish farming	Jasobanta Sahoo & Manoranjan Mohapatra	500
Dhenkanal	Leaflet	Onion cultivation	Sri. Sidhartha Kar & Sri Manoranjan Mohapatra	500
Dhenkanal	Leaflet	Cashew plantation	Sri. Sidhartha Kar & Smt. S. Pal	500
Dhenkanal	Leaflet	Directory of Agripreneurs	Dr. Radheshyam Panigrahi, Smt.Dipsika Paramjita, Sri. Sidhartha Kar, Sri M. Mohanty, Sri. D. Panda, Smt. S. Pal & J. Sahoo	200
Dhenkanal	Leaflet	Organic agriculture	Sri. D. Panda & Manoranjan Mohapatra	200

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Dhenkanal	CD	Sowing of Groundnut using Bullock drawn Plough Planter	01
Dhenkanal	CD	Sowing of Greengram using Bullock drawn 5-row seed drill	01

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Dhenkanal	Foundation seed	Rice	Lalat	75.4 (reprocessed)	180960		6 ha
Dhenkanal	Mushroom	Rice straw mushroom	V.volvacea	1.5	9750	Public sale	
Dhenkanal	Mushroom	Oyster mushroom	P.sajarcaju	1.0	4000	Public sale	

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Dhenkanal	Horticulture	Tomato	BT-10 & Rupashree	4,800	2,800	08	0.25
Dhenkanal	Horticulture	Chilli	Parek & US 341	4,000	2,000	20	0.20
Dhenkanal	Horticulture	Brinjal	Tarini, Green star	2,500	1,250	15	0.15
Dhenkanal	Horticulture	Cauliflower	Krishna	1,500	9,00	06	0.05
Dhenkanal	Tree	Teak		235	940	8	0.2
Dhenkanal	Tree	Babul		10	50	1	0.009
Dhenkanal	Tree	Bamboo	Salia	1120	5600	20	0.2
Dhenkanal	Tree	Amla		200	1000	24	0.18
Dhenkanal	Tree	Sisu		170	850	18	0.15
Dhenkanal	Tree	W. sirisa		30	150	5	0.07
Dhenkanal	Tree	Mangium		20	100	2	0.03
Dhenkanal	Tree	Jamun		20	100	2	0.02
Dhenkanal	Tree	Kurum		20	100	5	0.02
Dhenkanal	Tree	Eucalypt		20	100	5	0.008
Dhenkanal	Shrub	Flemigia		1000	5000	5	0.1

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Dhenkanal	Bio Agents						
Dhenkanal	Bio Fertilizer	Vermicompost	240		1200	20	

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Dhenkanal	Fish spawn	IMC	Spawn	400000	2800	6
Dhenkanal	Poultry	Banaraja	Chicks	412	21010	40

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far:

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Dhenkanal	Existing	2004-05	Soil samples	750	150	45		150

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
Dhenkanal	Existing	2004-05	Water samples	55	55	12		55

10. Rainwater Harvesting

Training programmes 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										

11. Utilization of Farmers Hostel facilities

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)	Accommodation available (No. of beds)
Dhenkanal	May	2013	Mulching Technique in vegetable crops for water use efficiency	01	02	02		12
Dhenkanal	May	2013	Repair & Maintenance of Tractor	01	02	02		12
Dhenkanal	June	2013	Operation and maintenance of Groundnut harvesting and Threshing implements	01	02	02		12
Dhenkanal	July	2013	Production of vegetable seedling.	01	02	02		12
Dhenkanal	July	2013	Production, packaging and marketing of spices condiments for rural youth.	01	02	02		12
Dhenkanal	August	2013	Cultivation and post harvest management and marketing of flower.	01	02	02		12
Dhenkanal	August	2013	Treatment of seed and seedlings for control of diseases	1	2	2		12
Dhenkanal	August	2013	Bee keeping	1	2	2		12
Dhenkanal	September	2013	Management of protected forest and village forest	1	2	2		12
Dhenkanal	September	2013	Preparation of grain lac and lac varnish	1	2	2		12
Dhenkanal	October	2013	Value addition in palm craft	1	2	2		12
Dhenkanal	November	2013	Agripreneurship to establish Agro Service Centre	01	02	02		12
Dhenkanal	December	2013	Cost effective method of Rice cultivation by using Self Propelled Rice Transplanter	01	02	02		12
Dhenkanal	January	2014	Carp spawn production in portable carp hatchery	1	2	2		12
Dhenkanal	February	2014	Yearlings production	1	2	2		12
Dhenkanal	March	2014	Different avenues for income generation	1	2	2		12

12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Dhenkanal	2009	2009	6	-	-

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Dhenkanal	31.08.2013	26	Minimum five nos of Demo Units should be developed in KVK campus particularly IFS concept to support risk prone agro ecosystem of Dhenaknal district. Extensive use of mass media for popularization of the latest agriculture and allied technologies with emphasis on OUAT released varieties. Impact assessment of KVK adopted villages during last 12 years on number of adopted farmers, condition of farmers, increase in production and productivity, socio economic status including spread of allied agro activities. Emphasis should be given on investigation of intervention and progress made rather than technology dissemination only.

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Dhenkanal	37192	826	174	NIC	Dissemination of information regarding ICM, IPM, IDM, Water management, farm mechanization, small scale income generating activities

15. Status of 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	BGREI	Central		Monitoring with state officials	Villages under Kankadahad & Sadar block	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Dhenkanal	30306531704	2,14,064		

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Dhenkanal	Farmers award	Farmer, Group, Institution	KVK, OUAT	Nil

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Dhenkanal	Crop Cafeteria	Started
Dhenkanal	Technology Desk	Not established
Dhenkanal	Visitors Gallery	Not established
Dhenkanal	Technology Exhibition	Not established
Dhenkanal	Technology Gate-Valve	Not established

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Cultivation of Teasel gourd	01
2	Cultivation of Improve variety of Brinjal	01
3	Demonstration of IPM tools	01
4	Storage of fruits and vegetables	01
5	Nutritional garden	01
6	Medicinal garden	01
7	Bee keeping	01
8	Poultry unit	01
9.	Mushroom unit	01
10	Vermicompost unit	01
11	Carp hatchery	01

19. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Dhenkanal	Prasanna Kumar Behera	Innovative pitting technique for eucalypt plantation	At. Dandeibereni, Po. Gondia Patna, Block: Gondia, Dist. Dhenkanal, Mobile No.9437904626
2	Dhenkanal	Ambuja Biswal	Use of neem leaf decoction against bottle necking of collar region of brinjal plant	At. Bainsia, Po. Bainsia , Block: Gondia, Dist. Dhenkanal, Mobile No.9178212056
3	Dhenkanal	Saroja Mallick	Larvin and gur bait against caterpillar deforming skin of watermelon	At. Tarava, Po. Tarava , Block: D. Sadar, Dist. Dhenkanal, Mobile No.9937132467
4	Dhenkanal	Santanu Ku. Bisoi	Cassia tora compost for better yeidl	At. Balarampur, Po. Balarampur, Block – Odapada, Dist,

				Dhenkanal, Mobile No.9778794122
5	Dhenkanal	Sribatsa Biswal	Maize staking for yam crop	At. Khalibandha, Po. Tarava, Block-D. Sadar, Dist-Dhenkanal, Mobile. No. 9337259155
6	Dhenkanal	Baikuntha Prusty	Iporia cornea arching for mini poly house	At. Harekrushnapur, Po. Kaimati, Block – D. Sadar, Dist. Dhenkanal, Mobile No.7504561621
7	Dhenkanal	Muralidhar Sethy	Use of lack varnish in plam craft	At. Indipur, Po. Gundichapada, Block – D. Sadar, Dist- Dhenkanal
8	Dhenkanal	Parsuram Behera	Blazing technique for more rubber latex oozing	At. Kaimati, Po. Kaimati, Block- D. Sadar, Dist. Dhenkanal, Mobile No. 9776031442
9	Dhenkanal	Chakadola Moharana	Use of seed lac in polishing kurein wood craft	At. Chakadolasahi, Po/Block- Gondia, Dist. Dhenkanal, Mobile No. 8895475270
10	Dhenkanal	Pravakar Pradhan	Use of boil sweet potato for making sweet meats	At. Parabatia, Po. Sankarpur, Dist. Dhenkanal

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	22.11.2013	15
2	03.12.2013	25
3	21.01.2014	15
4	10.02.2014	50

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Dhenkanal	4	6	16	60

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

22. 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

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.

1	Angul	Research person in training programme and demonstration activities	Farming situation of the concerned ring district and valuable suggestion during scientific interaction with progressive farmers
2	Jajpur	Research person in training programme and demonstration activities	Farming situation of the concerned ring district and valuable suggestion during scientific interaction with progressive farmers

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Dhenkanal	Prof. M. Kar, VC, OUAT, BBSR	29.07.2013		SAUs		
Dhenkanal	Prof. S.S. Nanda, Dean, Extension Education OUAT, BBSR	01.08.2013		SAUs		
Dhenkanal	Dr. S. Mishra, Sr. Scientist, DRWA, BBSR	06.09.2013	ICAR			
Dhenkanal	Dr. A. P. Dwivedi, Sr. Scientist, ZPD unit	21.11.2013	ICAR			
Dhenkanal	Prof. B. Mishra, Dean College of Agriculture, OUAT, BBSR	04.12.2013		SAUs		

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Dhenkanal	2011	6	

26. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors 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							

27. Status of RTI

Sr. No	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Dhenkanal			

28. Status of Citizen Charter

Sr. No	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Dhenkanal	6	6	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Dhenkanal	Sidhartha Kar	SMS (Horticulture)	1	
Dhenkanal	D. Panda	SMS (Plant Protection)	1	
Dhenkanal	Mrs.Dipsika Paramjita	SMS (Ag.Engg)	2	
Dhenkanal	M. Mohanty	SMS (Forestry)	1	
Dhenkanal	Jasobanta Sahoo	Prog. Asst. (Fishery)	2	
Dhenkanal	S. Pal	SMS (Home Science)	1	
	Total		8	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Dhenkanal	6	8

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Dhenkanal	M. Mohapatra	PC	1	Orientation Programme
Dhenkanal	Sidhartha Kar	SMS (Horticulture)	1	Poly house construction
Dhenkanal	D. Panda	SMS (Plant Protection)	1	Concept of IPM
Dhenkanal	S. Pal	SMS (Home Science)	1	Orientation training
Dhenkanal	M. Prusty	SMS (Soil Science)	1	Orientation training
Dhenkanal	M. Mohanty	SMS (Forestry)	1	Orientation training
Dhenkanal	D. Paramajita	SMS (Ag. Engg.)	1	Poly house construction
Dhenkanal	J. Sahoo	P. A. (Fishery)	1	Fish farming
Dhenkanal	G. Moharana	PA. (Computer)	1	Orientation training
Dhenkanal	M. K. Pradhan	Farm manager	1	Orientation training

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Dhenkanal	10	10

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of	Name of Staff	Post held	Programmes	Remarks
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KVK			attended (Nos)	
Dhenkanal	Sidhartha Kar	SMS (Horticulture)	1	Training on Organic farming
Dhenkanal	S. Pal	SMS (Home Science)	2	Drudgery reduction

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Dhenkanal	2	3

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Dhenkanal	Cyclone	Phyline	ZPD, DEE, Agril. Dept.

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Dhenkanal				

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Dhenkanal	Arhar	5	25
Dhenkanal	Groundnut	5	25

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Dhenkanal	Oilseed	5	25
Dhenkanal	Pulses	5.2	38
Dhenkanal	Vegetable crop	6	10
Dhenkanal	Fruit	1	5

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Dhenkanal	Poultry management	3	150
Dhenkanal	Disease management	2	50
Dhenkanal	Feed and fodder technology	1	25
Dhenkanal	Fingerling production	1	25

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers
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Dhenkanal			
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Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Dhenkanal	Vegetables	0.5	4	10

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Dhenkanal				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Dhenkanal	Trichoderma viriedae	5	1	10

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Dhenkanal	Vermicompost	5	1	5
Dhenkanal	Rhizobium	15	10	26

Verm Produced

Name of KVK	Verm Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Dhenkanal				

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	12	60
Dhenkanal	Integrated crop management	70	175
Dhenkanal	Weed management in groundnut	600	1050

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	2	80	1	500	1	500	7	175

35. 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	Any Special Remark by Visitors

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

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

37. Case study / Success Story to be developed – Two best only in the following format (Annexure – I)

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

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1.	Dhenkanal	02	Nil

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