

ANNUAL ACTION PLAN

(April 2016 - March 2017)



KVK, DHENKANAL



Orissa University of Agriculture & Technology
Bhubaneswar

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PERIOD – April 2016 to March, 2017
Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Dhenkanal	OFTs	25	237			
Dhenkanal	FLDs – Oilseeds (activity in ha)	150	375			
Dhenkanal	FLDs – Pulses (activity in ha)	70	175			
Dhenkanal	FLDs – Cotton (activity in ha)					
Dhenkanal	FLDs – Other than Oilseed and pulse crops(activity in ha)	13	114			
Dhenkanal	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	94	94			
Dhenkanal	Training-Farmers and farm women	69	1725			
Dhenkanal	Training-Rural youths	12	195			
Dhenkanal	Training- Extension functionaries	11	153			
Dhenkanal	Extension Activities	835				
Dhenkanal	Seed Production (Number of activity as seeds in quintal)	1	180 qtl			
Dhenkanal	Planting material ((Number of activity as quantity of planting material in quintal) Mushroom spawn bottles					
Dhenkanal	Seedling Production (Number of activity as number of seedlings in numbers)	470000				
Dhenkanal	Sapling Production (Number of activity as number of sapling in numbers)	4000				
Dhenkanal	Other Bio- products (No. of quantity) Mushroom, vermicompost	Mushroom 3 qtl & Vermi compost 10 qtls				
Dhenkanal	Live stock products	800 nos				
Dhenkanal	Activities of Soil and Water Testing Laboratory	1000	1000			
Dhenkanal	Rainwater Harvesting System					
Dhenkanal	Kisan Mobile Advisory (KVK-KMA)	120	10000			
Dhenkanal	SAC Meeting (Date & no. of core/ official members)	2	50			

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Dhenkanal	Literature to be Developed/Published	28				
Dhenkanal	Convergence programmes / Sponsored programmes	9				
Dhenkanal	Utilization of Farmers Hostel	7	105			
Dhenkanal	Utilization of Staff Quarters	6	6			
Dhenkanal	Details of KVK Agro-technological Park	5				
Dhenkanal	Crop Cafeteria-	14				
Dhenkanal	Farm Innovators- list of 10 farm innovators from the District	10	10			
Dhenkanal	Status of Revolving Funds	6				
Dhenkanal	Awards and Recognitions					
Dhenkanal	Case study / Success Story to be developed	10				
Dhenkanal	KVK Progressive Farmers interaction	10				
Dhenkanal	Outreach of KVK in the District (No. of blocks, no. of villages)	850				
Dhenkanal	Technology Demonstration under Tribal Sub Plan					
Dhenkanal	KVK Ring	4				
Dhenkanal	Important visitors to KVK					
Dhenkanal	Status of KVK Website					
Dhenkanal	Status of RTI					
Dhenkanal	E-connectivity					
Dhenkanal	Details of Technology Week Celebrations	14	2130			
Dhenkanal	Interventions on Drought Mitigation	10				
Dhenkanal	Proposal of NAIP					
Dhenkanal	Proposal of NICRA					
Dhenkanal	Well labeled photographs					
Dhenkanal	Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on 31.03.2016)

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. S. K.Mohapatra	Horticulture	Ph. D.	Horticulture	15,600-39,100	18700+8000	12.11.15	Temporary	Gen
Dhenkanal	Subject Matter Specialist1	Smt. S. Pal	Home Science	M.Phil	Home Science	15,600-39,100	22220+6000	15.11.07	Temporary	Gen
Dhenkanal	Subject Matter Specialist2	Sri S. Kar	Horticulture	MSc(Ag)	Horticulture	15,600-39,100	19050+6000	01.10.09	Temporary	Gen
Dhenkanal	Subject Matter Specialist3	Sri D Panda	Entomology	M.Sc. (Ag.)	Entomology	15,600-39,100	22220/+6000	06.04.11	Temporary	Gen
Dhenkanal	Subject Matter Specialist4	Smt.D. Paramjita	Agril.Engg	MTech	Soil & Water Conservation Engg	15,600-39,100	18320+6000	07.12.12	Temporary	Gen
Dhenkanal	Subject Matter Specialist5	Sri M.Mohanty	Forestry	MSc (Forestry)	Forestry	15,600-39,100	22220+6000	15.12.12	Temporary	Gen
Dhenkanal	Subject Matter Specialist6	Dr. R. B. Nayak	Animal Science	MV Sc.	Biochemistry	15,600-39,100	15600+6000	7.7.2015	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	12930+4200	03.07.12	Temporary	Gen
Dhenkanal	Computer Programmer	Sri. G. D. Moharana	Computer	MCA	Computer	9300-34,800	13450+4200	18.06.12	Temporary	Gen
Dhenkanal	Accountant / superintendent	Sri. K. R. Mohanty	S.O.	BA		9300-34,800	14000+4200	14.02.14	Temporary	Gen
Dhenkanal	Stenographer	Sri G.R. Das	-	B.A.	-	5,200-20,200	7270+2400/-	08.01.07	Temporary	Gen
Dhenkanal	Driver	Sri D.K Pradhan	-	UP	-	5,200-20,200	6350+1900/-	24.07.07	Temporary	Gen
Dhenkanal	Driver	Sri N.M. Sahoo	-	UP	-	5,200-20,200	6860+1900/-	25.07.07	Temporary	Gen
Dhenkanal	Supporting staff	Smt. Ahalya Baral	-	UP	-	4440-7440	5380 + 1300	28.07.08	Temporary	Gen
Dhenkanal	Supporting staff	Sri Kumar Beja	-	UP	-	4440-7440	5790 + 1300	07.10.13	Temporary	Gen

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

Name of the crop	Area in ha	Production in (MT)	Yield q/ha
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 1.4.2012 to 31.3.2013 (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	Harekrushnapur	2012-13	Dhenkanal Sadar	25 km	1980	95
Dhenkanal	Talabarkota	2014-15	Dhenkanal Sadar	10 km	1660	120
Dhenkanal	Dengobarei	2014-15	Odapada	25 km	506	81
Dhenkanal	Keutabereni	2014-15	Dhenkanal Sadar	20 km	550	88
Dhenkanal	Gurujangulai	2014-15	Kankadahad	65 km	675	75

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

KVK Name	THRUST AREA
Dhenkanal	Importance on INM, IPM, IDM and in major field crop and vegetable crops
Dhenkanal	Varietal replacement of different field crops and vegetable crops
Dhenkanal	Development of integrated farming system models for different farming situation
Dhenkanal	Value addition and marketing of farm produces
Dhenkanal	Hi-tech horticulture and precision farming
Dhenkanal	Farm mechanization
Dhenkanal	Water management
Dhenkanal	Women empowerment
Dhenkanal	Creation of additional income and employment generation through agro based enterprises
Dhenkanal	Development of approach / methodology for large scale adoption of technologies
Dhenkanal	Development of climate smart village
Dhenkanal	Importance of organic farming
Dhenkanal	Protection of farmers variety under IPR act
Dhenkanal	Resource conservation technology

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	Lack of knowledge and skill on scientific practices like INM, IPM, IDM and farm mechanization reduce the yield and return in major crops of the district.	Through PRA tools and Discussion with the group of farmer	Arada & Sadar
Dhenkanal	Lack availability of quality seeds and planting materials reduce the yield and return in major field crops like paddy, pulses, oilseeds, sugarcane and vegetables	Through PRA tools and Discussion with the group of farmer	Nuagaon & Sadar
Dhenkanal	Lack of knowledge in farming system model in upland, rainfed and eco-system give less return to the farmers	Through PRA tools and Discussion with the group of farmer	Gurujangulei & Kankadahad
Dhenkanal	No assured irrigation round the year for taking of different crops	Through PRA tools and Discussion with the group of farmer	Bhangamal & Sadar
Dhenkanal	Non availability of skill labour for farm operation pose a great problem for taking of different crops	Through PRA tools and Discussion with the group of farmer	Talabarkote & Sadar
Dhenkanal	Lack of entrepreneurship attitude of rural youth towards farming stand as a barrier for progressive agriculture	Through PRA tools and Discussion with the group of farmer	Chaipur & Odapada
Dhenkanal	Low yield and return from pisciculture due to non availability of adequate fingerlings and yearlings	Through PRA tools and Discussion with the group of farmer	Kasiadihi & Odapada
Dhenkanal	Distress sale of horticultural produces	Through PRA tools and Discussion with the group of farmer	Akrantapur & Odapada
Dhenkanal	Lack of technological backstopping to the WSHG groups keep them away from agrobased enterprises	Through PRA tools and Discussion with the group of farmer	Talabarkote & Sadar
Dhenkanal	Low milk yield of desi cows	Through PRA tools and Discussion with the group of farmer	Mahadia & Odapada
Dhenkanal	Low body weight of desi birds	Through PRA tools and Discussion with the group of farmer	Gurujangulei & Kankadahad
Dhenkanal	Under utilization of paddy straw	Through PRA tools and Discussion with the group of farmer	Tabapal Nuasahi & Sadar
Dhenkanal	Under utilization of oyster mushroom cultivation	Through PRA tools and Discussion with the group of farmer	Bangursingh & Sadar
Dhenkanal	Improper utilization of family labour and home stead lands	Through PRA tools and Discussion with the group of farmer	Majhisahi & Sadar
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	Sogara & Kamakhyanagar
Dhenkanal	Shortage of quality timbers	Through PRA tools and Discussion with the group of farmer	Tamanda & Odapada
Dhenkanal	Unutilization of Waste land	Through PRA tools and Discussion with the group of farmer	Bagda & Odapada
Dhenkanal	Shortage of quality timbers, unutilized farm bunds	Through PRA tools and Discussion with the group of farmer	Harekrushnapur & sadar
Dhenkanal	Lack of quality planting material of forest species	Through PRA tools and Discussion with the group of farmer	Banjhakusuma & Sadar

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)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Dhenkanal	2016 Kharif	Low production of papaya due to improper planting geometry, pest, disease & water management	Assessment	ICM	Papaya	Rainfed, medium land	0.4 ha	04	Assessment of crop management in papaya with pest, disease and water management				
Dhenkanal	2016 Kharif	Low yield due to use of utkal kumari, low keeping quality	Assessment	ICM	Tomato	Rainfed, upland	2 nos	13	Assessment of Tomato hybrids under protected cultivation				
Dhenkanal	Kharif 2016	Low yield of paddy due to high infestation of yellow stem borer	Assessment	IPM	Paddy	Rainfed, upland	0.4	06	Assessment of Flu bendiamide 20% WG against yellow stem borer in paddy				
Dhenkanal	Kharif, 2016	Low yield of groundnut due to high infestation of spodoptera	Assessment	IPM	Groundnut	Irrigated upland	0.4	06	Assessment of Flu-bendiamide 39.35% sc for management of spodoptera in groundnut				
Dhenkanal	Kharif, 2016	Low yield of okra due to high infestation of leaf hopper	Assessment	IPM	Okra	Irrigated upland	0.4	06	Assessment of Clothianidin 0.5 G (40G a.i. /ha) against Okra leaf hopper				
Dhenkanal	Kharif 2016	Cattle and buffalo give less return due to availability of green fodder in less quantity	Assessment	Agro forestry	Bauhinia and leucaena	Rainfed, upland	0.4	04	Assessment of fodder productivity of bauhinia and leucaena plants				
Dhenkanal	Kharif 2016	Rainfed upland give less production	Assessment	Agro forestry	Dalbargia, bauhinia, mangifera	Rainfed, upland	0.4	04	Assessment of Silvi-horti pastoral system for rainfed uplands				
Dhenkanal	Kharif 2016	Low yield of paddy straw mushroom variety <i>V.volvacea</i>	Assessment	Income generation	Mushroom	Homestead	130 no of beds	13	Assessment of managing paddy straw mushroom beds during summer season				
Dhenkanal	Kharif 2016	High labour cost and time involved in manual random transplanting and line	Assessment	Farm mechanization	Paddy	Rainfed, medium land	0.52	13	Assessment of 8-row self propelled Rice Transplanter				

		transplanting											
Dhenkanal	Kharif 2016	High cost and more time involved in puddling operation	Assessment	Farm mechanization	Paddy	Rainfed, medium land	0.52	13	Assessment of Tractor drawn Rotavator for Puddling in Paddy				
Dhenkanal	Kharif 2016	Suboptimal utilization of scavenged feed leading to slow growth	Assessment	LPM	Poultry	Semi intensive system	130 nos	13	Assessment of Multienzyme mixture on growth of chickens				
Dhenkanal	Kharif 2016	Irregular egg laying practice	Assessment	LPM	Poultry	Semi intensive system	130 nos	13	Assessment of Calcium supplement for regular egg laying in backyard poultry				
Dhenkanal	Kharif 2016	Low yield and return	Assessment	Production and management	Fish	Rainfed	2 ha	06	Assessment of multi species stocking in composite pisciculture				
Dhenkanal	Kharif 2016	Low yield and return	Assessment	Production and management	Fish	Rainfed	2 ha	05	Assessment of low cost locally available feed in composite pisciculture				
Dhenkanal	Kharif 2016	Low yield due to heavy infestation of YVMV	Assessment	Varietal substitution	Okra	Rainfed	0.4	05	Assessment of okra hybrids for YVMV tolerant under rice-vegetables cropping system				
Dhenkanal	Rabi 2016-17	Non availability of irrigation in Rabi season, prevents farmer to opt for second crop	Assessment	ICM	Pulse	Rainfed, Medium	0.4	05	Assessment of rice based paira cropping system in rice fallow				
Dhenkanal	Rabi 2016-17	Yield stagnation	Assessment	Varietal substitution	Marigold	Irrigated, upland	0.4	13	Assessment of high yielding varieties of marigold for higher productivity				
Dhenkanal	Rabi 2016-17	Low yield of brinjal due to high infestation of shoot and fruit borer	Assessment	IPM	Brinjal	Irrigated upland	0.4	06	Assessment of IPM module for controlling shoot and fruit borer in brinjal				
Dhenkanal	Rabi 2016-17	Farmers get less price by selling char seed	Assessment	Agro forestry	Buchanania	Rainfed, upland	04 nos	04	Assessment of chemico-mechanical and physico mechanical method of processing of char seed				
Dhenkanal	Rabi 2016-17	Lakhs of date palm and palmyra palm give less / no production of	Assessment	Agro forestry	Palmyra and date palm	Rainfed, upland	0.4	04	Assessment of production potential of date palm and palmyra				

		different end uses								palm plant				
Dhenkanal	Rabi 2016-17	Heavy infestation of storage pest in pulses	Assessment	Storage loss minimization technique	Greengram	Homestead	13	13		Assessment of storage bin (plastic bin) for storing of pulses (Greengram)				
Dhenkanal	Rabi 2016-17	Deterioration of mushroom quality and self life in sun drying	Assessment	Value addition	Mushroom	Homestead	13	13		Assessment of low cost technology of drying of Oyster Mushroom				
Dhenkanal	Rabi 2016-17	Winnowing by Bamboo Winnowers (<i>Kulla</i>) is time, labour consuming and drudgery prone.	Assessment	Drudgery reduction	Paddy	Rainfed, upland	13	13		Assessment of hand operated paddy winnower for drudgery reduction				
Dhenkanal	Rabi 2016-17	High labour cost and more time involved in large area groundnut sowing	Assessment	Farm mechanization	Groundnut	Irrigated, medium land	0.52	13		Assessment of Power Tiller operated 5-row seed cum fertilizer drill in sowing Groundnut				
Dhenkanal	Rabi 2016-17	Low quality of milk production and improper nutrition of dairy cattle	Assessment	LPM	Dairy	Stall fed	13 nos	13		Assessment of feeding Bypass fat on quality of milk production				
Dhenkanal	Rabi 2016-17	Unavailability of grazing land	Assessment	LPM	Goat	Free ranging	26 nos	13		Assessment of controlled feeding of concentrate and feed supplement on body weight gain of kids during lean season				

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 ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2015-16)

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	Cow pea	ICM	Cultivation of cowpea variety Utkala manika	Training, Demonstration, Field day	05	13	1
Dhenkanal	Brinjal	ICM	Cultivation of brinjal under protected condition	Training, film show, and demonstrations	05	13	0.4
Dhenkanal	Banana	ICM	Planning geometry in tissue culture banana	Training, leaflet and demonstration	05	13	0.4
Dhenkanal	Groundnut	Farm Mechanization	Performance of Wheel Cycle Weeder in Groundnut	Training and huge demonstrations	04	50	15
Dhenkanal	Paddy	Farm Mechanization	Performance of Paddy Power Weeder	Training, film show, and demonstrations	05	120	25
Dhenkanal	Azolla	Nutritional Security	Multiplication of Azolla (Variety. <i>Azolla caroliniana</i>) in low cost tank /pit of size 2mX1.5mX20cm and feeding 1-1.5kg Azolla per cow per day	Training, Demonstration	20	105	250 units
Dhenkanal	Sugarcane	Drudgery reduction	Drudgery reduction of farm women by using sugarcane bud chipper	Training, Demonstration, CD show	35	300	60
Dhenkanal	Groundnut	Value addition	Roasting of cleaned peanutkernel to remove red skin. The kernels are ground in a grinding machine with addition of hydrogenated vegetable oil at 5% level and salt at 2% level to a smooth fine paste	Training, Demonstration	6	25	5 enterpr eneurs
Dhenkanal	Vegetable	Small scale income generating activities	Temperature of zero energy cool chamber remains within 10 to 15 degree centigrade in which the self life of vegetables upto 3 days , other vegetables 5 days, potatoes 52 days, mango 8 days	Training, Demonstration, Field day	7	20	5 nos
Dhenkanal	Bamboo	Agro forestry	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	Training, leaflet and demonstration	10	150	90

3.2 Details of FLDs to be implemented during 2015-16

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demo ns	Check		SC	ST	OBC	Others	Total
Dhenkanal	ICM	Onion	Kharif 2016	Demonstration on IPM and post harvest management in kharif onion varieties	Onion - 0.4	Bhima super								5
Dhenkanal	ICM	Turmeric	Kharif 2016	Demonstration of turmeric variety Rasmi as intercrop in mango orchard	Turmeric - 0.4	Rasmi								5
Dhenkanal	IDM	Onion	Kharif 2016	Application of IDM practices for controlling purple blotch disease in Onion	Onion - 1.0	Bhima super								10
Dhenkanal	IPM	Pigeon pea	Kharif 2016	Application of integrated pest management for controlling pod borer in pigeonpea (Arhar)	Pigeon pea - 1.0	Asha								10
Dhenkanal	ICM	Groundnut	Kharif 2016	Improve package and practices of groundnut cultivation	Groundnut - 30.0	Smruti/ Kadri - 6								75
Dhenkanal	ICM	Sesamum	Kharif 2016	Improve package and practices of sesamum cultivation	Sesamum - 30.0	Prachi								75
Dhenkanal	ICM	Arhar	Kharif 2016	Improve package and practices of arhar cultivation	Arhar - 30.0	Upas 120/ Asha								75
Dhenkanal	Agro forestry	Mango	Kharif 2016	Preparation of mango split by pit method	Mango - 4 nos	Local mango and mixed								4
Dhenkanal	Agro forestry	Teak	Kharif 2016	Establishment of teak stand in rainfed upland for rural timber need	Teak - 0.8	Teak								4
Dhenkanal	Agro forestry	Eucalyptus	Kharif 2016	Establishment of eucalypt stand for rural fire wood and small wood need	Eucalyptus - 0.4	Eucalyptus hybrid								4
Dhenkanal	Agro forestry	Mahua	Kharif 2016	Mahual seed hulling by manually run decorticator	Mahua - 5 nos	Mahua								5

Dhenkanal	Drudgery reduction	Sugar cane bud chipper	Kharif 2016	Demonstration on sugarcane bud chipper for Drudgery reduction of farm women	10	Sugarcane												10
Dhenkanal	Nutritional Support	Azolla	Kharif 2016	Demonstration on Azolla as supplementary feed for milching cow	10	. Azolla caroliniana												10
Dhenkanal	Farm mechanization	Paddy	Kharif 2016	FLD on Paddy Power Weeder	Paddy – 0.4	Pooja												10
Dhenkanal	Farm mechanization	Groundnut	Kharif 2016	Wheel Cycle Weeder for intercultural operation in Groundnut	Groundnut – 0.4	Smruti												10
Dhenkanal	Livestock production management	Ducks	Kharif 2016	Demonstration on rearing of Khaki Campbell ducks for egg laying	Ducks - 200 nos	Khaki Campbell												10
Dhenkanal	Livestock production management	Poultry	Kharif 2016	Demonstration on rearing of dual purpose backyard poultry in semi intensive system	Poultry - 200 nos	Chabro												10
Dhenkanal	Production and management	Fish	Kharif 2016	Performance of floating feed in composite pisciculture	Fish – 1.0	Fish												2
Dhenkanal	ICM	Pointed gourd	Rabi 2016-17	Demonstration on trellis system in pointed gourd.	Pointed gourd – 0.4	Swarna alokik												5
Dhenkanal	ICM	Brinjal	Rabi 2016-17	Demonstration on cultivation of brinjal under protected condition	Brinjal – 5	Swarna sakti												5
Dhenkanal	IPM	Papaya	Rabi 2016-17	Application of Thiomethoxam for controlling mealy bug in papaya	Papaya – 1.0	Pusa nanha												10
Dhenkanal	IDM	Cucumber	Rabi 2016-17	Application of carbendazim with mancozeb for controlling downey mildew in cucumber	Cucumber 1.0	Ratna												10
Dhenkanal	ICM	Groundnut	Rabi 2016-17	Improve package and practices of groundnut cultivation	Groundnut – 30.0	Smruti/ Devi												75

Dhenkanal	ICM	Mustard	Rabi 2016-17	Improve package and practices of mustard cultivation	Mustard –30.0	Susri / Anuradha												75
Dhenkanal	ICM	Sesamum	Rabi 2016-17	Improve package and practices of sesamum cultivation	Sesamum –30.0	Prachi / Amrit												75
Dhenkanal	ICM	Blackgram	Rabi 2016-17	Improve package and practices of blackgram cultivation	Blackgram –40.0	Prasad / sarala												100
Dhenkanal	Value addition	RTS from stone apple	Rabi 2016-17	Demonstration on Preparation of RTS from stone Apple	500 bottles	Stone apple												10
Dhenkanal	Income generation	Mushroom	Rabi 2016-17	Demonstration of Oyster mushroom variety Hypsizygous ulmarius	200 bags	<i>Hypsizygous ulmarius</i>												10
Dhenkanal	Farm mechanization	Groundnut	Rabi 2016-17	Demonstration of Bullock drawn Groundnut Digger	Groundnut – 0.4	Smruti												10
Dhenkanal	Farm mechanization	Blackgram	Rabi 2016-17	Demonstration of Bullock drawn 3-row inclined Plate Planter in sowing Blackgram	Blackgram – 0.4	Local												10
Dhenkanal	Livestock production management	Dairy cattle	Rabi 2016-17	Demonstration of liquid Calcium supplement on performance of lactating cattle	Cattle – 10 nos	CB cows												10
Dhenkanal	Livestock production management	Goatery	Rabi 2016-17	Demonstration of deworming drugs on performance of goats	Goatery - 100	Goats												10
Dhenkanal	Production and management	Fish	Round the year 2016-17	Performance of jayanti rohu in mixed carp culture	Fish – 2.0	Jayanti rohu with carp												5
Dhenkanal	Production and management	Carp	Round the year 2016-17	Performance of multiplex in mixed carp culture system	Carp – 2.0	Carp												4

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
Dhenkanal													

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Dhenkanal	Onion	Field days	2	100	
		Farmers Training	2	50	
		Media coverage	1		
		Training for extension functionaries	1	15	
Dhenkanal	Turmeric	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Pigeon pea	Field days	2	100	
		Farmers Training	2	50	
		Media coverage	1		
		Training for extension functionaries	1	15	
Dhenkanal	Groundnut	Field days	4	200	
		Farmers Training	4	100	
		Media coverage	2		
		Training for extension functionaries	1	15	
Dhenkanal	Sesamum	Field days	2	100	
		Farmers Training	2	50	
		Media coverage	1		
		Training for extension functionaries	1	15	
Dhenkanal	Mango	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries	1		
Dhenkanal	Teak	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries	1	15	
Dhenkanal	Eucalyptus	Field days	1	50	
		Farmers Training	1	25	

		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Mahua	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Sugar cane bud chipper	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Azolla	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Paddy	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Ducks	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Poultry	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries	1	15	
Dhenkanal	Fish	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Pointed gourd	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Brinjal	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Papaya	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			

Dhenkanal	Cucumber	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Mustard	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Blackgram	Field days	2	100	
		Farmers Training	2	50	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	RTS from stone apple	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Mushroom	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Dairy cattle	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Goatery	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries			
Dhenkanal	Carp	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1		
		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	Tomato	Swarna Anmol,	ICAR, RCER, Ranchi	13	0.4
2	Dhenkanal	Brinjal	Swarna sakti	ICAR, RCER, Ranchi	13	0.4
3	Dhenkanal	Capsicum	Atulya	ICAR, RCER, Ranchi	2	0.4

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				

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Dhenkanal	

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
Thematic Areas for Training	
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		
Dhenkanal	RY	PRA and Farmer scientist interaction		
Dhenkanal	IS	PRA and Farmer scientist interaction		

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	7	8		9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	HOF	Selection & treatment of banana suckers before banana cultivation	1	1	25								
Dhenkanal	FW	OFC	HOV	Nursery raising techniques of kharif tomato	1	1	25								
Dhenkanal	FW	OFC	HOF	Fertilizer management of young mango orchards	1	1	25								
Dhenkanal	FW	OFC	HOV	Layout for planting of fruits and vegetables suitable for pond embankment	1	1	25								
Dhenkanal	FW	OFC	HOV	Integrated nutrient management for off season cabbage cultivation	1	1	25								
Dhenkanal	FW	OFC	HOF	Fertilizer management in banana plantations	1	1	25								
Dhenkanal	FW	OFC	HOV	Integrated nutrient management in brinjal	1	1	25								
Dhenkanal	FW	ONC	HOO	Propagation technique of rose plants	1	1	15								
Dhenkanal	FW	OFC	HOV	Fertilizer management in chilli	1	1	25								
Dhenkanal	FW	OFC	HOV	Weed management in kharif onion	1	1	25								
Dhenkanal	FW	OFC	HOV	Post harvest management of potato	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	7	8		9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	HOO	Staggered planting material of marigold for round the season production of flowers	1	1	25								
Dhenkanal	FW	OFC	HOV	Layout and planting method of pointed gourd CV. Swarna Alaukik	1	1	25								
Dhenkanal	FW	OFC	PLP	Management of blast, sheath blight & BLB disease in Paddy	1	1	25								
Dhenkanal	FW	OFC	PLP	Technology for treatment of seed & Seedlings for control of diseases	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest Management in Paddy	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest & Disease Management in mango	1	1	25								
Dhenkanal	FW	OFC	PLP	Identification and management of different pest and disease in groundnut	1	1	25								
Dhenkanal	FW	ONC	PLP	Integrated pest & disease management in Arhar	1	1	25								
Dhenkanal	FW	OFC	PLP	Identification and management of different pest and disease in sesamum	1	1	25								
Dhenkanal	FW	OFC	PLP	Important pest and disease of solanaceous crops, their identification and management practice	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest & Disease Management in blackgram	1	1	25								
Dhenkanal	FW	OFC	PLP	Important pest and disease management in cucurbitaceous crop	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest & Disease Management in papaya	1	1	25								
Dhenkanal	FW	OFC	PLP	Integrated Pest & Disease Management in sugarcane	1	1	25								
Dhenkanal	FW	OFC	AGF	Agro forestry system for upland fallow management	1	1	25								
Dhenkanal	FW	OFC	AGF	Pros and cons of eucalypt cultivation	1	1	25								
Dhenkanal	FW	ONC	AGF	Fodder values of different trees, shrubs, grasses	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	7	8		9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	AGF	Importance of char plant	1	1	25								
Dhenkanal	FW	ONC	AGF	Value addition of cashew nut thalamus	1	1	25								
Dhenkanal	FW	OFC	WOE	Adaptive farming practices in context of climate change	1	1	25								
Dhenkanal	FW	OFC	WOE	Role of SHGs for strengthening farm family nutrition security	1	1	25								
Dhenkanal	FW	OFC	WOE	Azolla cultivation in backyard in milching cow	1	1	25								
Dhenkanal	FW	OFC	WOE	Scientific practices of paddy straw mushroom cultivation during peak period of summer	1	1	25								
Dhenkanal	FW	OFC	WOE	Different strains of mushroom and their preservation	1	1	25								
Dhenkanal	FW	OFC	WOE	Safe storage of food grains	1	1	25								
Dhenkanal	FW	OFC	WOE	Value addition of stone apple	1	1	25								
Dhenkanal	FW	OFC	WOE	Women friendly tools and implements for drudgery reduction of farm women	1	1	25								
Dhenkanal	FW	OFC	WOE	Best practices for preservation of traditional variety of seeds	1	1	25								
Dhenkanal	FW	OFC	LPM	Duck farming as a livelihood in rural areas	1	1	25								
Dhenkanal	FW	OFC	LPM	Importance of feeding of feed supplement ion goats	1	1	25								
Dhenkanal	FW	OFC	LPM	Importance of multienzyme mixture in the growth of poultry	1	1	25								
Dhenkanal	FW	OFC	LPM	Importance of feeding of calcium in layers during egg laying stage	1	1	25								
Dhenkanal	FW	OFC	LPM	Care and management of calves	1	1	25								
Dhenkanal	FW	OFC	LPM	Importance of deworming in goats	1	1	25								
Dhenkanal	FW	OFC	LPM	Ethno Veterinary practices in Veterinary Science	1	1	25								
Dhenkanal	FW	OFC	LPM	Preventive diseases of domestic animals	1	1	25								
Dhenkanal	FW	OFC	LPM	Management of broilers and layers during hot and winter	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	7	8		9	10	11	12	13	14	15	16
				season											
Dhenkanal	FW	OFC	LPM	Package of practices of different fodder crops	1	1	25								
Dhenkanal	FW	OFC	AEG	Use of farm implements in direct seeded Paddy cultivation	1	1	25								
Dhenkanal	FW	ONC	AEG	Working mechanism of self propelled Rice Transplanter	1	1	25								
Dhenkanal	FW	OFC	AEG	Performance of Wheel Cycle Weeder for intercultural operations in Groundnut	1	1	25								
Dhenkanal	FW	OFC	AEG	Operation, Maintenance, safety precautions to be taken in using Tractor	1	1	25								
Dhenkanal	FW	ONC	AEG	Land preparation and calibration of Power Tiller operated Seed drill	1	1	25								
Dhenkanal	FW	OFC	AEG	Operation & maintenance of paddy Power weeder	1	1	25								
Dhenkanal	FW	OFC	AEG	Use of Bullock drawn Groundnut digger for harvesting of Groundnut.	1	1	25								
Dhenkanal	FW	ONC	AEG	Micro irrigation in Vegetable crops	1	1	25								
Dhenkanal	FW	ONC	AEG	Use of Bullock drawn 3-row Inclined Plate planter in sowing pulses.	1	1	25								
Dhenkanal	FW	ONC	AEG	Role of mulching in water conservation in horticultural crops.	1	1	25								
Dhenkanal	FW	OFC	FIS	Prestocking pond management practice	1	1	25								
Dhenkanal	FW	OFC	FIS	Identification of different cultivable fishes & stocking procedure	1	1	25								
Dhenkanal	FW	OFC	FIS	Water quality management of stocking pond	1	1	25								
Dhenkanal	FW	OFC	FIS	Post stocking management of Pisciculture Tank	1	1	25								
Dhenkanal	FW	OFC	FIS	Feed management for carp culture	1	1	25								
Dhenkanal	FW	OFC	FIS	Use of low cost farm made feed for fish	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	7	8		9	10	11	12	13	14	15	16
Dhenkanal	FW	OFC	FIS	Management of pond in winter season	1	1	25								
Dhenkanal	FW	OFC	FIS	Intercropping of Javapunti along with Composite Pisciculture	1	1	25								
Dhenkanal	FW	OFC	FIS	Fish diseases and their management	1	1	25								
Dhenkanal	FW	OFC	FIS	Integrated Fish Farming	1	1	25								
Dhenkanal	IS	ONC	HOO	Rose planting material production technique in shed net house	1	1	10								
Dhenkanal	IS	ONC	PLP	Impact of climate change on different insect pest of major field crops	1	1	15								
Dhenkanal	IS	ONC	PLP	Use of different newer molecules in pest and disease management	1	1	15								
Dhenkanal	IS	ONC	AGF	Timber gradation with reference to teak	1	1	15								
Dhenkanal	IS	ONC	AGF	Preparation of incense stick	1	1	15								
Dhenkanal	IS	ONC	AGF	Biomass estimate of tree parts	1	1	15								
Dhenkanal	IS	ONC	WOE	Occupational safety and drudgery reduction among farm women	1	1	15								
Dhenkanal	IS	ONC	LPM	Importance of postmortem findings for better livestock farming	1	1	10								
Dhenkanal	IS	ONC	AEG	Recent Agricultural Engineering Technologies	1	1	15								
Dhenkanal	IS	ONC	FIS	Use of low cost farm made feed for fish	1	1	15								
Dhenkanal	IS	ONC	FIS	Use of different types of probiotics in pisciculture Tank	1	1	15								
Dhenkanal	RY	ONC	HOV	Seed production and seed extraction techniques in tomato	1	1	15								
Dhenkanal	RY	ONC	PLP	Use of different type of bio agents and botanical for different insect pest	1	1	15								
Dhenkanal	RY	ONC	AGF	Utility of oil cakes from tree seed and crop seed	1	1	20								
Dhenkanal	RY	ONC	AGF	Preparation of candy from palm nectar	1	1	20								

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	7	8		9	10	11	12	13	14	15	16
Dhenkanal	RY	ONC	AGF	Value addition of jack fruit	1	1	20								
Dhenkanal	RY	ONC	WOE	SHG led promotion of nutrition garden in village school, way forward to strengthen mid day meal scheme for school children	1	2	15								
Dhenkanal	RY	ONC	WOE	Women farmer as women entrepreneur, agriculture as enterprise in 21 st century	1	1	15								
Dhenkanal	RY	ONC	LPM	Scientific goat farming	1	1	15								
Dhenkanal	RY	ONC	AEG	Micro Irrigation system and Protected cultivation	1	1	15								
Dhenkanal	RY	ONC	AEG	Cost economics of Agro Service Centre Model	1	1	15								
Dhenkanal	RY	ONC	FIS	Culture technique of yearling	1	1	15								
Dhenkanal	RY	ONC	FIS	Culture technique of fingerlings	1	1	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	Importance of bee keeping in Dhenkanal district	Enterprise	Income generation	04					15	
Dhenkanal	Preparation of amchur, leather, juice, pulp etc of mango	Enterprise	Value addition	04					20	
Dhenkanal	Scientific poultry farming	Enterprise	Income generation	04					15	
Dhenkanal	Commercial mushroom cultivation	Enterprise	Income generation	04						15
Dhenkanal	Breeding and rearing of different types of ornamental fishes			04					15	
Dhenkanal	Organic farming	Crop	ICM	04					15	
Dhenkanal	Operation & maintenance of harvesting implements used in Paddy cultivation	Paddy	Farm Mechanization	04					15	

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 else where
		Type of units	Number of units	Number of persons employed	
Dhenkanal					

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		
Dhenkanal														

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	
Dhenkanal									

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	20										
Dhenkanal	Kisan Mela	02										
Dhenkanal	Kisan Ghosthi	10										
Dhenkanal	Exhibition	08										
Dhenkanal	Film Show	15										
Dhenkanal	Method Demonstrations	10										
Dhenkanal	Farmers Seminar	01										
Dhenkanal	Workshop	01										
Dhenkanal	Group meetings	30										
Dhenkanal	Lectures delivered as resource persons	30										
Dhenkanal	Newspaper coverage	10										
Dhenkanal	Radio talks	05										
Dhenkanal	TV talks	06										
Dhenkanal	Popular Articles	10										
Dhenkanal	Extension Literature	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			
Dhenkanal	Farm Advisory Services	150										
Dhenkanal	Scientific visit to farmers field	180										
Dhenkanal	Farmers Visit to KVK	275										
Dhenkanal	Diagnostic Visits	36										
Dhenkanal	Exposure Visits	05										
Dhenkanal	Ex-trainees Sammelan	04										
Dhenkanal	Soil Health Camp	01										
Dhenkanal	Animal Health Camp	01										
Dhenkanal	Agri Mobile Clinic	04										
Dhenkanal	Soil Test Campaigns	01										
Dhenkanal	Farm Science Club conveners meet	04										
Dhenkanal	Self Help Group conveners meetings	04										

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	Rani & Swarna sub-1	SD	180	Quintal	468000	-
Dhenkanal	Enterprise	Mushroom	V.volvaceae P.sajarcaju		2.0 1.0	qtl qtl	10000 5000	Public sale

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	Brinjal	July 1 st week, Sept 1 st week	Sept, 1 st week Oct, 1 st week	100m ²	Utkal Tarini, Swarna sakti	Seedling	30000	6000	15000	
Dhenkanal	Vegetables	Onion	July 1 st week, Sept 1 st week	Sept, 1 st week Oct, 1 st week	100m ²	Bhima super	Seedling	400000	13000	20000	
Dhenkanal	Vegetables	Chilli	Jan 1 st week july 1 st week	Feb, 1 st week Aug, 1 st week	100m ²	Kanchan, Shyam hot	Seedling	20000	4000	10000	

Dhenkanal	Fruit	Papaya	April 3 rd	July 3 rd	100m ²	CHD, Pusha Nanha	Seedling	20000	200000	300000	
Dhenkanal	Tree species	Sisu	April 3 rd	July 3 rd	100m ²	Local	Seedling	500	1250	3000	
Dhenkanal	Tree species	Eucalypt	April 3 rd	July 3 rd	100m ²	Local	Seedling	1000	2500	6000	
Dhenkanal	Tree species	Bamboo	April 3 rd week	July 3 rd	100m ²	Local	Seedling	500	1250	2500	
Dhenkanal	Tree species	Amla	April 3 rd week	July 3 rd week	100m ²	Local	Seedling	300	750	1800	
Dhenkanal	Tree species	Camphor	April 1 st week	Aug. 1 st week	100m ²	Dehradun	Seedling	300	1500	3000	
Dhenkanal	Tree species	Drumstick	April 4 th week	July 1 st week	100m ²	PKM-1	Seedling	500	1500	4000	
Dhenkanal	Tree species	Misc.	April 1 st week	Aug. 4 th week	100m ²		Seedling	900	2250	4500	

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	Vanaraja & Chabro	1 day old chick	800	29600	44000	

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	120	9500	500	ICM, IPM, INM, IDM, Farm mechanization, Irrigation water management, value addition, drudgery reduction, mushroom cultivation, fish farming, Bamboo cultivation, management of nursery

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Dhenkanal	8.8.2016	25	
Dhenkanal	12.12.2016	25	

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, 2016	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			

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	01				
Technical bulletins	04				
Technical reports	2				
Popular article	06				
News paper coverage	10				
Training calendar	1				
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					
Dhenkanal	Minor irrigation					
Dhenkanal	Watershed					
Dhenkanal	RKVY					
Dhenkanal	DRDA					
Dhenkanal	Zila Panchyat					
Dhenkanal	Seed Village					
Dhenkanal	Climate Change					
Dhenkanal	BGREI					

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds):

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	June, August, September, November, December, February & March	2016	Income generation activity, integrated fish farming, Seedling production, Bee keeping, agro Service centre	28	105	28	

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	01	Renovation is required

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr .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

Name of KVK	Name of Component of Park	Detail Information (If established)
Dhenkanal	Crop Cafeteria	
Dhenkanal	Technology Desk	
Dhenkanal	Visitors Gallery	
Dhenkanal	Technology Exhibition	
Dhenkanal	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Ginger	1
2	Brinjal	1
3	Chilli	1
4	Bitter gourd	1
5	Cashewnut	1
6	Agroshednet	1
7	Mushroom unit	1
8	Poultry unit	1
9	Vermicompost units	1
10	Fish fry	1
11	Ducklings	1
12	Azolla	1
13	Nutritional Garden	1
14	Medicinal garden	1

17. 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	Chaitanya Baske	Vegetable cultivation	Majhisahi, Dhenkanal,9777156293
2	Dhenkanal	Ghanashyam padhy	High tech farming	Bhgirathipur, Dhenkanal 9437388555
3	Dhenkanal	Chakradhara Maharana	Lac craft	Gondia, 8895475270
4	Dhenkanal	Dularam Baske	Production of Para Rubber	Majhisahi, Dhenkanal, 9178429568
5	Dhenkanal	Tinka Panda	Cashew processing	Ostapala,,Dhenkanal 9437231969
6	Dhenkanal	Prabesh Kumar Jena	IFS	Gobindaprasad, Odapada, 7504954390
7	Dhenkanal	Tapan Panda	Yearling production	Analabareni, Kamakhyanagar,9861176706
8	Dhenkanal	Jhunubala sahoo	Mushroom	Lambodarpur, Dhenkanal 9861039964
9	Dhenkanal	Sarojini Sahu	Value addition	Khandabandha, Gondia,9776759493
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.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	1 st May	15
2	25 th July	15
3	24 th August	15
4	25 th Sept	15
5	16 th Oct	15
6	28 th Nov	15
7	16 th Dec	15
8	16 th Jan	15
9	13 th Feb	15
10	25 th 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

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Dhenkanal	28.06.2011	21	-

24. Status of RTI

Sr. 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 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							

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Dhenkanal	Gosthies	4	120	Paddy, Groundnut, fishery
Dhenkanal	Lectures organized	5	250	INM, IPM, Value
Dhenkanal	Exhibition	6	300	Enterprises and value addition
Dhenkanal	Film show	6	300	Crop and livestock
Dhenkanal	Fair	1	100	Agricultural technology
Dhenkanal	Farm Visit	8	80	Horticulture
Dhenkanal	Diagnostic Practical's	2	100	Liming, seed treatment, soil collection, repair of tractor, feeding to fish
Dhenkanal	Distribution of Literature (No.)	8	350	Agricultural technology
Dhenkanal	Distribution of Planting materials (No.)	10000	100	Vegetables
Dhenkanal	Bio Product distribution (Kg)	1000	10	Vermicompost
Dhenkanal	Bio Fertilizers (q)			
Dhenkanal	Distribution of fingerlings (No)	20000	10	Fish(IMC)
Dhenkanal	Distribution of Livestock specimen (No.)	100	10	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

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Dhenkanal	Gnut	05	25
2	Dhenkanal	Arhar	05	25

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Dhenkanal	Oilseeds	5.0	38
2	Dhenkanal	Pulses	5.0	25
3	Dhenkanal	Cereals	5.0	15
4	Dhenkanal	Vegetable crops	2.0	20
5	Dhenkanal	Tuber crops	1.0	5
6	Dhenkanal	Fruits	1.0	5
7	Dhenkanal	Spices		
8	Dhenkanal	Cotton		
	Dhenkanal	Total	19.0	108

Farmers-scientists interaction on livestock management

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

Animal health camps to be organized

Name of KVK	Number of camps	No. of animals	No. of farmers
Dhenkanal	01	100	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	vegetables	0.5	5	10

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Dhenkanal	Brinjal	1000	0.1	2
Dhenkanal	Chilli	1000	0.05	2
Dhenkanal	Ginger	1000	0.25	2
Saplings				
Dhenkanal	Teak, Eucalyptus	600	1	5

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Dhenkanal				

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers

Vermis Produced

Name of KVK	Vermis 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 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	weed management in groundnut	1200	2500

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	6	180	20	600	1	500	3	150	06	240
Total	20	500	6	180	20	600	1	500	3	150	06	240

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 /awardee	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 –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Dhenkanal	05	05

Two best only in the following format: Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

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) {attached in Annexure-I}