

A decorative border consisting of a repeating pattern of small green tree icons, forming a rectangular frame around the central text.

ACTION PLAN

April 2017 to March 2018

Krishi Vigan Kendra, Angul

**Zone-V
ATARI, KOLKATA**

Orissa University of Agriculture & Technology, Bhubaneswar

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Instructions for Filling the Format

1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.
2. Do not merge columns, rows.
3. Please repeat the name of KVK in each table in the column “Name of KVK”.
4. Do not fill the non-numerical values in numeric field
5. Do not repeat the unit while reporting data as it is already mentioned in the heading row
6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit
7. Please mention only Standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)
8. Additional relevant information may be provided at the end of Format mentioning “Additional Information”
9. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.

Note for Annual Action Plan 2017-18

1) Kindly fill up only targeted/ proposed information for Annual Action Plan-from 1st April, 2014 to 31st March 2015 in the table no.1,(1.1,1.2,1.3,1.4), 2.1, 3.2, 3.4, 3.5, 4.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 6.0, 7.1, 7.2, 7.3, 7.4, 8.1, 9.0, 10.0, 11, 12.1, 12.2, 12.3, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29. Remaining of the column and tables will be filled up after completion of the work as Annual Progress Report.

2) Any other activities proposed not mentioned in this format may be incorporated in the last page with certain specification.

PERIOD – April 2017 to March, 2018

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	
Angul	OFTs	18	229			
Angul	FLDs – Oilseeds (activity in ha)	60	138			
Angul	FLDs – Pulses (activity in ha)	80	188			
Angul	FLDs – Cotton (activity in ha)					
Angul	FLDs – Other than Oilseed and pulse crops(activity in ha)	17.2	95			
Angul	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	14	87			
Angul	Training-Farmers and farm women	77	1925			
Angul	Training-Rural youths	22	290			
Angul	Training- Extension functionaries	17	255			
Angul	Extension Activities	363	4682			
Angul	Seed Production (Number of activity as seeds in quintal)	1				
Angul	Planting material ((Number of activity as quantity of planting material in quintal)					
Angul	Seedling Production (Number of activity as number of seedlings in numbers)	8	296500			
Angul	Sapling Production (Number of activity as number of sapling in numbers)					
Angul	Other Bio- products (No. of quantity)	1	16			
Angul	Live stock products	7	10810			
Angul	Activities of Soil and Water Testing Laboratory	450	1750			
Angul	Rainwater Harvesting System					
Angul	Kisan Mobile Advisory (KVK-KMA)	90	12858			
Angul	SAC Meeting (Date & no. of core/ official members)	1	25			
Angul	Literature to be Developed/Published	34				
Angul	Convergence programmes / Sponsored programmes	1				
Angul	Utilization of Farmers Hostel					
Angul	Utilization of Staff Quarters	3	2			
Angul	Details of KVK Agro-technological Park					

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	
Angul	Crop Cafeteria-	6				
Angul	Farm Innovators- list of 10 farm innovators from the District	7				
Angul	Status of Revolving Funds	0				
Angul	Awards and Recognitions	2				
Angul	Case study / Success Story to be developed	5				
Angul	KVK Progressive Farmers interaction	12	360			
Angul	Outreach of KVK in the District (No. of blocks, no. of villages)	8				
Angul	Technology Demonstration under Tribal Sub Plan					
Angul	KVK Ring	6				
Angul	Important visitors to KVK	12				
Angul	Status of KVK Website					
Angul	Status of RTI					
Angul	E-connectivity					
Angul	Details of Technology Week Celebrations	6	200			
Angul	Interventions on Drought Mitigation	7	495			
Angul	Proposal of NAIP					
Angul	Proposal of NICRA					
Angul	Well labeled photographs	100				
Angul	Other Activities	10				

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Angul	Senior Scientist & Head	Dr. B.Satpathy	Agril.Extension	Ph.D	Agri. Extension	15600-39100	16310	12.11.2015 12.01.2006	Permanent	Others
Angul	Scientist 1	Dr. B.Mohanty	Agril. Engg.	Ph.D	Soil & water conservation Engineering	15600-39100	23950	14.03.2005	Permanent	Others
Angul	Scientist 2	Dr.S. Acharya	Home Science	Ph.D	Home Science	15600-39100	20590	11.05.2010	Permanent	Others
Angul	Scientist 3	Sri T.K. Samant	Agronomy	M.Sc	Agronomy	15600-39100	18320	12.12.2012	Permanent	Others
Angul	Scientist 4	Sri Gyanranjan Sahoo	Forestry	M.Sc	Forestry	15600-39100	20590	06.10.2015	Permanent	Others
Angul	Scientist 5	Dr. Monalisa Behera	Animal Sc.	M.V.Sc	Pathology	15600-39100	15600	23.07.2015	Permanent	Others
Angul	Scientist 6	Miss.Ipsita Mishra	Pl. Protection	M.Sc	Entomology	15600-39100	16250	06.11.2015	Permanent	Others
Angul	Programme Assistant	Mrs.R. P. Misra	Fishery Science	M.F.Sc	Fisheries Environment	9300-34800	11010	30.07.2012	Permanent	Others
Angul	Farm Manager	Dr. T. Sarangi	Plant Protection	Ph.D	Nematology	9300-34800	9300	04.02.2015	Permanent	Others
Angul	Programme Assistant (Comp.)	Sri P.K. Sahoo	Comp Sc.	MCA	RDBMS	9300-34800	15830	25.08.2015	Permanent	OBC
Angul	Accountant / superintendent	Vacant								
Angul	Stenographer	Sri.B. Jena	-	Degree	Secretarial practice	5200-20200	7860	13.10.2006	Cont.	Others
Angul	Driver	Mr. S. K. Mishra	-	Degree	Driving	5200-20200	6860	17.06.2013	Cont.	Others
Angul	Driver	Mr. B. Parida	-	10 th pass	Driving	5200-20200	6860	14.07.2014	Cont	Others
Angul	Supporting staff	Sri N. Behera	-	8 th pass	-	4750-14680	5820	30.07.2008	Cont.	Others
Angul	Supporting staff	Sri R. Parida	-	8 th pass	-	4750-14680	5820	02.08.2008	Cont.	Others

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
Angul	Mid-Central Table Land Zone	8	209	1272000	78.9%	SC-196109, ST-132994	141041	1.08 ha

- Angul lies between 20° 31' N & 21° 40' N latitude and 84° 15' E & 85° 23' E longitude. The total geographical area of Angul is 6232 sq.kms, and is the 11th largest district among 30 districts of Orissa. Angul shares its borders with Sundargarh in the north, Deogarh, Sambalpur & Sonepur in the west, Boudh & Nayagarh districts in the south, Dhenkanal & Cuttack in the south-east and Keonjhar in the east.
- Angul has a total population of 11,40,003 consisting of 51.51 percent male population and 48.49 percent female population and sex ratio is 941 which is slightly less than the state average of 972.
- There are 1910 villages in the district out of which 1661 are inhabited and 249 are uninhabited.
- The Human Development Index (HDI) of Angul is 0.663 which is higher than the state average of 0.579. Similarly, the income index is also significantly higher 0.748 for Angul as against the state average of 0.545.
- The participation rate of women in the total workforce of the district is slightly higher (32.48 percent) than the state average 31.54 percent.
- The total cultivable area of this district is 2, 16,403 ha constituting 32.7 percent of the total geographical area of the district.
- The mean annual rainfall of the district is 1422 mm & the irrigation potential is 23 percent with the net irrigated area 38867 hectares in kharif and 24120 hectares in rabi.

The prime cropping system of the district is rice - pulse (Greengram & Blackgram), rice-Oilseed (Groundnut & Sesamum) and in irrigated condition rice-pulse/oilseed-vegetables and rice-vegetables-vegetables.

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2016 to 31.3.2017 (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)
Angul	Hatiganj	2015	Athamalik	65 km	550	75
Angul	Banuasahi	2015	Banarpal	25 km	450	55
Angul	Talagada	2016	Angul	25 km	3214	468
Angul	Chakradharpur	2017	Chhendipada	35km	270	60
Angul	Sanjamura	2017	Kishorenagar	15km	300	50

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

KVK Name	THRUST AREA
Angul	To increase production and productivity of Paddy ,oilseeds and pulses through integrated crop management
Angul	To reduce crop loss through integrated pest & disease management
Angul	Varietal substitution in field and vegetable crops
Angul	To increase water use efficiency through micro-irrigation system in vegetables and fruits
Angul	To mechanize oilseed and pulse cultivation through improved implements
Angul	To enhance farmers income through Innovative extension approaches
Angul	To improve productivity from livestock sector
Angul	To develop entrepreneurship through capacity building measures
Angul	To reduce drudgery in farm women
Angul	Soil fertility management

KVK Name	THRUST AREA
Angul	Knowledge and Information Management
Angul	To enhance productivity of fish , egg, milk and meat through scientific approach
Angul	Increase income opportunities for rural youth and farm women
Angul	To Promote horti-silvi -pastoral system

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
Angul	Low yield in field crops due to use of old variety, Non utilisation of soil moisture in rainfed rice-fallow situation for a pulse crop during <i>rabi</i> , severe incidence pest and disease and labour scarcity	PRA Tools, Participatory group discussion among the farmers and extension functionaries	Chakradharpur (Chendipada), Banuasahi (Banarpal), Kantiapasi(Pallahara)
Angul	Yield loss due to the severe infestation of mango hopper	Diagnostic survey	Chakradharpur (Chendipada)
Angul	Manual weeding and hoeing by khurpi involves higher labour, cost, time and drudgery	Participatory group discussion among the farmers and extension functionaries	Sanjorda(Talcher), Hatiganj (Athamalik), Talagada (Angul)
Angul	Low yield, higher cost, labour and time in conventional manual transplanting method	PRA Tools, Diagnostic survey	Chakradharpur (Chendipada)
Angul	Low weight gain in doe during pregnancy leading to weak kid birth, high mortality% among kids after birth, less % of twinning, delayed puberty, kidding interval is high	Participatory group discussion among the farmers and extension functionaries	Hatiganj (Athamalik), Sanjorda(Talcher)
Angul	Less sale price of milk in co-operative society due to less milk fat %, High yielding cows suffering from metabolic diseases like milk fever and ketosis due to negative energy balance after calving	PRA Tools (Transect walk)	Sanjorda (Talcher), Chakradharpur (Chendipada)
Angul	Low price due to unhygienic preparation method, low quality mango leather preparation, long drying process	Group Discussion, SHG Meet	Talagada (Angul), Kantapada (Athamallik)
Angul	Low yield potential of paddy straw mushroom <i>Volvariella volvacea</i> , Non availability of paddy straw, non utilization of sesamum stalk and Ground nut haulm	Group Discussion,PRA	Hatiganj (Athamalik), Sanjorda(Talcher)
Angul	High drudgery due to bending posture in traditional practice	Group Discussion (Activity clock)	Talagada (Angul), Kantiapasi (Pallahara)
Angul	Long gestation period of tree species and non utilization of interspaces	PRA Tools(Livelihood mapping)	Talagada (Angul) , Hatiganj (Athamalick)
Angul	Desi bamboo is having less growth and not suitable for homesteads. Fallow and uncultivable lands are available and use of local variety	Group Discussion	Talagada (Angul) , Hatiganj (Athamalick)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Angul	Low fish production due to lack of awareness of the farmers regarding use of biofertilizers for better growth of carp	Participatory group discussion among the farmers and extension functionaries	Sanjorda(Talcher)
Angul	Less profit due to lack of awareness regarding the culture method of Desi Magur	PRA Tools (Livelihood mapping)	Sanjorda(Talcher), Hatiganj (Athamalick)
Angul	Lower yield and income due to non-adoption of diversified fish species for culture practices	Participatory group discussion among the farmers and extension functionaries	Sanjorda(Talcher), Hatiganj (Athamallik)

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
Angul	2017/Kharif	Low yield in rice due to use of old variety	Assessment	Varietal Evaluation	Rice	Rainfed medium land	1	10	Assessment of medium duration HYV of rice (Hiranmayee)				
Angul	2017-18/Rabi	Low yield due to single cropping of rice	Assessment	Integrated Crop Management	Rice Greengram Blackgram	Rainfed medium land	1	10	Assessment of <i>rabi</i> pulses in rainfed Rice-fallow situation				
Angul	2017/Kharif	Loss in yield due to severe infestation of leaf folder	Assessment	IPM	Paddy	Rainfed medium land	1	10	Assessment of IPM practice for management of Leaf folder in paddy				
Angul	2017-18 Rabi	Yield loss due to the severe infestation of mango hopper	Assessment	IPM	Mango	Rainfed upland	1	10	Assessment of IPM practice for management of mango hopper				
Angul	2017/Kharif	Low yield from desi champa	Assessment	Varietal evaluation	Banana	Rainfed medium land	1	10	Assessment of Performance of high yielding banana var .Amruthpani				
Angul	2017/Kharif	Low yield from local variety	Assessment	Varietal evaluation	Brinjal	Rainfed medium land	1	10	Assessment of wilt tolerant brinjal var- Arka neelachal shyama				
Angul	2017/Kharif	Higher cost, labour and time in manual transplanting method	Assessment	Farm mechanization	Rice	Rainfed medium land	1	5	Assessment of different rice establishment methods in medium land condition				
Angul	2016-17/Rabi	Manual weeding and hoeing by khurpi involves higher labour, cost, time and drudgery	Assessment	Farm mechanization	Brinjal	Irrigated upland	1	7	Assessment of power weeder in brinjal				

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
Angul	2017-18/ Kharif & Rabi	Farmers not getting information timely and regularly	Assessment	ICT	-			50	Assessing the effectiveness of (KMAs) in disseminating technology to paddy growers	-			
Angul	2017-18/ Kharif & Rabi	Lack of visible profitability from onion production	Assessment	Market oriented production system				50	Assessment of existing market led approaches of onion				
Angul	2017, Kharif	Low weight gain in doe during pregnancy leading to weak kid birth, high mortality% among kids after birth, less % of twinning, delayed puberty, kidding interval is more	Assessment	LPM	Goatery	Free ranging	1	5	Assessment on effect of supplementary concentrate feed on performance of does				
Angul	2017-18Rabi	Less sale price of milk in co-operative society due to less milk fat %, High yielding cows suffering from metabolic diseases due to negative energy balance during periparturient period	Assessment	LPM	Dairy	stallfed	1	5	Assessment on effect of bypass fat supplementation to high yielding dairy cow				
Angul	2017/Kharif	Low price due to unhygienic condition, low quality mango leather preparation, long drying process	Assessment	Value addition	Mango	Homestead	1	10	Assessment of Mango leather in Solar Dryer				

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
Angul	2017-18/Rabi	Non availability of paddy straw, non utilization of sesamum stalk and Groundnut haulm	Assessment	Small scale Income Generation	Enterprise	Homestead	1	10	Assessment of production of oyster mushroom (var. <i>P. sajorcaju</i>) using different substrates				
Angul	2017/Kharif	Long gestation period and non-utilization interspaces of trees	Assessment	Agroforestry management	Crop	Rainfed upland/medium land	1	10	Assessment of ginger based Agri-Silvicultural system				
Angul	2017/Kharif	Low profitability of Sundarkani bamboo	Assessment	Agroforestry management	Crop	Rainfed upland	1	10	Assessment of performance of <i>Bambusa nutans</i>				
Angul	2017/Kharif	Less profit due to lack of awareness regarding the culture method of Desi Magur	Assessment	Production & Management	Fish	Pond Based	1	4	Assessment of stocking density of Desi Magur in seasonal ponds				
Angul	2017-18/Rabi	Non adoption of diversified fish species for culture practices	Assessment	Production & Management	Fish	Pond Based	1	3	Assessment of growth of <i>Puntius sarana</i> in composite Carp culture system				

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 (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP(T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2016-17)

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

3.2 Details of FLDs to be implemented during 2017-18

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers					
							Demons	Check		SC	ST	OBC	Others	Total	
Angul	IWM	Maize	Kharif /2017	Demonstration of weed management in <i>kharif</i> maize	1.0	Nirmala									10
Angul	INM	Pigeonpea	Kharif /2017	Demonstration on Integrated nutrient management in pigeonpea	1.0	Local									10
Angul	Varietal Evaluation	Sweetcorn	Rabi/ 2017-18	Demonstration of HYV sweet corn	1.0	Sugar 75									10
Angul	Feed and fodder production	Berseem	Rabi/ 2017-18	Demonstration on cultivation of <i>rabi</i> Fodder (Berseem)	1.0	Bundel Berseem									10
Angul	IPM	Brinjal	Kharif /2017	Demonstration of Bio intensive pest management of shoot & fruit borer in Brinjal	2.0	Blue star									5
Angul	IDM	Onion	Kharif /2017	Demonstration of IDM practice for management of purple blotch in onion	2.0	Agri Found Dark Red									5
Angul	IPM	Cauliflower	Rabi/ 2017-18	Demonstration of IPM practice for management of Spodoptera in cauliflower	2.0	SnowBall									5
Angul	IDM	Okra	Rabi/ 2017-18	Demonstration of IDM practice for management of YMV in okra	2.0	Arka Anamika									5
Angul	Varietal Evaluation	Onion	Kharif/ 2017	Demonstration of kharif onion cv. Bhima Dark red	1.0	Bhima Dark Red									5
Angul	Varietal Evaluation	Marigold	Rabi/ 2017-18	Demonstration of performance of marigold var. Seracole	1.0	Seracole									5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprises	Results (q/ha)		% change	No. of farmers					
							Demons	Check		SC	ST	OBC	Others	Total	
Angul	Farm mechanization	Black gram	Kharif/ 2017	Demonstration of tractor operated rotavator for tillage	1.0	PU-31									5
Angul	Micro-irrigation	Onion	Rabi/ 2017-18	Demonstration of drip irrigation system in onion	0.1	AFLR									1
Angul	Farm mechanization	Black gram	Rabi/ 2017-18	Demonstration of tractor drawn multi-crop planter for sowing of blackgram	1.0	PU-31									5
Angul	LPM	Dairy	Rabi/ 2017-18	Demonstration on probiotic supplementation in cross bred cattle and its effect on milk yield	10 cows	-									5
Angul	LPM	Poultry	Kharif/2017	Demonstration on backyard poultry pallishree	100	Pallishree breed									5
Angul	LPM	Hybrid Napier fodder grass	Kharif /2017	Demonstration on Hybrid Napier cultivation for livestock feed management	0.4 ha	Co4									5
Angul	LPM	poultry	Rabi/ 2017-18	Demonstration on backyard duckery Khakicampbell	100 birds	khakicampbell									5
Angul	Drudgery Reduction	Paddy	Rabi/ 2017-18	Demonstration of manual paddy winnower for drudgery reduction	-	Manual paddy winnower									10
Angul	Small scale Income generation	Mushroom	Kharif/ 2017	Demonstration of yield potential of high yielding strain of <i>V. volvacea</i>	400 Mushroom Beds	OSM-11									10
Angul	Small scale Income generation	Dairy	Kharif/ 2017	Demonstration on Azolla supportive feed for Milch Cow	10 cows	Azolla									10
Angul	Value addition	Stone Apple	Rabi/ 2017-18	Demonstration of preparation of RTS from stone apple	500 Bottles	-									10
Angul	Agroforestry	Turmeric	Kharif 2017	Performance of turmeric in teak based agroforestry system	0.4	Roma									5
Angul	Production management	Bamboo	Kharif 2017	Sundarkani Bamboo (<i>Bambusa vulgaris</i>) Plantation through rooted culm cutting	0.4	<i>Bambusa vulgaris</i>									5
Angul	Production Technology	Sal	Kharif/ Rabi 2017	Demonstration of leaf plate making from sal leaf	0.4	-									10
Angul	Production management	Malabar neem	Kharif/ 2017	Demonstration of <i>Malabar Neem</i> in block plantation	0.4	<i>Melia dubia</i>									5

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprises	Results (q/ha)		% change	No. of farmers					
							Demons	Check		SC	ST	OBC	Others	Total	
Angul	Production and management	Fish	Kharif/ 2017	Ornamental fish rearing	05 units	Molly, Guppy, Platy, Swordtail & Gold fish									5
Angul	Production and management	Fish	Kharif/ 2017	Stunted Yearling culture	0.1 ha	Catla, Rohu and Mrigal									4
Angul	Production and management	Fish	Rabi/ 2017-18	Culture of <i>Pangasius sutchi</i> with IMC	0.2 ha	Rohu, Catla, Mrigal & Pangas									3
Angul	Production and management	Fish	Rabi/ 2017-18	Culture of Monosex Nile Tilapia	200 sq.mt	Nile Tilapia (<i>Oreochromis niloticus</i>)									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

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Angul	Agronomy	Field days	4	160	
		Farmers Training	4	100	
		Media coverage			
		Training for extension functionaries			
Angul	Paddy Winnowing	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Mushroom	Field days	1	50	
		Farmers Training	1	10	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Azolla	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	--	
		Training for extension functionaries	0	--	

Angul	Stone Apple	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Turmeric	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Angul	Bamboo	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Angul	Ornamental fish rearing	Field days	1	50	
		Farmers Training	1	10	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Stunted Yearling culture	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Culture of <i>Pangasius sutchi</i> with IMC	Field days	1	50	
		Farmers Training	0	-	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Culture of Monosex Nile Tilapia	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	1	--	
		Training for extension functionaries	0	--	
Angul	Demonstration on backyard poultry Pallishree	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
Angul	Demonstration on probiotic supplementation in cross bred cattle and its effect on milk yield	Field days	1	50	
		Farmers Training	1	25	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
Angul	Demonstration on hybrid napier cultivation for livestock feed management	Field days	1	50	
		Farmers Training	-	-	
		Media coverage	-	-	
		Training for extension functionaries	-	-	
Angul	Demonstration on backyard duckery khakicampbell	Field days	1		

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.

4. Feedback System

4.1. Feedback of the Farmers to KVK

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

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
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
Angul	Farmers and Farm women	Benchmark survey, PRA Study, problem identification and prioritisation, root cause analysis and SWOT analysis, gap analysis , Feedback of Ex-trainee meet	Talagada, Hatiganja, Banuasahi, Chakradharpur, Sanjorda, Sanjamura (April-June)	158
Angul	Rural youth	RE Interface Meet ,Group discussion with rural youth clubs and S.H.G. members and analysing secondary data from line departments like women and CD department, horticulture, soil conservation, bank officials, NGOs etc.	Federation monthly meeting, On campus (July, August, September, December, 3 rd Tuesday of every month)	250
Angul	In-service personnel	Interview method and analysis of performance by pilot survey, Stakeholders meet, RE Interface Meet	All line departments (March, ,January)	60

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	17
Angul	FW	OFC	CP	Crop diversification in rainfed upland under rice based cropping system	1	1	25								
Angul	FW	OFC	CP	Major weed management practices in rainfed upland rice	1	1	25								
Angul	FW	OFC	CP	Contingent crop planning for different types of drought situation	1	1	25								
Angul	FW	OFC	CP	Improved Agronomic practices for major fodder crops	1	1	25								
Angul	FW	OFC	CP	Integrated nutrient management in major pulses	1	1	25								
Angul	FW	OFC	CP	Improved method of cultivation of <i>rabi</i> pulses in rice-fallow situation	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	17
Angul	FW	OFC	CP	Improved planting methods for increasing yield and economics of sugarcane cultivation	1	1	25								
Angul	FW	OFC	CP	Integrated weed management in maize	1	1	25								
Angul	FW	OFC	CP	Water management in major oilseeds	1	1	25								
Angul	FW	OFC	CP	Cultivation of sweet corn for income generation	1	1	25								
Angul	RY	OFC	CP	Bio fertilisers and their use in agriculture for better soil health and enhancing crop productivity	1	2	15								
Angul	RY	OFC	CP	Crop based Integrated farming system for enhancing farm productivity and livelihood security	1	2	15								
Angul	IS	ONC	CP	Resource conservation technologies for sustainable crop production in rice based cropping system	1	2	15								
Angul	IS	ONC	CP	Agro-adaptations to climate change for improved rice production	1	2	15								
Angul	FW	OFC	PLP	Integrated pest management in kharif paddy	1	1	25								
Angul	FW	OFC	PLP	Seed treatment for insect pest & disease management	1	1	25								
Angul	FW	OFC	PLP	Management of pod borer in pigeon pea	1	1	25								
Angul	FW	OFC	PLP	Disease management in potato	1	1	25								
Angul	FW	OFC	PLP	Management of insect pests of Mango	1	1	25								
Angul	FW	OFC	PLP	Integrated pest and disease management in solanaceous vegetables	1	1	25								
Angul	FW	OFC	PLP	Disease management in banana	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	17
Angul	FW	OFC	PLP	Integrated pest management in cole crops	1	1	25								
Angul	FW	OFC	PLP	Management of insect pests of Onion.	1	1	25								
Angul	FW	OFC	PLP	Management of insect pest of mustard	1	1	25								
Angul	FW	OFC	PLP	Use of neem and neem based pesticides.	1	1	25								
Angul	RY	ONC	PLP	Use of bio agents in IPM practice	1	2	15								
Angul	RY	ONC	PLP	Integrated pest & Disease management in groundnut	1	2	15								
Angul	IS	ONC	PLP	Integrated pest management practices in different field crops	1	2	15								
Angul	IS	ONC	PLP	Integrated disease management for different vegetables	1	2	15								
Angul	FW	OFC	HOV	Production technology of Kharif Onion	1	1	25								
Angul	FW	OFC	HOM	Improved package of practices in aromatic plants	1	1	25								
Angul	FW	OFC	HOV	Nursery raising technique under low cost poly house.	1	1	25								
Angul	FW	OFC	HOF	Improved package of practices in Banana cultivation	1	1	25								
Angul	FW	OFC	HOO	Propagation techniques of Ornamental Plants	1	1	25								
Angul	RY	ONC	HOF	Propagation technology of fruit plant and nursery management	1	2	15								
Angul	IS	ONC	HOV	Post-harvest technology and value addition of vegetable crops	1	2	15								
Angul	FW	OFC	AEG	Use of tractor operated rotavator for secondary tillage	1	1	25								
Angul	FW	OFC	AEG	Use of self propelled 4 row walk behind type rice transplanter	1	1	25								
Angul	FW	OFC	AEG	Use of tractor operated axial flow thresher for paddy	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	17
Angul	FW	OFC	AEG	Use of tractor operated multi-crop seed-cum-fertilizer drill for line sowing of oilseed and pulse crops	1	1	25								
Angul	FW	OFC	AEG	Use of power weeder in vegetable crops.	1	1	25								
Angul	FW	OFC	AEG	Micro-irrigation system for fruit and vegetable crops	1	1	25								
Angul	FW	OFC	AEG	Use of Tractor operator ridger for ploughing of sweet potato	1	1	25								
Angul	FW	OFC	AEG	Use of Dal mill for pulse processing	1	1	25								
Angul	RY	OFC	AEG	Raising of nursery for self propelled rice transplanter	1	2	15								
Angul	RY	OFC	AEG	Calibration, operation and maintenance of tractor operated seed cum fertilizer drill	1	2	15								
Angul	IS	ONC	AEG	Use of micro irrigation system for horticultural crops.	1	1	15								
Angul	IS	ONC	AEG	Mechanization in rice.	1	1	15								
Angul	F/FW	OFC	CBD	Enhancing crop diversity leads to resilience	1	1	25								
Angul	F/FW	OFC	CBD	Improving value chain for strengthening market	1	1	25								
Angul	F/FW	OFC	CBD	Adoption of technology for sustainable agriculture	1	1	25								
Angul	RY	ONC	CBD	ICT an agriculture extension delivery	1	2	15								
Angul	RY	ONC	CBD	Contract farming – a refined marketing alternative	1	2	15								
Angul	IS	ONC	CBD	Improving crop productivity & resource use efficiency to ensure food security	1	1	15								
Angul	IS	ONC	CBD	Value chain management For agribusiness management	1	1	15								
Angul	IS	ONC	CBD	Market intelligence-Web based advisory services	1	1	15								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16	17
Angul	F/FW	OFC	LPM	Feeding of processed crop residues for better utilization by dairy animal	1	1	25								
Angul	F/FW	OFC	LPM	Feeding and health management in goats	1	1	25								
Angul	F/FW	OFC	LPM	Backyard poultry farming : A subsidiary business	1	1	25								
Angul	F/FW	OFC	LPM	Care and management of livestock during summer	1	1	25								
Angul	F/FW	OFC	LPM	Diversified poultry farming	1	1	25								
Angul	F/FW	OFC	LPM	Important diseases of cattle and its prevention	1	1	25								
Angul	F/FW	OFC	LPM	Winter stress management of poultry birds	1	1	25								
Angul	F/FW	OFC	LPM	Balanced feeding in dairy cattle	1	1	25								
Angul	F/FW	OFC	LPM	Important diseases of poultry and their prevention	1	1	25								
Angul	F/FW	OFC	LPM	Summer stress management of poultry birds	1	1	25								
Angul	RY	ONC	LPM	New trends of feeding in dairy animals	1	2	15								
Angul	IS	ONC	LPM	Biosecurity measures for better poultry production	1	1	15								
Angul	IS	ONC	LPM	Management of metabolic disorders in dairy cattle	1	1	15								
Angul	FW	OFC	WOE	Nutritional garden layout and crop rotation for round the year	1	1	25								
Angul	FW	OFC	WOE	Mango leather preparation in solar dryer	1	1	25								
Angul	FW	OFC	WOE	Tomato sauce preparation for income generation	1	1	25								
Angul	FW	OFC	WOE	RTS preparation from stone apple	1	1	25								
Angul	FW	OFC	WOE	Use of Paddy winnow for drudgery reduction	1	1	25								
Angul	FW	OFC	WOE	Azolla cultivation for milch cow	1	1	25								
Angul	FW	OFC	WOE	Use of okra plucker for drudgery reduction	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	17
Angul	FW	OFC	WOE	Paddy straw Mushroom Cultivation	1	1	25								
Angul	FW	OFC	WOE	Storage loss minimization techniques	1	1	25								
Angul	FW	OFC	WOE	Drying of oyster mushroom for income generation	1	1	25								
Angul	RY	ONC	WOE	Oyster mushroom cultivation using different substrate	1	2	15								
Angul	RY	ONC	WOE	Spawn Production Technology	1	2	15								
Angul	IS	ONC	WOE	Women friendly drudgery reducing implements	1	1	15								
Angul	IS	ONC	WOE	Preparation of supplementary diet for pregnant mother and children	1	1	15								
Angul	FW	OFC	AGF	Propagation techniques of bamboo, teak and sal species	1	1	25								
Angul	FW	OFC	AGF	Preparation and Management of Horti-silvi Agroforestry model	1	1	25								
Angul	FW	OFC	AGF	Intercultural practices in Agri-silvi agroforestry model	1	1	25								
Angul	FW	OFC	AGF	Agroforestry practices for soil Conservation	1	1	25								
Angul	FW	OFC	AGF	Growing nitrogen fixing trees for energy plantation	1	1	25								
Angul	FW	OFC	AGF	Pruning and girdling techniques of forest trees	1	1	25								
Angul	FW	OFC	AGF	Plantation of forest tree for industry and their management	1	1	25								
Angul	FW	OFC	AGF	Management of Value addition of sal leaves	1	1	25								
Angul	FW	OFC	AGF	Propagation and management of bamboo clumps	1	1	25								
Angul	FW	OFC	AGF	Collection and processing of NTFPs	1	1	25								
Angul	RY	ONC	AGF	Forest nursery Preparation for production of quality planting material	1	2	15								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16	17
Angul	IS	ONC	AGF	Role of Agro forestry models in forest plantation	1	2	15								
Angul	FW	OFC	FIS	Fish pond preparation and its management	1	1	25								
Angul	FW	OFC	FIS	Monoculture for fresh water prawn	1	1	25								
Angul	FW	OFC	FIS	Multiple breeding techniques of common carp	1	1	25								
Angul	FW	OFC	FIS	Rearing methods of Carp Fry and Fingerlings	1	1	25								
Angul	FW	OFC	FIS	Enhancement of water productivity by suitable management practices	1	1	25								
Angul	FW	OFC	FIS	Enhancement of pond productivity through stocking of stunted yearlings	1	1	25								
Angul	FW	OFC	FIS	Maintenance of stocking density in composite Pisciculture	1	1	25								
Angul	FW	OFC	FIS	Fish Disease diagnosis and management	1	1	25								
Angul	FW	OFC	FIS	Medium carp culture in composite system	1	1	25								
Angul	FW	OFC	FIS	Desi Magur culture	1	1	25								
Angul	RY	ONC	FIS	Culture Techniques of <i>Pangasius sutchi</i> with IMC	1	2	15								
Angul	IS	ONC	FIS	Cage and Pen culture technique	1	1	15								
Angul	IS	ONC	FIS	Mono sex culture method of Nile Tilapia	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
Angul	Seed production in Pigeon pea	Pigeon pea	Seed Production	5						
Angul	Rearing of Honey bee	Enterprise	Income generation	4						
Angul	Entrepreneurship development through Self Help Group	Enterprise	Income generation	5						
Angul	Motor winding	Enterprise	Self employment	10						
Angul	Repair of diesel pump sets	Enterprise	Self employment	10						
Angul	Goat farming	Goatery	Income generation	5						
Angul	Identification of different bamboo species, their propagation techniques and economics	Bamboo	Crop management	5						
Angul	Low cost fish feed preparation methods and its use	Fish	Income generation	5						

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	
Angul	Ornamental Fish Farming for Entrepreneurship development	Ornamental Fish units	22	22	-
Angul	Mushroom production	Mushroom units	112	325	-
	Goat farming	Goatery unit	35	35	-
	Backyard poultry	Poultry unit	75	75	-

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		
Angul	-	AEG	-	FW	16	16	250	150					ATMA(PMKSy)	4,00,000

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

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

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

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

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F			
Angul	Field Day	12		275	80	30	20	10	5	Wider adoption	As per FLDs implemented	Pre-Harvest, Critical stage
Angul	Kisan Mela	02		500	450	100	50	30	10	Wider adoption		
Angul	Kisan Ghosthi	03		75	10		05			Group approach		
Angul	Exhibition	05		200	100					Awareness		
Angul	Film Show	10		200	200	20				Awareness		
Angul	Method Demonstrations	10		140	50	10	10	10	-	Adoption of new technology		
Angul	Farmers Seminar	02		25	-	-	-	05	-			
Angul	Workshop	05		-								
Angul	Group meetings	18		75	15			05	-	Interaction		
Angul	Lectures delivered as resource persons	22		-	-	-	-	--			As per demand	
Angul	Newspaper coverage	18								Popularization		
Angul	Radio talks	8								Popularization		

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	Topics	Crop Stages
				M	F	M	F	M	F			
Angul	TV talks	06								Awareness		
Angul	Popular Articles	12								Popularization		
Angul	Extension Literature	08								Popularization		
Angul	Farm Advisory Services	60		420	45	10	4	5	1	Related to mandate		
Angul	Scientific visit to farmers field	100		500	340	30	20	15	5	Diagnostic visit		
Angul	Farmers Visit to KVK	1		350	150	22	10	12	2	Training, awareness, input collection		
Angul	Diagnostic Visits	45		180	40	12	8	--	-			
Angul	Exposure Visits	02		20	10							
Angul	Ex-trainees Sammelan	04		75	25							
Angul	Soil Health Camp	01		15	10							
Angul	Animal Health Camp	01		30	20					Awareness		
Angul	Agri Mobile Clinic	01		10	10	5	5	3	2	Awareness		
Angul	Soil Test Campaigns	01		10	10	5	5	3	2	Awareness		
Angul	Farm Science Club conveners meet	12		430	55	15	5	20	06			
Angul	Self Help Group conveners meetings	04		200						Awareness		
Angul	Celebration of important days	06		10	86	-	10	-	04	Economic viability		

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
Angul	Cereals	Paddy	MTU-1001	SD				
	Pulses							
	Fruits							

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	
Angul	Vegetable	Tomato	20.05.2017			Laxmi, Bhagya	PM	5000			
Angul	Vegetable	Brinjal	20.05.2017			Tarini, Utkal Green, BB-45	PM	10000			
Angul	Vegetable	Chilly	20.05.2017			Daiya,Utkal ragini, Krishna	PM	10000			
Angul	Vegetable	Cabbage	10.07.2017			NHCB 731	PM	5000			
Angul	Vegetable	Cauliflower	10.07.2017			Snow ball, Dawn, Marble	PM	5000			
Angul	Vegetable	Onion	04.08.2107			Bhima Dark red	PM	250000			
Angul	Vegetable	Papaya	02.07.2017			Red Lady	PM	1500			
Angul	Flower	Marigold	20.05.2017			Seracole	PM	10000			

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	
Angul	BIOAGENTS				
Angul	BIOFERTILIZERS	16.0			
Angul	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	
Angul	Sheep and Goat	Black Begal	Meat	10			
Angul	Poultry	Banaraja, Aseel, Blackrock	Meat, Chick	800Nos.			
Angul	Mushroom	<i>V.volviceae, OSM-11, P.sajocaju, Hypsizygous ulmarius,</i>	Fresh Mushroom	3.0			
Angul	Mushroom Spawn	<i>V.volviceae, OSM-11, P.sajocaju, Hypsizygous ulmarius,</i>	Spawn	4000			
Angul	Azolla	<i>Azolla caroliniana</i>	Azolla	40kg			
Angul	Honey bee	<i>Apis cerena indica</i>	Honey	15kg			
Angul	Fisheries	Molly, Guppy, Platy, Swordtail & Gold fish	Fingerling	2500 no.			
Angul	Fisheries	Desi Magur	Fingerling	1500 no.			
Angul	Fisheries	Pangas	Advanced fingerlings	2000 no.			
Angul	Fisheries	Advanced IMC fingerlings	Advanced fingerlings	2000 no.			
Angul	Fisheries	Tilapia fingerlings	Advanced Fingerlings	2000 no.			

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then
 Year of establishment : 2007

8.1 Details of soil & water samples to be analyzed :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Angul	Soil Sample	300	1100	25		
Angul	Water Samp					

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

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Angul	90	12800	58	Crop management, Pest management, Awareness, Marketing, livestock, enterprise related practices

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Angul	Tentatively in September and December 2017	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
Angul	2007	Quarterly	2000	2000

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Angul	CD	Farm Mechanization, Enterprise	2

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	07				-
Technical bulletins	05				50 each
Technical reports	05				3 copies each
Popular article	12				Mass
News paper coverage	10				Mass
Year Planner	01				50
Others (pl. specify)	01				25

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
Angul	ATMA	PMKSY(Central)	4,00,000			
	MNREGA					
Angul	NHM					
Angul	RKVY					
Angul	DRDA					
Angul	Zila Panchyat					
Angul	Seed Village					
Angul	NAIP					
Angul	Climate Change					
Angul	Others (PMKSY, IRRI, RAD)					

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): 25

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)

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
Angul	2010	2010-12	02	01	

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.)

b) Details about Technology Park

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

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Field and vegetable crops	6 nos
2	Mango Progeny orchard	2.0 ha
3	Guava orchard(VNR Bihi)	0.2 ha
4	Pomegranate	0.1ha
5	Tissue culture banana(G9)	0.04ha
6	Mosambi, Ber, Custard Apple	0.8 ha

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	Angul	Bijay Kumar Bir	Honey extractor	Bantala, P.O-Bantala Mob-9438587210
2	Angul	Khirod Swain	Manual sprayer	Mahidharpur, Banarpal, 9853513385
3	Angul	Srinibas Behera	Organic cultivation of cucumber & Bittergourd	Golabandha, Banarpal, 7894599421
4	Angul	Ranjan Behera	Cauliflower throughout the year	Baragaunia, Angul, 8260797342
5	Angul	Duryodhan Sahoo	Control white fly in vegetable crops	Baragaunia, Angul, 9556191818
6	Angul	Abhaya Kumar Sahoo	Development of tool for spreading of paddy for drying	Barasingha, Angul, 8456842765
7	Angul	Lambodara Behera	Manual weeder	Dinabandhupur, Angul, 9438326831

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	18 th of every month	30 above

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Angul	6	8	24	157

Intensive- OFTs, FLDs etc

Extensive- Literature, Publication, Flagship programmes, Collaborative programmes and 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	Dhenkanal	Input procurement for Demonstrations	
2	Deogarh	Seed & planting materials	
3	Boudh		
4	Bargarh		
5	Sambalpur		

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	Angul	02.05.2011	76	36877

24. Status of RTI

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

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			

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Angul	Gosthies	1	50	Mushroom
Angul	Lectures organized	1	25	ICT in Agriculture
Angul	Exhibition	-	-	-
Angul	Film show	4	100	Aquaculture and Crop improvement
Angul	Fair	1	100	Display of frontier technologies
Angul	Farm Visit	1	100	Agri-implements
Angul	Diagnostic Practicals			
Angul	Distribution of Literature (No.)	1	100	KVK publications

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Angul	Distribution of Seed (q)	-	-	
Angul	Distribution of Planting materials (No.)	1	1000	Farm produce
Angul	Bio Product distribution (Kg)			
Angul	Bio Fertilizers (q)			
Angul	Distribution of fingerlings (No)			
Angul	Distribution of Livestock specimen (No.)			
Angul	Total number of farmers visited the technology week			

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Angul	Oilseeds	30	75
2	Angul	Pulses	50	120
3	Angul	Cereals	60	160
4	Angul	Vegetable crops	12	120
5	Angul	Tuber crops	-	-
6	Angul	Fruits	2	10
7	Angul	Spices	2	10
		Cotton	-	-
		Total	156	495

Farmers-scientists interaction on livestock management

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

Animal health camps to be organized

Name of KVK	Number of camps	No. of animals	No. of farmers
Angul	1	200	40

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings to be distributed

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

Bio-control Agents

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

Bio-Fertilizer

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

Verms Produced

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

Large scale adoption of resource conservation technologies

Name of KVK	Crops/ cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers

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

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.)
Angul	30160005025	Nil		

31. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received

32. Case study / Success Story to be developed –

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

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)

Supplementary Formats of Action Plan 2017-18

I. Agro-ecological situations (AES)

Agro-ecological situations	Blocks covered	Major crops and commodities	Strength	Weakness and Challenges	Opportunity
Medium textured Red loam with low rainfall	Chhendipada	Rice, sesamum, vegetables, mango	Soil suitable for growing field crops like rice maize, oil seeds, pulses, sugarcane etc.	<ul style="list-style-type: none"> • Shortage of agricultural labours Old and senile orchard • Frequent occurrence of natural calamities like drought flood etc. 	Crop diversification and mixed farming
Red loam with medium rainfall	Angul, Athamalik	Rice, greengram, ground nut, arhar, vegetables	Fertile red loam slightly acidic soil suitable for growing field crops like rice, oilseeds, pulses, sugarcane etc.	<ul style="list-style-type: none"> • Absence of milk cooperative society leading to distress sale of milk • Breaking out of epidemics leading to huge mortality 	Scope for more number of skill oriented training programmes
Black soil with low rainfall	Banarpal, Kaniha	Rice, blackgram, vegetables	Conducive climatic for round the year production of different vegetables and fruit crops with good market	<ul style="list-style-type: none"> • Non availability of agri-inputs (seed, fertilizer) in time. • Problem in bank finance • Scarcity of agril. labourers • Erratic rainfall resulting drought • Wild life depredation 	Area expansion under fruit crops is possible Irrigation potential can be enhanced
Black soil with medium rainfall	Banarpal, Kaniha, Pallalahra	Rice, greengram, ground nut	Scope for composite pisciculture	<ul style="list-style-type: none"> • Crop insurance yet to reach to majority of the farmers 	Desi cow can be upgraded through artificial insemination

				<ul style="list-style-type: none"> • Pollution due to industries and mines leads to crop loss • Low yield due to pollution of water by industries and mines 	
River valley alluvial with medium rainfall	Athhamalik, Kishorenagar, Talcher	Rice,greengram, cashew, vegetables,mango	Adequate availability of manpower/labour.	<ul style="list-style-type: none"> • Unavailability of agriculture processing unit and storage godown • Frequent incidence of insect pest leading to crop loss. 	Scope for Integrated farming system Scope for agriprenurship development

II: Intervention Framework

Sl.No.	Major Crops & Enterprise	Major Farming situation of the crop/enterprise	Prioritized problems	Area(ha/No.) affected by the problem	Names of cluster/villages identified for intervention	Proposed Intervention (OFT,FLD, Extension activity, QPM, etc)
1.	Rice (89,000 ha)	Rainfed Upland (10,000 ha) 85% of upland rice area, Intensity of loss-30% of grain yield Rice –fallow situation	Low yield due to use of old variety(Khandagiri) Severe weed incidence Broadcasting method of sowing Sole monocropping and non	85% of upland rice area, Intensity of loss-30% of grain yield Economic loss-Rs 11760/ha 70 % of upland & medium land rice area, economic loss-Rs20,900 ha	Talagarh/Sanjamara Talgarh/Chakradharpur	Training programme on rice production technology Training on Weed management in direct seeded upland rice Capacity building of members of ASCs Publication on Rice production technology-Extension approaches OFT Rabi pulses(green gram &

			utilization of soil moisture during rabi in fallow situation			black gram) in rainfed Training on pulse production in rice-fallow situation
		Rainfed Medium land (47098 ha)	Low yield due to old variety(Naveen, Lalat) Weed infestation Leaf folder attack Higher cost,labour and time in conventional manual transplanting	75% of medium land area Intensity of loss- 25% of grain yield	Banuasahi / Kantiapasi	OFT – Medium duration HYV of rice (Hiranmayee) OFT - IPM Practice for management of leaf folder OFT - Different rice establishment method KMA services Seedling production under RF
		Irrigated medium land 6640 ha	Incidence of blast disease Weed problem in transplanted rice Labour scarcity Severe drudgery among farm women	90% FW involve in transplanting	Ckakraharapur/Sanjamara	Training on RCTs for sustainable crop production in rice based cropping system Training on INM,IWM,IPM practices in Paddy OFT : Use of Three row paddy transplanter for drudgery reduction
2.	Maize (3400 ha)	Irrigated medium land	Low yield due to severe weed infestation	1500 ha Intensity of loss- 20%	Banuasahi/Sanjamara	FLD - weed management in kharif maize Capacity building of farmers (ISOPOM Maize) Training on crop intensification through promotion of maize-stylo intercropping

3.	Groundnut (8730 ha)	Rainfed Upland Irrigated Medium land	Sowing behind the plough is labour intensive Severe weed problem in Kharif groundnut Lack of knowledge on value addition Rootrot in groundnut Manual hill dropping behind the plough is labour intensive	3244 ha	Chakradharpur, Tukuda	CFLD programme(Improved var.Kadri-6, STBR) Convergence with line dept. Technical advisory on minikit trials Training programme on weed & soil health management OFT on IDM practices for root rot management OFT on Bullock drawn 5 row multicrop seed cum fertilizer drill KMA services
	Sesamum (10,000 ha)	Rainfed upland	Low yield due to old variety(Prachee) Low yield due to improper nutrient management Improper plant population due to broadcasting	4465 ha	Tukuda/Chakradharpur	CFLD programme(Training,F ield day) Convergence with Service Cooperative Society OFT – Tractor operated multicrop seed cum fertilizer drill
		Irrigated medium land	Low yield due to use of local variety (maghi rasi) Severe incidence of red hairy caterpillar	2100 ha	Jaripal/Macchkuta	CFLD Programme(Improved Component demonstration) Publication on sesamum cultivation
4.	Black gram (25800 ha)	Rainfed upland	Low yield due to old variety	12420 ha Spread of the	Talagarh/Chakradharpur	CFLD programme(Improved

		Irrigated mediumland	(local) Low yield due to improper nutrient management Low yield due to improper plant population in case of manual broadcasting of seeds	problem-65% Intensity of loss-50% of grain yield Economic loss-Rs 10,000 ha		Component demonstration)n OFT on INM in blackgram Integrated nutrient management in major pulses Technology week celebration on IPM practices Promotion of use of seed cum fertilizer drill
6.	Brinjal (4471 ha)	Medium land Irrigated upland	Wilting incidence Fruit and shoot borer infestation Manual weeding and hoeing is labour intensive	65% of the area Cost of weeding/hoeing-Rs 20,000 ha	Banuasahi/Sanjamara/ Majhika	FLD (wilt tolerant variety Arka Neelachal shyama) OFT (use of Power weeder) Supply of QPM on brinjal(Arka Neelachal Shyama,Utkal Green)
7.	Onion (2690 ha)	Rainfed medium land Medium land	Low yield due to use of old variety(AFDR) More cost, labour and time in flood irrigation clubbed with low yield Yield loss in onion due to infestation of purple blotch Distress Sale	1000 ha	Chakradharpur/Kantiapasi	FLD on Kharif onion (Bhima Super) Promotion of drip irrigation in onion through NHM Training on improved onion cultivation Collaborative approach with World Vegetable Centre FLD on IDM for purple blotch management OFT on market led approaches in onion, credit linkage for low

						cost storage house QPM supply,
8.	Mango (9394 ha)	Rainfed upland	Severe mango hopper incidence Improper manipulation of tree canopy which affects prod.of quality fruits Distress Sale Lack of value addition/Unhygi enic preparation product	6050 ha	Talgarh / Ragudiapada	OFT mango hopper management Canopy management in convergence with DDH Mango Hub at Angul by farmers federation Mango leather preparation with solar dryer and large scale due to supply of solar dryer through NGO FES
9.	Poultry (24878 dual type bird	Homestead	Poor weight gain performance in local breed Higher mortality	90% backyard poultry lack broodiness & 20 % mortality in backyard condition	Hatiganj/Badataila	FLD- Pallishree breed Supply of chicks KMA services
10.	Goats 2.27 lakh nos.	Homestead Complete grazing browsing situation	Poor weight gain, higher mortality, Less twining, delayed puberty in female High parasitic load Unawareness about PPR vaccination	Occurrence of average 10 % kid mortality,30% weak kid birth,2 nos.of kids/year	Hatiganj/Badataila	OFT- supplementary concentrate feeding of 200gm per doe per day one month prior to kidding and continued for 1 month Health Camp in each blocks in convergence with AH dept.,NMPS OFT on Ivermectin and closantel on ecto and endoparasite
	Dairy 60924 CB cows	Homestead	Non-availability of green fodder and excess cost of commercial feed	40 % affected	Banuasahi/Bhogobereni	Extension activity (Exposure visit)- Azolla cultivation, Hybrid napier

			High concentrate feeding in high yielding cattle decreases digestibility due to unstable ruminal pH Less milk fat			FLD on azolla supportive feed for milch cow Awareness/convergence: FLD on probiotic supplementation in CB cattle, fodder minikit prog., DEDS OFT : Bypass fat feed supplementation
11.	Pisciculture (tanks available for culture-3709 ha)	Homestead	Traditional method of stocking fingerlings Traditional method of IMC culture without using biofertilizer Conventional method of IMC culture without using Pangas and any floating feed No diversified fish species for culture practices	209 ha water area	Chakradharpur/Durgapur/Sanjoroda	FLD - multiple stocking and multiple harvesting method for stunted yearlings FLD on culture of <i>Pangasius sutchi</i> with IMC OFT on FCR of slow sinking feed for <i>Puntius sarana</i> in composite carp culture OFT -stocking density of desi magur in seasonal pond Capacity building of fisherman cooperative society. FFDA (inland pisciculture)

Training Programmes

Crop/ Commodity	Thematic Training Areas	Link Activities (OFT / FLD/ Other Extension Activities / Flagship programmes if any)	No of Courses	No of participants
Paddy/Cereal (Maize, Sweet corn)	Resource conservation technology ICM, IPM	OFT, FLD, Field day, IRRI Trials (H2H), Soil Health Management	11	265

Pulse (Black gram,Arhar)	ICM,IPDM	FLD,CFLD, Field day, OFT on Black gram genotype KUG 725, Soil Health Management	4	100
Oilseed (Groundnut,Mustard)	ICM,IPDM	FLD,CFLD, Soil Health Management	4	80
Vegetable/Fruits (Brinjal, Onion, Potato, Mango, Banana etc)	ICM,IPDM, Bioagent Production, Income Generation, drudgery reduction, Nutritional security, Value addition	OFT, FLD, Method demonstrations, Field Days, Technology Week, Farmers Scientist Interaction	45	955
Mushroom	Income Generation	OFT, FLD, Method Demonstration Entrepreneurs Meet	4	90
Livestock	Feed Management Disease Management	OFT,FLD, Field Days	16	335
Enterprise (Farm machinery)	Use of Farm Implements Small Scale Processing Micro Irrigation system	OFT, FLD	12	270
-	Market oriented Production System Group Dynamics ICT	OFT, Ex-trainee meet, Technology Week, Group Meetings, Exposure Visit	8	150
Others	Cropping system, IFS, Bio-pesticides in production, Aromatic plants Production & Management	FLD, Exhibition,	12	225

Flagship Programmes

SL.No.	Programmes	Activities	Linked Agency
1.	CFLD	Kharif: Pulse: Pigeon Pea (10 ha);Black gram(20 ha) Oilseed : Groundnut (30 ha); Sesamum (20 ha) Rabi: Oilseed : Groundnut (30 ha);Sunflower(10 ha) Pulse : Green gram(20 ha)	OSSC, Dept.of Agriculture, CA

2.	IRRI Trials(H2H)	Demonstration of drought resistance HYV Rice in farmers field var. DRR 42,DRR 44,DRR 46 Area-8.8 ha, Season- Kharif Seeds provided-4.4 q	OUAT ,IRRI, NGO
3.	Soil Health Management	Soil sampling and SHCs distribution	State Agriculture department
4.	Extension Reforms	Capacity building of farmers for efficient use of water	Watershed Mission, ATMA
5.	OFT on Black gram genotype KUG 725	OFT on Black gram genotype KUG 725 in instructional farm , T1-(FP) Khunti Biri,T2-Prasad,T3- KUG 725, Area-0.012ha, Season- Kharif Seed provided-200 g	CPR, Berhampur

Capacity Building of KVK Personnel

Sl. No	Name of the Scientist & Designation	Areas of Training Required	Institution proposed to attend if identified	Justification
1.	Dr. B.Satpathy, SS & Head	Agriculture innovations Systems-monitoring and evaluation of Development programmes	ICSSR, New Delhi	To enrich my Information Support System
2.	Dr. B.Mohanty,Scientist(Ag.Engg.)	Farm Mechanisation	CIAE, Bhopal	Practical Experiences
3.	Dr.S. Acharya,Scientist(H.Sc.)	Mushroom spawn production and Training, Value addition Nutrition Management	DMR, Solan CFTRI, Mysore	For enriching my skill for entrepreneurship development
4.	Sri T.K. Samant,Scientist(Agronomy)	Dry land agriculture and Resource Conservation Techniques	CRIDA ,Hyderabad	Essential to have an understanding
5.	Sri Gyanranjan Sahoo,Scientist(Forestry)	Tree Improvement	TNAU, Coimbatore IGFRI Jhansi	Ignorant about Tissue culture techniques
6.	Miss. Ipsita Mishra,Scientist(PP.)	Rearing of Honey Bee	OUAT, Dept. of Entomology	For skill Development
7.	Dr. Monalisa Behera,Scientist(Animal Sc.)	Extension Management Techniques for Veterinarians	NAARM, Hyderabad	For justifying my responsibilities
8.	Mrs. R. P. Misra,PA(Fishery)	Fish Seed Production and operation of FRP carp hatchery	CIFA, Bhubaneswar	For practical exposure and then dissemination

Cross-learning across KVKs

S.No.	Name of the KVKs included in the cluster	What do you intend to share with Cluster KVKs	What do you expect from Cluster KVKs
1.	KVKs : Dhenkanal, Deogarh, Boudh, Bargarh, Sonapur, Sambalpur	Knowledge sharing, input procurement especially mushroom spawn, tools like groundnut stripper, participation of each KVK with the other in special programmes	Exposure visit, medicinal and aromatic plants, Successful agri-enterprise visit and visual documentary.

ACTION PLAN FOR SOIL SAMPLING AND SOIL HEALTH CARD PREPARATION & DISTRIBUTION

To be collected on		To be Collected from village	No of samples to be collected	Grid wise (GPS) soil samples to be collected	No of samples to be tested	To be tested by		No of Soil Health cards to be prepared	No of Soil Health cards to be distributed	No. of Soil Health Card to be uploaded on portal	Programmes to be linked with (OFT/FLD/CFLD)	Remarks
Month	Week					Mini Soil Testing Kit	Soil Lab					
June'2017	1 st	0	0	0	0	0	0	0	0	0	0	
	2 nd	Talagarh	10	10	10	10	0	48	48	48	IRRI Trial	
	3 rd	Takarsingha	5	5	5	5	0	52	52	52	RAD	
	4 th	Baluakata	5	5	5	5	0	55	55	55	RAD	
July'2017	1 st	Banuasahi, Chakradharpur, Sanjoroda Talagarh	40	-	40	40	0	40	40	40	OFT	4 nos
	2 nd	Banuasahi, Chakradharpur, Talagarh	30	-	30	0	30	30	30	30	FLD	6 nos
	3 rd	Talagarh, Hatiganja, Banuasahi	15	-	15	15	0	15	15	15	OFT	3 nos
	4 th	Hatiganja, Chakradharapur Sanjoroda	20	-	20	0	20	20	20	20	FLD	4 nos
Aug'2017	1 st	Jamunali	2	2	2	2	0	50	50	50	CFLD	

	2 nd	Tukuda	3	3	3	3	0	75	75	75	CFLD	
	3 rd	Handiguda	1	1	1	1	0	25	25	25	CFLD	
	4 th	Dhaurakhaman	2	2	2	2	0	50	50	50	CFLD	
Sept'2017	1 st	0	0	0	0	0	0	0	0	0	0	
	2 nd	Jharabereni	5	5	5	5	0	20	20	20	KMA	
	3 rd	0	0	0	0	0	0	0	0	0	0	
	4 th	Shymsundarpur	4	4	4	4	0	25	25	25	KMA	
Oct'2017	1 st	Hatiganja, Chakradharpur, Banuasahi	20	-	20	0	20	20	20	20	FLD	4 nos
	2 nd	Talagarh, Hatiganja Ragudiapada	10	-	10	0	10	10	10	10	FLD	3 nos
	3 rd	Hatiganja Banuasahi	20	-	20	20	0	20	20	20	OFT	2 nos
	4 th	Chakradharpur, Talagarh	17	-	17	17	0	17	17	17	OFT	2 nos
Nov'2017	1 st	Tukuda	12	12	12	12	0	75	75	75	CFLD	
	2 nd	Nuagaon	12	12	12	12	0	75	75	75	CFLD	
	3 rd	Mahidarapada	4	4	4	4	0	17	17	17	KMA	
	4 th	0	0	0	0	0	0	0	0	0	0	
Dec'2017	1 st	0	0	0	0	0	0	0	0	0	0	
	2 nd	Balasingha	4	4	4	4	0	20	20	20	KMA	
	3 rd	Ramimunda	5	5	5	5	0	30	30	30	Rice-Fallow	
	4 th	Bantala	5	5	5	5	0	26	26	26	KMA	
Jan'2018	1 st	Saradhapur	6	6	6	6	0	30	30	30	KMA	
	2 nd	0	0	0	0	0	0	0	0	0	0	
	3 rd	Balijharan	5	5	5	5	0	30	30	30	KMA	
	4 th	Jarapada	5	5	5	5	0	30	30	30	KMA	
Feb'2018	1 st	Kantiaposhi	8	8	8	8	0	40	40	40	KMA	
	2 nd	Ragudiapada	3	3	3	3	0	20	20	20	Climate Smart	
	3 rd	Mahidharpur	5	5	5	5	0	30	30	30	KMA	
	4 th	0	0	0	0	0	0	0	0	0	0	
March'2018	1 st	Jarasingha	2	2	2	2	0	15	15	15	KMA	
	2 nd	Balijharan	5	5	5	5	0	30	30	30	KMA	
	3 rd	Podapeda	5	5	5	5	0	30	30	30	KMA	
	4 th	Benagadia	5	5	5	5	0	30	30	30	KMA	
TOTAL		30 villages (8 blocks)	300	128	300	220	80	1100	1100	1100		