

**ANNUAL ACTION PLAN
2017-18
KVK, JAJPUR**



OUAT, BHUBANESWAR

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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	
	OFTs	10	122			
	FLDs – Oilseeds (activity in ha)	75	128			
	FLDs – Pulses (activity in ha)	80	150			
	Cluster demonstration in greengram (Rice fallow)	20	60			
	FLDs – Cotton (activity in ha)	-	-			
	FLDs – Other than Oilseed and pulse crops(activity in ha)	4.4	35			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	11	110			
	Training-Farmers and farm women	80	2000			
	Training-Rural youths	16	240			
	Training- Extension functionaries	10	250			
	Extension Activities	2073	14149			
	Seed Production (Number of activity as seeds in quintal)	295 qtl.	OSSC			
	Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
	Seedling Production (Number of activity as number of seedlings in numbers)	100000 nos.	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	
	Other Bio- products (No. of quantity) Vermicompost	30 qtl.	10			
	Live stock products(Chicks) Mushroom	5000 nos. 4 qtl.				
	Activities of Soil and Water Testing Laboratory	1000				
	Rainwater Harvesting System	-	-			
	Kisan Mobile Advisory (KVK-KMA)	48	23000			
	SAC Meeting (Date & no. of core/ official members)	2	60			
	Literature to be Developed/Published	10	-			
	Convergence programmes / Sponsored programmes	4	-			
	Utilization of Farmers Hostel	5	-			
	Utilization of Staff Quarters	2				
	Details of KVK Agro-technological Park					
	Crop Cafeteria-	12				
	Farm Innovators- list of 10 farm innovators from the District	10				
	Status of Revolving Funds	3				
	Awards and Recognitions	5				
	Case study / Success Story to be developed	2				
	KVK Progressive Farmers interaction	7				
	Outreach of KVK in the District (No. of blocks, no. of villages)	Intensive :8/45 Extensive :10/39				
	Technology Demonstration under	NA				

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	
	Tribal Sub Plan					
	KVK Ring	2				
	Important visitors to KVK					
	Status of KVK Website					
	Status of RTI	NA				
	E-connectivity	NA				
	Details of Technology Week Celebrations					
	Interventions on Drought Mitigation	NA				
	Proposal of NAIP	NA				
	Proposal of NICRA	NA				
	Well labeled photographs					
	Other Activities (Mushroom production)	4 qtl.				

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
Jajpur	Senior Scientist & Head	Dr.(Mrs) Tilottama Pattnaik	Home Science	Ph.D	Human Resource Development	37,400-67,000	55580	20.06.2012	Permanent	Others
Jajpur	Scientist 1	Mrs. Babita Mishra	Horticulture	M.Sc .Ag	Horticulture	15,600-39,100	23070	13.08.2014	Contractual	Others
Jajpur	Scientist 2	Mrs. Dharitri Patra	Women Agril.	M.Sc .Ag	Women Agriculture	15,600-39,100	23950	27.06.2007 to 15.04.2014 & 16.01.2016 to cont.	Contractual	Others
Jajpur	Scientist 3	Mrs Bijayalaxmi Mohantaa	Ag.Engg	Ph.D	Food Engg.	15,600-39,100	20590	12.04.2012	Contractual	Others
Jajpur	Scientist 4	Mr. Subhasis Dash	Soil Science	M.Sc. Ag	Soil Sc.	15,600-39,100	20590	11.06.2013	Contractual	Others
Jajpur	Scientist 5	Vacant	-	-		-	-	-	--	-
Jajpur	Scientist6	Vacant	-	-		-	-	-	-	-
Jajpur	Programme Assistant	Dr. A.K. Das	Vety.Sc	MVSc	O&G	9,300-34,800	9710	23.12.2015	Contractual	Others
Jajpur	Farm Manager	Mr. Bipra Charan Swain	Agronomy	M.Sc. Ag	Agronomy	9,300-34,800	11470	27.07.2013	Contractual	Others

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joiing	Per./Temp .	Category
Jajpur	Computer Programmer	Mrs. Sangita Panda	Computer	B.Sc. PGDC A	Computer	9,300-34,800	13450	02.09.2014	Contractual	Others
Jajpur	Accountant / superintendent	Mr. Prahala d Chayani	Accountant	B.A		9,300-34,800	13980	07.03.2016	Permanent	Others
Jajpur	Stenographer	Mr. Trupti Ranjan Barik	Steno	B.Sc	Computer	5,200-20,200	7860	29.06.2012	Contractual	Others
Jajpur	Driver	Mr. Pravat Ku. Nayak	-	10 th		5,200-20,200	7400	5.11.2015	Contractual	Others
Jajpur	Driver	Mamtaz Alli Khan	-	10 th		5,200-20,200	6860	08.07.2013	Contractual	Others
Jajpur	Supporting staff	Mr. Lachha man Swain	-	-		4,440-14,680	6230	27.09.2013	Contractual	Others
Jajpur	Supporting staff	Sri Bhagira Dalei	-	-		4,440-14,680	5790	08.07.2014	Contractual	Others

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

Geographical area	2,89,900 ha
Cultivation land	1,45,450 ha
Resources	2,66,000ha land
Forest Area	7,2527

Opportunities	Water bodies & river valley
Irrigation	93,725 ha
Population	18,27,192

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)
Jajpur	Dihakuransa	2012	Rasulpur	35	473	90
Jajpur	Khadipada	2015	Jajpur	65	800	140
Jajpur	Choromuha	2016	Dharmasala	30	3500	160
Jajpur	Sunsilo	2017	Sukinda	60	800	130
Jajpur	Jari	2017	Binjharpur	80	1100	500

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

KVK Name	THRUST AREA
Jajpur	Varietal substitution in field and horticultural crops.
Jajpur	Off-season vegetable cultivation.
Jajpur	Popularization of energy rich, high value and cash crops.
Jajpur	Commercial cultivation of fruit, flowers, medicinal and aromatic crops.
Jajpur	Production of quality seed and planting materials in different major crops of the district.
Jajpur	Improved crop management practices in cereals, pulses, vegetables and cash crops.
Jajpur	Post harvest technology and value addition of cereals, pulses, oil seeds, vegetables and fruits.
Jajpur	Farm resource management.
Jajpur	Insect pest disease management.
Jajpur	Drudgery reduction through use of farm implements.
Jajpur	Creating avenues for self-employment through entrepreneurship development.
Jajpur	Family food and nutritional security.
Jajpur	Production and management of organic input.
Jajpur	Farm mechanization
Jajpur	Soil and water conservation.

Jajpur	Disaster management
Jajpur	Protected cultivation and precession farming.
Jajpur	Poultry, duckery, goatery and dairy farming.
Jajpur	Fresh water aquaculture

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
Jajpur	Detoriation of existing varieties used by the farmers in field and horticultural crops	PRA survey & group discussion	Choromuha, Dharmasala, Dihakuransa, Rasulpur, Sankharidiha, Dharmasala
Jajpur	Distress sale of seasonal vegetables	PRA survey & group discussion	Dihakuransa, Rasulpur, Sankharidiha, Dharmasala, Khadipada, Jajpur
Jajpur	Less production from traditional field & vegetable crops	PRA survey & group discussion	Sankharidiha, Dharmasala,
Jajpur	Traditional farming gives low farm income	PRA survey & group discussion	Sankharidiha, Dharmasala
Jajpur	Unavailability of quality seed and planting materials	PRA survey & group discussion	Dihakuransa, Rasulpur, Sankharidiha, Dharmasala, Khadipada, Jajpur
Jajpur	Lack of proper crop management practice in field, vegetable and pulses and other cash crops	PRA survey & group discussion	Choromuha, Dharmasala, Dihakuransa, Rasulpur, Sankharidiha, Dharmasala, Khadipada, Jajpur

Jajpur	Loss of food grain due to lack of post harvest management	PRA survey & group discussion	Khadipada, Jajpur, Choromuha, Dharmasala,
Jajpur	Lack of knowledge on integrated pest and disease management	PRA survey & group discussion	Dihakuransa ,Rasulpur, Sankharidiha, Dharmasala, Khadipada, Jajpur
Jajpur	Ignorance of latest farm technology increase the drudgery of farm women	PRA survey & group discussion	Dihakuransa ,Rasulpur Korei, Sankharidiha, Dharmasala
Jajpur	Unemployment problem of rural youth	PRA survey & group discussion	Dihakuransa ,Rasulpur Danagadi, Sankharidiha, Dharmasala
Jajpur	Food and nutritional insecurity of farm families	PRA survey & group discussion	Dihakuransa ,Rasulpur, Sankharidiha, Dharmasala, Khadipada, Jajpur
Jajpur	Limited farm mechanization	PRA survey & group discussion	Dihakuransa ,Rasulpur, Sankharidiha, Dharmasala, Khadipada, Jajpur
Jajpur	Lack of knowledge on soil and water conservation	PRA survey & group discussion	Dihakuransa ,Rasulpur Choromuha, Dharmasala, Dhanjayapur, Dangadi

Supplementary Formats for Action Plan
Format 1: Agro-ecological situations (AES)

Agro-ecological situations	Blocks covered	Major crops and commodities	Strength	Weakness and Challenges	Opportunity
Low lying flood prone	Jajpur, Bari, Dashrathpur, Binjharpur	Rice-blackgram/greengram/vegetable & AH	Rice cultivation	Low productivity of crops	Productivity can be improved with adoption of improved varieties
Saline Soil	Dashrathpur, Binjharpur	Rice , AH	Animal husbandry	Marketing problem	Scope for animal production and processing industries for value addition
Red Laterite Rainfed	Korei	Rice , AH	Huge amount of straw available for mushroom production	Traditional cultivation leads to low production of paddy	Mushroom production can be taken for subsidiary income
Alluvial Rainfed	Dharmasala, Rasulpur, Badachana, Danagadi	Rice-Groundnut/blackgram/greengram/vegetable & AH	Vegetable cultivation	Quality seed & seedling not available in time	Scope for off season vegetable cultivation , processing industry for value addition to vegetable

River vally alluvial medium rainfall	Sukinda	Rice-pulse & AH	Animal husbandry	Low meat and egg production due to rearing of local bird minor goateries with less marketing	Egg and meat production can be increased by rearing improved poultry bird and goat breed
Light laterite (High rainfall)	Sukinda	Rice, AH	Sufficient straw available for mushroom production	Fewer vegetable cultivation area	Mushroom cultivation can be done for additional income

Format 2: Intervention Framework

Sl. No.	Major Crops & Enterprise (Total Area /No)	Prioritized problems	Area (ha /No.) affected by the problem	Names of cluster/villages identified for intervention	Proposed Intervention (OFT,FLD, Extension activity, QPM, Flagship and sponsored programmes etc.)
1	Rice (1,17,000 ha)	<ul style="list-style-type: none"> ▪ Use of degenerated varieties ▪ Broadcasting method of sowing ▪ Blanket fertilization ▪ Hand weeding & severe weed incidence ▪ Micronutrient deficiency ▪ Scarcity of labour & high labour cost 	80% of medium rice area Economic loss Rs. 9800 /ha	Block—Rasulpur, Dharmasala, Sukinda, Binjharpur	<ul style="list-style-type: none"> ▪ Training in INM in paddy ▪ Boron application in rice ▪ Nitrogen management in paddy ▪ Green & brown manuring in paddy ▪ OFT on nitrogen management practices in paddy ▪ Trg. On chemical weed control in paddy ▪ OFT on Boron application in rice ▪ Training on use of different weedicide in paddy ▪ Training on use of different bullock drawn implements ▪ OFT on four row

					<ul style="list-style-type: none"> walk behind self propelled rice transplanter ▪ Training off use of seed cum fertilizer drill ▪ FLD on tractor drawn multicrop seed cum fertilizer drill for paddy ▪ FLD on self propelled eight row rice transplanter ▪ FLD on use of track type combine harvester
2	Groundnut (35000 ha) in rabi	<ul style="list-style-type: none"> ▪ Use of local varieties ▪ Poor pod filling in groundnut ▪ Leaf spot in groundnut ▪ Heavy weed incidence in kharif 	65% of medium land area Economic loss in weeding 11000/ha	Block- - Badachana, Dhramasala, Danagadi, Sukinda	<ul style="list-style-type: none"> ▪ FLD on cluster demonstration in groundnut ▪ Training in herbicide application ▪ Training on micronutrient deficiency & its control measure in groundnut ▪ Training in use of seed cum fertilizer drill ▪ OFT on bullock drawn groundnut digger ▪ FLD on herbicide Imizathapyr application in groundnut
3	Greengram	1.Use of local varieties	70%	Block- Badachana, Jajpur,	<ul style="list-style-type: none"> ▪ Cluster

	(25,000 ha) in rabi	2. YMV in greengram 3. Improper management practices	of medium land area economic loss Rs. 11200/ha	Dharmasala	demonstration in greengram var. IPM-02-03 ▪ Training in INM in pulse
4	Blackgram (24000 ha in rabi)	▪ Use of local varieties ▪ Improper management practices	65% of medium land area Economic loss Rs. 8000/ha	Block- Sukinda	▪ Cluster demonstration on blackgram var. PU-31 in kharif ▪ Training on bio-fertilizer application in blackgram
5	Potato (700 ha) in rabi	▪ Small size tubers, less nos of tuber/plant, low cooking quality ▪ Low profit from local varieties	200 ha	Block- Rasulpur, Dharmasala	▪ OFT on potato var. Kufri Surya ▪ Training on production technique of potato ▪ Training on value added products of potato
6	Tomato (3200 ha)	▪ Low keeping quality ▪ High rotting % during transportation ▪ Incidence of bacterial and fungal wilt	400 ha	Block- Dharmasala, Rasulpur	▪ OFT on tomato var. BT-136 ▪ Supply of quality

					seedlings <ul style="list-style-type: none"> ▪ Training on production techniques of tomato
7	Marigold (25 ha)	<ul style="list-style-type: none"> ▪ Low yield, inferior flower quality ▪ Low keeping quality ▪ Traditional method of cultivation 	25 ha	Block- Dharmasala, Rasulpur, Jajpur	<ul style="list-style-type: none"> ▪ FLD on INM in marigold ▪ Training on INM in marigold ▪ Supply of neem oil cake, bio-fertilizer, seaweed extract
8	Pointed gourd (200 ha)	<ul style="list-style-type: none"> ▪ Low yield from local variety ▪ Cultivation on raised bed ▪ Low cooking quality ▪ Stem rot & fruit rot 	200 ha	Vill- Jajpur, Dharmasala, Badachana, Rasulpur	<ul style="list-style-type: none"> ▪ FLD on pointed gourd var. Swarna Alaukik ▪ Planting in triangular staking system ▪ Training on planting material production technique ▪ Publication on pointed gourd cultivation
9	Capsicum (15 ha)	<ul style="list-style-type: none"> ▪ Low profit from chilli cultivation ▪ Chilli harvesting is labour intensive ▪ Lack of much knowledge on capsicum cultivation 	900 ha (chilli cultivation)	Block- Rasulpur, Jajpur	<ul style="list-style-type: none"> ▪ FLD on capsicum ▪ Training on production techniques of capsicum ▪ Supply of quality seedling of california wonder variety ▪ Publication on profitable capsicum cultivation

10	Water melon (400 ha)	<ul style="list-style-type: none"> ▪ Low yield, low quality fruit ▪ Traditional method of cultivation ▪ Use of imbalanced fertilizer 	350 ha	Block- Rasulpur, Jajpur	<ul style="list-style-type: none"> ▪ FLD on INM in water melon ▪ Training on advantage of INM in vegetable production ▪ Training on advantage of organic manure in vegetable production ▪ Training on advantage of organic manure in vegetable production ▪ Supply of neem oil cake, bio-fertilizer, seaweed extract
11	Poultry (205474 dual type birds)	<ul style="list-style-type: none"> ▪ Slow growth rate ▪ Less meat & egg production from desi birds ▪ Low profit from desi bird rearing 	90% of poul try gro wers are affec ted	Block- Jajpur, Rasulpur, Dharmasala, Binjharpur	<ul style="list-style-type: none"> ▪ FLD on supplementation of multi enzyme mixture on growth of scavenging chicken ▪ FLD on backyard rearing of pallisree breed ▪ Training on herbal ingredients use in different disease of livestock ▪ Training on benefits of agricultural bi-products & different organic

					base in animal nutrition ▪ Animal health camp & poultry vaccination camp
12	Mushroom (800 bed/day)	<ul style="list-style-type: none"> ▪ Low yield from P. Sajarcaju during later part of winter ▪ Low yield of paddy straw mushroom var. V. Volvascea due to high temperature in summer 	300 bed/day	Block- Rasulpur, Dharmasala, Binjharpur, Badachana	<ul style="list-style-type: none"> ▪ Training on cultivation of oyster and paddy straw mushroom ▪ Training on value addition in mushroom ▪ OFT on use of different substrate in oyster mushroom ▪ OFT on paddy straw mushroom var. OSM-11 & 12 ▪ FLD on oyster mushroom var. H. Ulmaris ▪ FLD on value addition in mushroom

Format 3: Trainings

Crop/Commodity/Enterprise	Thematic Training Areas	Link Activities (OFT / FLD/ Other Extension Activities / Flagship programmes if any)	No of Courses	No of participants
Paddy	SFM	Assessment of Nitrogen management practices in medium land paddy	4	100
	SFM	Assessment of Boron application in rice		
Groundnut	SFM	Demonstration on Boron + Sulphur application in groundnut	2	50

	SFM	Demonstration on herbicide imizathapyr application in groundnut		
	SFM	Cluster demonstration on groundnut		
Groundnut	WOE	Value addition in groundnut	3	80
Blackgram	SFM	Cluster demonstration on kharif blackgram	1	25
Tomato	HOV	Assessment of tomato var. BT-136	1	25
Potato	HOT	Assessment of potato variety	1	25
Brinjal	HOV	Demonstration on Bio-fertilizer application in brinjal	1	25
Capsicum	HOV	Demonstration on capsicum var. California wonder	1	25
Marigold	HOO	Demonstration on INM in marigold	1	25
Self propelled rice transplanter	AEG	Assessment of four row walk behind self propelled rice transplanter	2	50
	AEG	Demonstration on Self propelled eight row rice transplanter		
Groundnut digger	AEG	Assessment of performance of tractor drawn groundnut digger	2	50
Seed cum fertilizer drill	AEG	Demonstration on tractor drawn multicrop seed cum fertilizer for sowing of paddy	2	50
Combine harvester	AEG	Demonstration on use of track type of combine harvester	1	25
Rotavator	AEG	Demonstration on tractor operated rotavator for dry ploughing	1	25
Paddy straw mushroom	WOE	Assessment of paddy straw mushroom Var. OSM-11 and 12	1	25
Oyster mushroom	WOE	Management and use of different substrate in oyster mushroom cultivation	1	25

	WOE	Demonstration of Oyster Mushroom variety Hypsizygous ulmarius		
Nutritional garden	WOE	Assessment of nutritional security of farm women by introduction of Nutritional garden	1	30
Poultry	LPM	Demonstration on supplementation of multienzyme mixture on growth of scavenging chicken	1	25
	WOE	Demonstration on poultry rearing Rain bow rooster in backyard	1	25

Format 4 : Flagship Programmes

SL.No.	Programmes	Activities	Linked Agency
1	CFLD	<ul style="list-style-type: none"> ▪ Cluster demonstration on kharif oil seed (30 ha) ▪ Cluster demonstration on kharif blackgram (30 ha) ▪ Cluster demonstration on rabi oil seed (30 ha) ▪ Cluster demonstration on on rabi pulse greengram 	OSSC, Dept. of Agriculture
2	IRRI Trials	<ul style="list-style-type: none"> ▪ Demonstration of drought and submergence condition rice var. (DRR 42, DRR 46, Swarna sub-1, Sahabhagi, Bina-11, 1009 sub-1, DRR-44,) 	OUAT, IRRI, KVK

Format 5: Capacity Building of KVK Personnel

S. No	Name of the Scientist / Staff	Areas of Training Required	Institution proposed to attend if identified	Justification
1	Mrs. Babita Mishra Scientist (Horticulture)	Improved package of practices of potato cultivation	CRRI, Simla	<ul style="list-style-type: none"> ▪ To increase productivity ▪ To increase area under potato cultivation ▪ To achieve self sufficiency in potato production
2	Mrs. Dharitri Patra Scientist (Home Sc.)	Food processing & value addition	CFTRUI, Maysore CIPHET, Ludhiana	<ul style="list-style-type: none"> ▪ Cereals, pulses & oil seeds are the major crop area and there is a scope of secondary processing in the district
3	Dr. Bijayalaxmi Mohanta Scientist (Agril. Engg.)	<ul style="list-style-type: none"> ▪ Micro irrigation with fertigation system ▪ Advance food processing technology 	<ul style="list-style-type: none"> ▪ Indian Institute of soil and water conservation, Dehradun ▪ CIPHET, Ludhiana 	<ul style="list-style-type: none"> ▪ To increase knowledge micro-irrigation and fertigation ▪ Cereals, pulses & oil seeds are the major crop area and there is a scope of secondary processing in the district
4	Mr. Subhasis Dash Scientist (Soil Sc.)	Organic Farming	IISS, Bhopal	<ul style="list-style-type: none"> ▪ Requirement for Farming community for soil health and fertility management
5	Dr. Ananga Kumar Das PA (Animal Sc.)	Infertility Alleviation Techniques in Livestock	IVRI, Bareilly, Izatnagar UP	<ul style="list-style-type: none"> ▪ Reproductive diseases are more rampant in Jajpur district and

		<ul style="list-style-type: none"> ▪ Animal Nutrition & fodder cultivation related 	<ul style="list-style-type: none"> ▪ National Institute of Animal Nutrition & Physiology, Tamilnadu 	<ul style="list-style-type: none"> incurs highest expense from farmers ▪ Fodder & nutrition play vital role in lowering the production cost & increase the farmer's income in Jaipur district
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- Indicate the training requirement of Scientific and technical staff

Format 6 : 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	Jaipur, Kendrapara, Puri, Jagatsinghpur, Balesore, & Bhadrak	Sharing of knowledge and manpower, machinery	Technical support, sharing of quality inputs

Doubling Farmers income by Technological interventions

Summary Table

District Jajpur	Module	Farming situation/AES	Name of village/block	Name of existing farming system	Present income 2016-17	Proposed income 2017-18	Risk/un- sustainability	Remarks	
								Most representative module	Market linkage
Module-1	Rice-potato (HYV) +mushroom +poultry	Irrigated medium land (AES- Alluvial rainfed)	Vil:- Dihakuransa Block:- Rasulpur	Rice-potato	1,19,628/-	1,29,000/-	-Crop loss due to heavy rain		Local and Out side market, Govt. procurement
Module-2	Rice-greengram / tomato (HYV) +Mushroom +Poultry	Irrigated medium land (AES-Alluvial Rainfed)	Vil:- Choromuha Block:- Dharmasala	Rice-/greengram/to mato	1,35,180	1,47,000	- Distress sale of tomato - Less market rate for poultry meat	Module -2 Existing most representative module	MARFED Out side market
Module-3	Rice-greengram/ pointed gourd(HYV) +poultry	Irrigated low land (AES-Low lying flood prone)	Vill:- Khadipada Block-Jajpur	Rice- greengram/pointed gourd	1,86.620	1,98,000	Crop loss due to heavy rain		Local marketing & trading
Module-4	Rice- greengram(HYV) +mushroom +goat	Rainfed Medium land (AES-Light laterite (High rainfall))	Vill-Sunsilo Block:- Sukinda	Rice- fallow	Rs. 39,092	Rs. 48,720	Crop loss due to heavy rain		Local vending
Module-5	Rice- Greengram+ poultry	Rainfed Medium land (AES-Saline soil)	Vill:-Jari Block:- Binjharpur	Rice- pulse	Rs. 24,000	Rs. 37,260	Uneven rain		Local vending

Module:- I (Vill- Dihakuransa, Block- Rasulpur)

Name of AES: Alluvial rainfed

Farming situation	Existing practice 2015-16	1 st yr 2016-17			2 nd yr (2017-18)		3 rd yr (2018-19)	
	Component	Problem/practices	Intervention	Yield & Net income/ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Irrigated medium land	Rice- Potato Rice-23.5qtl. Rs. 14,053	<ul style="list-style-type: none"> ▪ Paddy-var. Khandagiri ▪ Broadcasting ▪ Blanket fertilization ▪ Hand weeding ▪ Micronutrient deficiency 	1. HYV Sahabhagi 2. Seed treatment	32.4 qtl. Rs.19,148	3. HYV Sahabhagi/ Mandakini 4. Line sowing 5. STBF 6. Pre-emergence herbicide pendimethalin @ 1.25 lit/ha	36 qtl. Rs.24,000	7. Application of ZnSO4 @25kg/ha	38 qtl. Rs.26,000
	Potato 208.5 qtl. Rs.61,450	<ul style="list-style-type: none"> ▪ Potato var- Kufri Jyoti (90 days) ▪ Rotting of tuber ▪ Blanket fertilization 	1. Potato var- Kufri Surya (75days)	238.2 qtl. Rs.76,300	2. Tuber treatment Dithane M-45 @3gm/lit	247 qtl. Rs.77,000	3. STBF	255 qtl. Rs.79,000
Total	Rs. 75,503			Rs. 95,448		Rs.1,01,000		Rs. 1,05,000

Faming situation	Existing practice 2015-16		1 st yr 2016-17		2 nd yr (2017-18)		3 rd yr (2018-19)	
	Component	Problem/practices	Intervention	Yield & Net income	Intervention	Expected yield & income	Intervention	Expected yield & income/ha
Home stead	Poultry (1.2kg body wt/Yr.) 24kg(20birds) Eggs80/ Yr	Rearing of local bird	1.poultry rearing with pallishree 2.Vaccination with RD 3. Feeding (Home scarping+ Agril. by-product)	<ul style="list-style-type: none"> ▪ chicken - 2.15kg/ bird in 2 months 43kg (20birds) ▪ 130egg/ bird/Yr 	4.Home scarping 90% +10 % acid treated fish silage	Chicken 2.5 kg/ bird 50kg (20 birds) 130eggs/ bird/Yr	5.Market linkage 6.Storage packaging of egg for selling	Chicken(2.5kg/bird) (50kgfrom 20 birds) 130 eggs/bird/Yr
Total	Rs. 8,000			Rs.11,260		Rs.14,000		Rs. 19,000

Farming situation	Existing practice 2015-16	1 st yr 2016-17			3 rd yr (2018-19)			
		Component	Problem/practices	Intervention	Yield & Net income /ha *	Intervention	Expected yield & income/ha	Intervention
Home stead	Paddy straw mushroom (150 kg 150 bed in 5 months) Rs. 7,500/-	<ul style="list-style-type: none"> ▪ Mushroom room <i>V. volvacea</i> ▪ High temperature during summer ▪ Unhygienic mushroom room 	<ol style="list-style-type: none"> 1. Mushroom Strain-OSM-11 2. Maintenance of temperature 	1.2 kg/bed 180kg (150 bed) Rs. 9,000/-	3. Disinfection of mushroom room with formalin 1ml/lit.	1.3kg/bed 195 kg (150 bed) Rs. 10,000/-	4. packaging in plastic punnets for market linkage	1.3kg/bed (195 kg per 150 bed) Rs. 12,000

Home stead	Oyster mushroom (74 kg per 40 bed) Rs. 2,590	<ul style="list-style-type: none"> ▪ Oyster mushroom <i>Hypsizygous</i> <i>P sajarcaju</i> (1.85 kg/bed) ▪ Improper management practices 	1.Oyster mushroom <i>Hypsizygous ulmarius</i>	2.8kg/bed (112kg per 40 bed) Rs. 3,920	2.Improved management practices	2.9kg/bed 116 kg (40 bed) Rs.4,000	3.Value addition (pickle, Mushroom soup powder) 4.Market linkage	116kg (40 bed) Rs.7000
Grand total	Rs. 93,593			Rs.1,19,628 (27.8%)		Rs.1,29,000 (37.8%)		Rs.1,43,000 (52.7%)

Module:- II (Vill- Choromuha Block- Dhramasala)

Name of AES: Alluvial rainfed

Faming situation	Existing practice 2015-16		1 st yr 2016-17		3 rd yr (2018-19)			
	Component	Problem/practices	Intervention	Yield & Net income/ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Irrigated Medium land	Rice- (Swarna greengram/tomato) Rice -Yield- 40q/ha Rs. 24,400	<ul style="list-style-type: none"> ▪ Susceptible to pest & disease ▪ Blanket fert. application ▪ Hand weeding ▪ Micronutrient deficiency 	1. Seed treatment with Vitavax power 2.Line transplanting	42 q/ha Rs.25,200	3.STBF 4.Herbicide Pretilachlor 1lit/ha at 2-4 DAT	46 q/ha Rs.29,000	5.Application of ZnSO4 @25kg/ha	48q/ha Rs.31,000
Irrigated Medium land	Greengram 4.3 q/ha Rs. 4,700	<ul style="list-style-type: none"> ▪ JhainMoong ▪ Broad casting ▪ No seed treatment 	1.Var. TARM-1	5.2 q/ha Rs.7,500	2. TARM-1 /IPM 02-3 3.Line sowing 4.Seed	6.0 q/ha Rs.9,000	5.STBF 6.Herbicide application with quizalfop-p- ethyl	7.0 q/ha Rs.11,000

		<ul style="list-style-type: none"> Blanket fertilization Hand weeding 			treatment with Vitavax power		1lit/ha	
Total	Rs.29,100			Rs.32,700		Rs.38,000		Rs. 42,000
Faming situation	Existing practice 2015-16	1st yr 2016-17	2nd yr (2017-18)	3rd yr (2018-19)				
	Component	Problem/practices	Intervention	Yield & Net income /ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Irrigated Medium land	Tomato Var.UtkalKumari 257.8 q/ha Rs.60920	<ul style="list-style-type: none"> Thin rind Blanket fert. Application Bacterial & fungal wilt 	1. Hybrid tomato var. Swarna Vijay	311.8 q/ha Rs.80120 Low keeping quality	2.Hybrid tomato var. BT-136(bacterial Wilt, resistant) 3.STBF	322 q/ha Rs.81,000	3.Spraying of ridomil MZ 20gm+ streptocycline 1gm/10 lit water	335 q/ha Rs.83,000
Total	Rs. 60,920			Rs.80.120		Rs.81,000		Rs.83,000

Faming situation	Existing practice 2015-16	1st yr 2016-17	3rd yr (2018-19)

	Component	Problem/practices	Intervention	Yield & Net income /ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Home stead	Paddy straw mushroom 150 kg (150 bed) 5month	<ul style="list-style-type: none"> ▪ Mushroom <i>V. volvacea</i> ▪ High temperature during summer ▪ Unhygienic mushroom room 	1.Mushroom Strain- OSM-11 2.Maintenance of temperature	1.2 kg/bed 180kg (150 bed)	3.Disinfection of mushroom room with formalin 1ml/lit.	1.3kg/bed 195 kg 150bed	4.packaging in plastic punnets for market linkage	1.3kg/bed 195 kg (150 bed)
	Rs. 7,500/-			Rs.9,000		Rs.10,000		Rs. 12,000

Farming situation	Existing practice 2015-16		1 st yr 2016-17		3 rd yr (2018-19)			
	Component	Problem/practices	Intervention	Yield & Net income /ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha

Home stead	Oyster mushroom 74 kg (40 bed) Rs. 2,590	<ul style="list-style-type: none"> ▪ Oyster mushroom <i>P sajarcaju</i> (1.85 kg/bed) ▪ Improper management practices 	1.Oyster mushroom <i>Hypsizygous ulmarius</i>	2.8kg/bed 112kg (40 bed) Rs. 3,920	2.Improved management practices	2.9kg/bed 116 kg (40 bed) Rs.4,000	3.Value addition (pickle,Mushroom soup powder) 4.Market linkage	116kg (40 bed) Rs.7,000
Total	Rs. 10,090			Rs. 12,920		Rs.14,000		Rs.19,000

Farming situation	1 st yr 2016-17			2 nd yr (2017-18)		3 rd yr (2018-19)		
	Component	Problem/practices	Intervention	Yield & Net income	Intervention	Expected yield & income	Intervention	Expected yield & income/ha
Home stead	Poultry 1.2kg body wt/Yr. 24kg(20birds) Eggs80/Yr.	Rearing of local bird	1.Poultry rearing with pallishree 2.Vaccination with RD 3.Feeding(Home scarping+Agril bio product)	Chicken 1.6kg /bird Eggs production 130eggs/bird/Yr	4.Home scarping 90% +10 % acid treated fish silage	Chicke n.- 2.5 kg/ /bird (20 birds) Egg prodn- Approx. 130eggs/bird/Yr	5.Market linkage 6.Storage packaging of egg for selling	Chicken.-2.5kg/bird; Egg prodn. Approx. 130/bird/ Yr
Total	Rs.8,000			Rs.9,440		Rs.14,000		Rs.19,000
Grand total	Rs. 1,08,110			Rs.1,35,180 (25%)		Rs. 147000 (35.9%)		Rs.1,63,000 (50.7%)

Module:- III (Vill- Khadipada, Block- Jajpur)

Name of AES: low lying flood prone area

Farming situation	Existing practice 2015-16	1 st yr 2016-17			2 nd yr (2017-18)		3 rd yr (2018-19)	
	Component	Problem/practices	Intervention	Yield & Net income/ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Low land	Rice var. (Swarna) - greengram/vegetable Rice yield- 36.5qtl Rs.24,000	<ul style="list-style-type: none"> ▪ Susceptible to pest & disease ▪ No seed treatment ▪ Blanket fertilisation ▪ Hand weeding ▪ Micro nutrient deficiency 	1.Variety Swarna Sub1 2.Seed treatment with Vitavax power	40.5q Rs.30,000	3. STBF 4.Pretila chlor 1lit/ha at 2-4 DAT	43.0 q/ha Rs.32,000	5.Application of ZnSO4 @25kg/ha	45.0 q/ha Rs.34,000
Low land	Greengram 4.2 q/ha Rs. 4,600	<ul style="list-style-type: none"> ▪ Jhainmoong ▪ No seed treatment ▪ Broad casting ▪ Blanket fert. ▪ Hand weeding 	1.Var. TARM-1	5 q/ha Rs.7,300	2.IPM02-03 3.Seed treatment – Vitavax power 4.STBF 5.Line sowing	6.0q/ha Rs.9,000	6.Quizalfop-p-ethyl 1lit/ha	7.0 q/ha Rs.10,000
Total	Rs.28,600			Rs.37,300		Rs.41,000		Rs.44,000

Farming situation	Existing practice 2015-16	1 st yr 2016-17			2 nd yr (2017-18)		3 rd yr (2018-19)	
	Component	Problem/practices	Intervention	Yield & Net income/ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha

Irrigated Low land	Pointed gourd 178.2 q/ha Rs.98,240	<ul style="list-style-type: none"> ▪ Local var-Gedi potala ▪ Improper male:Female ratio ▪ Blanket fert. application ▪ Root rot 	1.var. Swarna Alaukik 2.Maintenance of Male:Female ratio (1:9)	208.4q/ha Rs.1,39,400	3.Cultivation in triangular stacking system 4.STBF	221q/ha Rs.1,43,000	5.Spraying of Ridomil- MZ 20gm +streptocycline 1gm/10 lit water	226q/ha Rs.1,45,000
Total	Rs.98,240			Rs.1,39,400		Rs.1,43,000		Rs.1,45,000

Farming situation	Existing practice 2015-16	1 st yr 2016-17	2 nd yr (2017-18)	3 rd yr (2018-19)				
	Component	Problem/practices	Intervention	Yield & Net income	Intervention	Expected yield & income	Intervention	Expected yield & income/ha
Home stead	Poultry 1.2kg body wt/Yr. 24kg(20birds) Eggs80/ Yr.	Local bird rearing	1.Improved breed pallishree 2.Vaccination with RD 3.Feeding (Home scarping+ Agril bio product	chicken 1.8 kg /bird; 36kg(20bird) 130eggs/bird/Yr	4.Home scarping 90% +10 % acid treated fish silage	Chicken 2.5 kg/ bird 50kg (20 birds) 130eggs/ bird/Yr.	5.Market linkage 6. Storage packaging of egg for selling	Chicken 2.5kg/bird 50kg(20 birds) 130 eggs/bird/Yr.
	Rs. 8000/-			Rs. 9920/-		Rs.14,000		Rs.19,000
Grand total	Rs.1,34,840			Rs.1,86,620 (38%)		Rs.1,98,000 (46.8%)		Rs.2,08,000 (54.2%)

Module:- IV (Vill- Sunsilo, Block- Sukinda)

Name of AES: Light Laterite(High rain fall)

Farming situation	Existing practice 2016-17	1 st yr (2017-18)			2 nd yr (2018-19)		3 rd yr (2019-20)	
	Component	Problem/practices	Intervention	Expected Yield & Net income /ha *	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Rainfed Medium land	Rice (var. Swarna) - Fallow Rice yield-36.5qtl Rs.24,000	<ul style="list-style-type: none"> ▪ Susceptible to pest & disease ▪ No seed treatment ▪ Blanket fert ▪ Hand weeding ▪ Chemical pesticide 	1. Seed treatment with Tricoderma viridae 5 gm/kg seed 2. FYM 5t/ha	32 q/ha Rs.22,000	3. Green manuring 4. Cono weeder	34 q/ha Rs.24,000	5. Neem based pesticide 6. Bio-fertilizer 5kg/ha	38 q/ha Rs.28,000
	Fallow	No income	1. TARM-1/ IPM02-03 2. Seed inoculation with Rhizobium 20gm/kg seed 3. FYM 5t/ha	3.8 q/ha Rs.3,800	4. Line sowing 5. Incubated with PSB 5kg/ha	4.0q/ha Rs.4,000	6. Application of neem based pesticide	5.0 q/ha Rs.5,000
Total	Rs.24,000			Rs.25,800		Rs.28,000		Rs. 33,000

Farming situation	Existing practice 2016-17		1 st yr (2017-18)		3 rd yr (2019-20)			
	Component	Problem/practices	Intervention	Expected Yield & Net income /ha *	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Home stead	Paddy straw mushroom 150 kg (150 bed) 5month	<ul style="list-style-type: none"> ▪ Mushroom <i>V. volvacea</i> ▪ High temperature during summer ▪ Unhygienic mushroom room 	1.Mushroom Strain-OSM-11 2.Maintenance of temperature	1.2 kg/bed 180kg (150 bed)	3.Disinfection of mushroom room with formalin 1ml/lit.	1.3kg/bed 195 kg (150bed)	4.packaging in plastic punnets for market linkage	1.3kg/bed 195 kg (150 bed)
Total	Rs. 7,500			Rs.9,000		Rs.10,000		Rs.12,000

Farming situation	Existing practice 2016-17	1 st yr (2017-18)	3 rd yr (2019-20)
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	Component	Problem/practices	Intervention	Expected Yield & Net income /ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Home stead	Oyster mushroom 74 kg (40 bed) Rs. 2,590	<ul style="list-style-type: none"> ▪ Oyster mushroom <i>P sajarcaju</i> (1.85 (kg/bed) ▪ Improper management practices 	1.Oyster mushroom <i>Hypsizygous ulmarius</i>	2.8kg/bed 112kg (40 bed) Rs.3,920	2.Improved management practices	2.9kg/bed 116 kg (40 bed) Rs.4,000	3.Value addition (pickle, Mushroom soup powder) 4.Market linkage	116kg (40 bed) Rs.7,000
Total	Rs. 10092			Rs.12000		Rs. 14,000		Rs. 19000

Faming situation	Existing practice 2016-17	1 st yr (2018-19)	2 nd yr (2018-19)	3 rd yr (2019-20)
		2017-18		

	Component	Problem/practices	Intervention	Expected Yield & Net income	Intervention	Expected yield & income	Intervention	Expected yield & income/ha
Home stead	Goat Rs. 5,000 (25 nos. goat)	<ul style="list-style-type: none"> High incidence of disease leads kid mortality and less body weight 	1. Herbal deworming 2. Mineral mixture @10gm/adult goat/day 3. Agricultural by-products concentrate mixture @ 500gm/day/adult goat feeding	<ul style="list-style-type: none"> Approx. income: Rs. 10,000 (25 os. goat) 	4. Herbal antioxidant premix supplementation for enhancement body immunity	Approx. income: Rs. 12,000 (25 nos. goat)	5. Organic material treated agricultural by-products feeding	Approx. income: Rs. 15,000 (25 nos. goat)
Total	Rs. 5,000			Rs. 10,000		Rs. 12,000		Rs. 15,000
Grand total	Rs.39,092			Rs, 48,720 (24.6%)		Rs. 54,000 (38.1%)		Rs. 67,000 (71.3%)

Module:- V (Vill- Jari , Block- Binjharpur)
Name of AES: Saline soil

Farming situation	Existing practice 2016-17		1 st yr (2017-18)		3 rd yr (2019-20)			
	Component	Problem/practices	Intervention	Expected Yield & Net income/ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Rainfed Medium land	Rice- greengram 25.32 q/ha Rs.13,000	Paddy- Swarna <ul style="list-style-type: none"> ▪ Blanket fert. Application ▪ Hand weeding ▪ Broadcasting ▪ Micronutrient deficiency 	1.Luna barial /Luna Sampad 2.Seed treatment with vitavax power	30.0 q/ha Rs.22,000	3.STBF 4.Seed treatment with pendimethalin @1.25lit/ha	32q/ha Rs.27,000	5.Line sowing 6.Application of ZnSO4 @25kg/ha	34 q/ha Rs.29,000

Mediumland	Pulse-Greengram Var. Jhainmung 3 qtl/ha Rs. 3000	<ul style="list-style-type: none"> ▪ Jhainmoong ▪ Board casting ▪ No seed treatment ▪ Blanket fertilisation ▪ Hand weeding 	1. TARM-1/IPM02-03 2. Seed treatment Vitavax power 3. STBF	4 q/ha Rs. 4,000	4. Line sowing	5 qtl. Rs. 5,000	5. Quizalfo p-p ethyl 1lit/ha	6 qtl. Rs. 6000
total	Rs 16000/-			Rs 26000/-		Rs 32000/-		Rs 35000/-

Faming situation	Existing practice 2016-17		1 st yr (2017-18)		3 rd yr (2019-20)			
	Component	Problem/practices	Intervention	Expected Yield & Net income/ha	Intervention	Expected yield & income/ha	Intervention	Expected yield & income/ha
Medium land	Poultry 1.2kg body wt/Yr. 24kg(20birds) Eggs80/ Yr.	Rearing of local bird	1.poultry rearing with pallishree 2.Vaccination with RD 3.Feeding (Home scarping+ Agril. by-product)	chicken - 2.15kg/ bird in 2 months 43kg (20birds) 130egg/ bird/Yr	4.Home scarping 90% +10 % acid treated fish silage	Chicken 2.5 kg/ bird 50kg (20 birds) 130eggs/ bird/Yr	5.Market linkage 6.Storage packaging of egg for selling	Chicken.2.5kg/bird 50kg (20 birds) 130 eggs/bird/Yr
Total	Rs. 8,000			Rs.11,260		Rs.14,000		Rs.19,000

Grand total	Rs. 24,000		Rs. 37,260 (55.5%)		Rs. 46,000 (91.6%)		Rs. 54,000 (125%)
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2.OnFarm Testing

Information about OFT to be conducted

Sl.no	Year/season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	No. of trials	Title of OFT	Details of Technology	Source of technology	Observation parameter
1	Kharif 2017	More use of Nitrogenous fertilizer	Assessment	INM	Paddy	Rainfed medium land	13	Assessment of Nitrogen management practices in medium land Paddy	FP- 100% N through chemical fertilizer, with P & K TO1- 75%N (CF) + 25% N (FYM) + Full dose of P & K TO2- 75% N (CF) + 25% N (Green Manure) + Full dose of P & K TO3- 50%N (CF) + 25% N (FYM)+25%N(GM)+ Full dose of P & K	NRRI, Cuttack 2009	yield(qntl/ha), no. of tillers/hill, BC Ratio
2	Kharif 2017	Rice crop is affected by B deficiency at fertilization as well as at the grain filling stages resulting in chaffy grains	Assessment	INM	Rice	Irrigated medium land	13	Assessment of Boron application in Rice.	FP- RDF (80:40:40) TO1- RDF +Borax @10kg/ha (soil application) TO2- RDF + foliar spray of 0.5% Borax twice at 15 DAT & flower initiation stage	OUAT-Bhubaneswar,	Yield attributes, grain yield, , B.C.ratio

3	Khari 2017	High labour cost & more time consuming	Assessment	Farm mechanization	Self propelled rice transplanter	medium land	5	Assessment of four row walk behind self propelled rice transplanter	FP- Manual transplanting TO1- line transplanting by using rope TO2- four row walk behind self propelled rice transplanter	Commercial tested at C.A.E.T., O.U.A.T., 2012	Field capacity(ha/hr), labour required (man days/ha), cost of transplanting (Rs/ha), yield(q/ha), B:C ratio
4	Khari 2017	Low yield of paddy straw mushroom V. Volvacea in peak summer	Assessment	Small scale income generation	mushroom	Home stead	13	Assessment of paddy straw mushroom Var. OSM-11 and 12	FP- Cultivation of paddy straw mushroom V. volvacea TO1: Cultivation of paddy straw mushroom strain OSM-11 TO2: Cultivation of paddy straw mushroom strain OSM-12	AICRP on mushroom, OUAT, 2013-14	Wt. of fruits(gm/10 buds), production (kg/bed), biological efficiency %, % change in production, cost of cultivation /bed(Rs.), net income/bed(Rs.), Protein content (%), B:C ratio
5	Khari Rabi 2017	poor nutritional status of family members due to less	Assessment	Nutritional security,	Vegetable	Home stead	13	Assessment of nutritional security of farm women by introduction of Nutritional	FP- In-proper layout & cultivation in rabi season only TO1- Nutritional gardening with proper layout and iron rich leafy vegetables	CIWA, 2010	Intake of fresh vegetable per day, consumption of

		in take of fresh vegetables and fruits						garden	TO2- Nutritional gardening with proper layout ,coloured (yellow and orange) fruits and vegetables and iron rich leafy vegetables.		nutrients per day . (% RDA) , BMI (Kg/m2),
6	Rabi 2017-18	Low keeping quality, , incidence of bacterial and fungal wilt	Assessment	Vegetable production	Tomato	Irrigated medium land	13	Assessment of tomato varieties BT-136	FP- Utkal Kumari TO1- BT-2 TO2- BT-136	OUAT	No. of fruits /plant, weight of the fruit, yield/plant, total yield, B:C Ratio
7	Rabi 2017-18	Small size tuber , low yield, low profit from local cultivar and low market demand	Assessment	Varietal evaluation	Potato	Irrigated medium land	13	Assessment of potato varieties	FP-Cultivation of Kufri Lalima TO1- Cultivation of Kufri khyati TO2- Kufri surya along with recommended package of practice, seed treatment with Azotobacter, Soil test based fertilizer, need based plant protection measures	CPRI, Shimla, 2006	No. of tubers/plant , tuber weight(g), no. of eyes/tuber, yield(q/ha), B:C ratio
8	Rabi 2017-18	Unavailability of labour and high wages of labour for digging groundnut	Assessment	Farm mechanization	Tractor drawn groundnut digger	Rainfed medium land	13	Assessment of performance of tractor drawn groundnut digger	FP- Manual digging TO1- bullock drawn groundnut digger TO2- tractor drawn groundnut digger	Commercial Tested at , C.A.E.T., O.U.A.T., 2014	Field capacity (ha/h), labour required for digging (man days/ha), Cost of digging(Rs /ha)
9	Rabi 2017-18	Low yield from P. Sajarcaju	Assessment	Income generation	mushroom	Home stead	13	Management and use of different	FP- Cultivation of P. Sajorcaju by using of paddy straw as substrate (SHG1)	AICRP on mushroom, CTMRT,OU	Pin head appearance (Days),

		during later part of winter						substrate in oyster mushroom cultivation	TO1- Cultivation of P. Sajarcaju by using Paddy straw as substrate+pasteurized sugarcane bagasse (50:50 basis) (SHG2) TO2- Cultivation of P. Sajarcaju by using Paddy straw as substrate +pasteurized banana leaves in (50:50 basis) (SHG3)	AT, 2013	Biological efficiency, average yield of different substrate, Yield(Kg/bed), Net income (Rs), B: C Ratio
10	Kharif 2017	Coconut dehusking is a drudgery prone activity	Assessment	Drudgery reduction	Coconut dehusker	Home stead	13	Assessment of coconut dehusker	FP-Manual dehusking TO1- Standing type coconut dehusker (OUAT) TO2- Sitting type coconut dehusker	OUAT, 2010	Dehusking capacity(nos/hr), heart rate (beat/min), Energy expenditure (Kj/min), Labour saving (%)

3. Frontline Demonstrations

Details of FLDs to be implemented during 2017-18

Sl.No	The mat ic area	Name of Crop/ Enterprise	Technology demonstrated	Source of technology	Details of technology	Observation parameteres
	IN M	Groundnut	Demonstration of herbicide Imizathapyr application in Groundnut (Soil test status)pH-5.5, EC(dsm-1)-0.018, O.C%-0.55,Avg N(kg/ha)-254,Avl P(kg/ha)-18,Avl.K-125	OUAT, 2012	FP:- Manual weeding Demo- Application of post emergence herbicide Imizathapyr 10% SL@0.075 kg/ha 20 DAS control of weed in groundnut	Yield q/ha, No of pods/plant, WUE, B.C. ratio

	IN M	Brinjal	Demonstration on Biofertilizer application in brinjal (Soil test status)pH-5.8, EC(dsm-1)-0.017, O.C%- 0.59,Avg N(kg/ha)-258,Avl P(kg/ha)-20,Avl.K-118	AINP on Biodiversity and biofertilizer, OUAT, 2010	FP:- Imbalance d and erratic use of chemical fertilizers and no applicatio n of biofertilize rs Demo- RDF+Bioi noculation Azotobact er, Azospirill um and PSB (1:1:1) @ 3+3+3 = 9 kg/ha mixed with prelimed (5%) FYM (1:25) under shade at 30% moisture for 7 days and applied at the time of planting with applicatio n of recommen ded dose of NPK as per soil test result	No. of fruits/ plant, Fruit yield per plant(gm), Fruit yield (q/ha) and B:C ratio
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	Far m mec hani zati on	paddy	Demonstration on tractor drawn multicrop seed cum fertilizer drill for sowing of paddy	Commercial tested at C.A.E.T., O.U.A.T., 2012	FP:- Broadcasting Demo- Eleven row multicrop seed cum fertilizer drill, drawn by more than 35 HP tractor, row to row spacing is adjustable, maintaining row to row spacing leads to easy inter cultural operation	Field capacity(ha/h), seed rate (kg/ha), seed saving (kg/ha), B:C
	Far m mec hani zati on	paddy	Demonstration on eight row Self propelled rice transplanter	Commercial tested at C.A.E.T., O.U.A.T., 2012	FP:- Manual transplanting Demo- Transplant paddy in 8 rows in a single pass . Average field capacity is 0.16 ha/h	Field capacity(ha/h),cost of operation(Rs/ha), labour required (mandays/ha), B:C

	LP M	poultry	Demonstration on supplementation of multienzyme mixture on growth of scavenging chicken	OUAT, 2010	FP:- Coloured poultry in scavenging mode Demo- Multi enzyme mixture @ of 0.5% of feed intake along with scavenging and 30gram feed supplementation	Body growth rate , monthly interval, dressing percentage, income generation out of marketing
	LP M	Duck	Demonstration on integrated farming technology using duck rearing along with fish pond	College of Fishery Science, Raha, Nagaon, Assam	FP:- Availability of less land space for poultry Demo- Integrated farming system of poultry, especially egg laying duck and fish pond for double benefit from same land space use	Yield, Net profit, BC ratio

	Value addition	groundnut	Demonstration on value addition in groundnut	Post Harvest Technology Deptt., CAET, 2008	FP:- Selling of groundnut (raw) Demo- Value addition of groundnut such as groundnut chiki, groundnut laddu	Shelf life, Net return, B:C ratio
	IN M	Groundnut	Demonstration of Boron + Sulphur application in Groundnut (Soil test status)pH-5.4, EC(dsm-1)-0.014, O.C%-0.61,Avl N(kg/ha)-261,Avl P(kg/ha)-19,Avl.K-120 B(ppm)-0.2	OUAT, 2010	FP:- No use of Boron and Sulphur in groundnut Demo- Sulphur@ 30kg/ha + two foliar spray of Boron 0.2% at flowering and 20 days after flowering stage with RDF as per soil test value.	Yield q/ha, No. of pods/plant, B.C.ratio

	Veg etab le cult ivat ion	Pointed gourd	Demonstration on pointed gourd var. Swarna Alaukik	CHES, Ranchi, 2002	FP:- Cultivatio n of local variety Gedi potala with traditional package of practices Demo- Cultivatio n of pointed gourd high yielding var. Swarna Alaukik, planting ratio- 9:1 (female :male) . Soil test based fertilizer applicatio n	No. of fruits/plant, vine length, wt. of individual fruit, fruit length, diameter, Yield/ha, B:C ratio
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	Veg etab le cult ivat ion	capsicum	Demonstration on capsicum var. California wonder	IARI, 2008	FP:- Local chilli cultivation Demo-Seed treatment with Ridomil MZ 2.5ml/lit of water, soil test based fertilizer application spacing 60cmX45cm with need based plant protection measures	No. of fruits/plant, Wt. of individual fruit, Yield/ha, B:C ratio
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	IN M	Marigold	Demonstration on INM in marigold (var. Serakole)	Ouat, 2006	<p>FP:-Seed sowing without seed treatment , imbalance d fertilizer applicatio n without bio-fertilizer</p> <p>Demo-Seed treatment with Azotobact or 25gm/kg of seed RDF(80:80:80) Kg NPK/ha, FYM 10 ton/ha +sea weed extract 25kg/ha</p>	No. of flowers/plant, flower wt. , diameter, keeping quality, yield/ha, B:C ratio
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	IN M	watermelon	Demonstration on integrated nutrient management in watermelon var .Arka Jyoti (hybrid)	IIHR, Bangalore, 2008	<p>FP:- Cultivation of Watermelon (Var -Arka Jyoti) with traditional package of practices</p> <p>Demo- Cultivation of watermelon hybrid var. Arka Jyoti with recommended package of practices 100:60:60 kg NPK/ha, spacing 2.5m X 1m, seed treatment with Azotobact or 25gm/kg of seed, neem oil cake 2.5qtl/ha, spraying of planofix @2.5ml/10 lit of water at 2-4 leaf stage, sea weed</p>	No. of fruits/plant, individual fruit wt., diameter of fruit, yield/ha, B:C ratio
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	Far m Me cha nisa tion	Combine harvester	Demonstration on use of track type combine harvester	Commercial, tested at C.A.E.T.,O.U.A.T., 2014	FP:- Harvesting by sickle and threshing by power thresher Demo- Harvesting and threshing is done at the same time, average field capacity 0.4 ha/hr	Field capacity(ha/hr),cost of operation(Rs/ha), Labour saving(mandays/ha)
	Far m Me cha nisa tion	Rotavator	Demonstration on rotavator for dry ploughing	Commercially tested C.A.E.T., O.U.A.T., 2012	FP:- Tractor drawn cultivator Demo- Drawn by more than 35 HP tractor, 4 feet wide	Field capacity(ha/h), Fuel consumption(lit/ha), cost of operation(Rs/ha), B:C. ratio
	LP M	Poultry	Demonstration of palisree breed rearing system	College of veterinary Science & AH, OUAT, BBSR 2016	FP:- Local bird Demo- Vaccination in proper time and feeding management leads to higher growth and egg laying capacity of bird	Body weight, dressing %, growth rate, mortality and egg laying capacity

	Income generation	Poultry	Demonstration on poultry rearing 'Rainbow rooster' in backyard .	Ouat, 2010	FP:- Rearing of local bird Demo- Rearing of dual purpose poultry bird "Rainbow rooster"	Body wt./month (kg); No. of eggs produced/year; B:C ratio
	Income generation	Mushroom	Demonstration of Oyster Mushroom variety <i>Hypsizygous ulmarius</i>	DMR Solan, 2008	FP:- Oyster Mushroom P.sajarcaju Demo- Cutting of straw into 2inch,soaking for 8-10 hr, and sterilization , spawning of mushroom bed	Yield, average fruit body size, Protein content % Net return, B.C Ratio
	Value addition	Mushroom	Demonstration on value addition in mushroom	Post Harvest Technology Deptt., CAET, 2008	FP:- Selling of groundnut (raw) Demo- Value addition of groundnut such as groundnut chiki, groundnut laddu	Shelf life, Net return, B:C ratio

CLUSTER DEMONSTRATION ON OIL SEED & PULSE

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				
							Demons	Check		SC	S T	OB C	Others	Total
Jajpur	ICM	Blackgram	Kharif, 2017	Cluster Demonstration on Blackgram var. PU-31	30 ha	PU-31	Yield q/ha, No of pods/plant, B.C.ratio	Yield q/ha, No of pods/plant, B.C.ratio	-	-	-	-	75	75
Jajpur	ICM	Groundnut	Kharif, 2017	Cluster Demonstration on Groundnut var. Devi	30 ha	Devi	Yield q/ha, No of pods/plant, B.C.ratio	Yield q/ha, No of pods/plant, B.C.ratio	-	-	-	-	75	75
Jajpur	ICM	Greengram	Rabi, 2017-18	Cluster Demonstration on improved management practices of green gram variety IPM 02-03	30 ha	IPM 02-03	Yield q/ha, No of pods/plant, B.C.ratio	Yield q/ha, No of pods/plant, B.C.ratio	-	-	-	-	70	70
Jajpur	ICM	Groundnut	Rabi, 2017-18	Cluster Demonstration on improved management practices of groundnut variety Devi	30 ha	Devi	Yield q/ha, No of pods/plant, B.C.ratio	Yield q/ha, No of pods/plant, B.C.ratio	-	-	-	-	70	70
Jajpur	ICM	Mustard	Rabi, 2017-18	Cluster Demonstration on mustard var. M-27	20 ha	M-27	Yield q/ha, oil content%, B:C ratio	Yield q/ha, oil content %, B:C ratio	-	-	-	-	50	50

Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Jajpur	Groundnut	Field days	1	20	
		Farmers Training	2	75	
		Media coverage	1	500	
		Training for extension functionaries	1	15	
Jajpur	paddy	Field days	1	20	
		Farmers Training	2	50	
		Media coverage	1	500	
		Training for extension functionaries	1	15	
Jajpur	Brinjal	Field days	1	20	
		Farmers Training	1	25	
		Media coverage	1		
		Training for extension functionaries	1	15	
Jajpur	Marigold	Field days	1	20	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Jajpur	capsicum	Field days	1	20	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Jajpur	pointedgourd	Field days	1	20	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Jajpur	Seed cum fertilizer drill	Field days	1	20	
		Farmers Training	1	25	

		Media coverage			
		Training for extension functionaries			
Jajpur	Combine harvester	Field days	1	20	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Jajpur	Rotavator	Field days	1	20	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Jajpur	Poultry	Field days	1	20	
		Farmers Training	1	25	
		Media coverage			
		Training for extension functionaries			
Jajpur	Mushroom	Field days	2	30	
		Farmers Training	2	25	
		Media coverage	1	200	
		Training for extension functionaries			

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	CapacityBuilding and Group Dynamics
AGF	Agro-forestry
OTH	Others
RY	Rural Youth
IS	Extension Personnel

5. TRAINING PROGRAMMES

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	M	F
1	2	3	4	5	7	8		9	10	11	12	13		
Jajpur	FW	OFC	SFM	INM in paddy	1	1	25	20		-	5	-	-	-
Jajpur	FW	OFC	SFM	Boron application in rice	1	1	25	20		5	-	-	-	-
Jajpur	FW	OFC	SFM	INM in potato	1	1	25	19			4		2	
Jajpur	FW	OFC	SFM	Micronutrient deficiency and its control measures in vegetables.	1	1	25	18	3	2	-	1	1	-
Jajpur	FW	OFC	SFM	Bio-fertilizer application in blackgram	1	1	25	20	4	-	-	1	-	-
Jajpur	FW	OFC	SFM	Green & Brown Manuring in paddy	1	1	25	20		2	2	-	1	-
Jajpur	FW	OFC	SFM	Micronutrient deficiency & its control measures in groundnut.	1	1	25	21	1	1		2	-	-
Jajpur	FW	OFC	SFM	Technique of soil sample collection.	1	1	25	17		6		2	-	-
Jajpur	FW	OFC	SFM	Problematic soil & its management practices.	1	1	25	20		-	5	-	-	-
Jajpur	FW	OFC	SFM	Nitrogen management in paddy	1	1	25	20		5	-	-	-	-
Jajpur	FW	OFC	SFM	Herbicide application in oilseed crops	1	1	25	20	-	5	-	-	-	-
Jajpur	FW	OFC	SFM	Technique of soil sample collection	1	1	25	20	-	5	-	-	-	-
Jajpur	FW	OFC	SFM	Acid soil management	1	1	25	20	-	-	5	-	-	-
Jajpur	FW	OFC	SFM	INM pulse	1	1	25	20		5	-	-	-	-
Jajpur	FW	OFC	SFM	Fertiliser recommendation on the	1	1	25	20	-	5	-	-	-	-

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participant	Participants						
								General		SC		ST		Others
								M	F	M	F	M	M	F
1	2	3	4	5	7	8	9	10	11	12	13			
				basis of soil test result										
Jajpur	FW	OFC	SFM	Chemical weed control in paddy.	1	1	25	20	3	-	2	-	-	-
Jajpur	FW	OFC	HOV	Production technique of pointed gourd	1	1	25	20	1	-	4	-	-	-
Jajpur	FW	OFC	HOV	Bio-fertilizer application in brinjal	1	1	25	20	-	5	-	-	-	-
Jajpur	FW	OFC	HOV	Cultivation technique of papaya	1	1	25	19	2	2	-	-	2	-
Jajpur	FW	OFC	HOV	Cultivation technique of T.C Banana	1	1	25	19	2	2	-	-	2	-
Jajpur	FW	OFC	HOV	Production technique of capsicum	1	1	25	20	3	-	2	-	-	-
Jajpur	FW	OFC	HOV	Measure diseases of solanaceous crops & its control measure	1	1	25	20	3	2	-	-	-	-
Jajpur	FW	ONC	HOV	Production technique of tomato	1	1	25	19	1	-	5	-	-	-
Jajpur	FW	ONC	HOV	Production technique of vermicompost	1	1	25	20	1	4	-	-	-	-
Jajpur	FW	OFC	HOV	Importance of hybrids in vegetable cultivation	1	1	25	20	2	-	3	-	-	-
Jajpur	FW	ONC	HOV	Micronutrient deficiency in vegetables and their control measure	1	1	25	21	1	-	3	-	-	-
Jajpur	FW	OFC	HOV	Improved method of seedling production technique	1	1	25	20		-	2	-	2	1
Jajpur	FW	OFC	HOV	Advantage of organic manure in vegetable production	1	1	25	20	1		4	-	-	-
Jajpur	FW	ONC	HOO	Integrated nutrient management in marigold	1	1	25	20	2		2	-	-	1

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participant	Participants						
								General		SC		ST		Others
								M	F	M	F	M	M	F
1	2	3	4	5	7	8		9	10	11	12	13		
Jajpur	FW	OFC	HOV	Integrated nutrient management in cucurbits	1	1	25	20	-	5	-	-	-	-
Jajpur	FW	OFC	HOT	Production technique of potato	1	1	25	19		2	2	-	1	1
Jajpur	FW	OFC	HOV	Production technique of cole crop	1	1	25	18	3	2	-	-	1	1
Jajpur	FW	OFC	AEG	Use and Importance of drip irrigation system for fruit and vegetable cultivation	1	1	25	18	2	-	5	-	-	-
Jajpur	FW	OFC	AEG	Use of multicrop seed cum fertilizer drill	1	1	25	18	-	2	-	-	5	-
Jajpur	FW	OFC	AEG	Use of different bullock drawn implements	1	1	25	17	-	3	-	-	5	-
Jajpur	FW	OFC	AEG	Use of sprinkler irrigation for field crop	1	1	25	18	2	-	5	-		-
Jajpur	FW	OFC	AEG	Use of different small implements for farm women	1	1	25	17	2	-	5	-	1	-
Jajpur	FW	OFC	AEG	Use of different weeders in paddy	1	1	25	18	2	5	-	-	-	-
Jajpur	FW	OFC	AEG	Use of mulching in horticulture crops	1	1	25	15	2	-	3	-	5	-
Jajpur	FW	OFC	AEG	Use of rotavator for field preparation	1	1	25	20	-	4	-	-		1
Jajpur	FW	OFC	AEG	Utility of seed cum fertilizer drill	1	1	25	20	-	-	5	-	-	-
Jajpur	FW	OFC	AEG	Care and safety measures during operation of implements	1	1	25	15	5	2	-	-	3	-
Jajpur	FW	OFC	AEG	Dal mill and its utility	1	1	25	15	-	5	-	-	5	-
Jajpur	FW	OFC	AEG	Implements used for groundnut harvesting	1	1	25	20	-	5	-	-	-	-
Jajpur	FW	OFC	AEG	Use of self propelled	1	1	25	15	-	5	-	-	5	-

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participant	Participants						
								General		SC		ST		Others
								M	F	M	F	M	M	F
1	2	3	4	5	7	8		9	10	11	12	13		
				rice transplanter										
Jajpur	FW	OFC	AEG	Use of axial flow thresher for threshing paddy	1	1	25	14	-	6	-	-	5	-
Jajpur	FW	OFC	AEG	Use of combine harvester	1	1	25	13	-	5	1	-	6	-
Jajpur	FW	OFC	AEG	Use of groundnut thresher	1	1	25	20		--	5	-	-	-
Jajpur	FW	OFC	LPM	Quail husbandary	1	1	25	8	2	2	1	2	9	1
Jajpur	FW	OFC	LPM	Different cooling system in livestock for summer	1	1	25	9	2	2	0	2	9	1
Jajpur	FW	OFC	LPM	Goat husbandary and economics	1	1	25	9	2	2	0	2	9	1
Jajpur	FW	OFC	LPM	Beneficial milk products and by-products	2	1	25	9	1	2	0	2	10	1
Jajpur	FW	OFC	LPM	Duck husbandary and its economical benefits	2	1	25	9	1	2	0	2	10	1
Jajpur	FW	OFC	LPM	Herbal ingredients use in different diseases of livestock population	2	1	25	9	1	2	0	2	10	1
Jajpur	FW	OFC	LPM	Simple preparation for nutritious feeding to livestock population	2	1	25	9	1	2	0	2	10	1
Jajpur	FW	OFC	LPM	Meat value addition meat by product preparation technology	2	1	25	9	1	2	0	2	10	1
Jajpur	FW	OFC	LPM	Routine veterinary intervention required for animal husbandry awareness for farmer & farm women	2	1	25	9	1	2	0	2	10	1
Jajpur	FW	OFC	LPM	Different techniques to alleviate female	1	1	25	8	2	1	0	3	10	1

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participant	Participants						
								General		SC		ST		Others
								M	F	M	F	M	M	F
1	2	3	4	5	7	8		9	10	11	12	13		
				infertility in livestock										
Jajpur	FW	OFC	LPM	Fodder cultivation	1	1	25	10	1	1	0	3	9	1
Jajpur	FW	OFC	LPM	Integrated farming system and its benefits	1	1	25	8	2	0	0	2	10	1
Jajpur	FW	OFC	LPM	Gestation and parturition related diseases and its treatments in livestock	1	1	25	8	2	1	0	3	10	1
Jajpur	FW	OFC	LPM	Benefit of agricultural by-product and different organic waste in animal nutrition	1	1	25	24	-	1	-	-	-	-
Jajpur	FW	OFC	LPM	Preparation of instant Ice cream for entrepreneurship	1	1	25	25	-	-	-	-	-	-
Jajpur	FW	OFC	LPM	Different herbal ingredient used in prevention and cure of livestock disease	1	1	25	23	-	2	-	-	-	-
Jajpur	FW	OFC	WOE	Preparation of ready to use mixes	1	1	25		15	-	6	-	4	-
Jajpur	FW	OFC	WOE	Preparation of mango RTS squash	1	1	25		16	-	5	-	4	-
Jajpur	FW	OFC	WOE	Preparation of chips from colocasia & potato	1	1	25		12	-	8	-	5	-
Jajpur	FW	OFC	WOE	Preparation of low cost weaning mix from cereals & pulse	1	1	25		16	-	5	-	4	-
Jajpur	FW	OFC	WOE	Care & management practices in backyard poultry rearing	1	1	25		18	-	3	-	4	-

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participant	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	M	F	
1	2	3	4	5	7	8		9	10	11	12	13			
Jajpur	FW	OFC	WOE	Use of women friendly implements in groundnut cultivation.	1	1	25		15	-	5	-		5	-
Jajpur	FW	OFC	WOE	Cultivation of paddy straw mushroom	1	1	25		16	-	5	-		4	-
Jajpur	FW	OFC	WOE	Preparation of tomato concentrate & mix vegetable pickle	1	1	25	-	18		2	-		-	5
Jajpur	FW	OFC	WOE	Oyster mushroom cultivation	1	1	25		20	-	5	-		-	-
Jajpur	FW	OFC	WOE	Weeding operations of vegetables by using small garden tools	1	1	25	-	19	-	2	-		-	3
Jajpur	FW	OFC	WOE	Preparation of low cost nutritious recipe from cereal & pulses	1	1	25	-	20	-	3	-		-	2
Jajpur	FW	OFC	WOE	Planning, layout and development of nutritional garden	1	1	25	-	20	-	4	-		-	1
Jajpur	FW	ONC	WOE	Value addition in lemon & guava	1	1	25	-	20	-	4	-		-	1
Jajpur	FW	OFC	WOE	Value addition of groundnut such as chiki, ladu and groundnut milk	1	1	25		15		2				7
Jajpur	FW	ONC	WOE	Storage of pulses by different method	1	1	25		14	-	7			-	-
Jajpur	FW	ONC	WOE	Off season mushroom cultivation in poly house	1	1	25	-	15	-	6	-		-	-
Jajpur	IS	ONC	SFM	Management of problematic soil	1	1	25	24	-	-	-	-		1	
Jajpur	IS	ONC	SFM	Use of soil test kit	1	1	25	24	-	-	-	-		1	
Jajpur	IS	ONC	HOV	Hi-tech horticulture	1	1	25	20	2	-	-	-		-	2

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participant	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	M	F	
1	2	3	4	5	7	8	9	10	11	12	13				
Jajpur	IS	ONC	HOT	Orchard management practices	1	1	25	-	24	-	-	-	-	3	
Jajpur	IS	ONC	LPM	Reproductive disorders and recent advance treatment procedure	1	1	25	22	2	-	1	-	-	-	
Jajpur	IS	ONC	LPM	Advancement in clinical technology to augment reproductive capability of livestock	1	1	25	21	3	-	1	-	-	-	
Jajpur	IS	ONC	AEG	Use of different improved machinery for rice cultivation	1	1	25	20	2	-	-	1	1	1	
Jajpur	IS	ONC	AEG	Use and importance of sprinkler irrigation for field crops	1	1	25	20	-	-	-	-	5	-	
Jajpur	IS	ONC	WOE	Preparation of Nutri guide for different age groups.	1	1	25	-	20	-	-	-	-	5	
Jajpur	IS	ONC	WOE	Use of women friendly implements for reducing drudgery of farm women	1	1	25	-	22	-	-	-	-	3	

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

Name of KVK	Training title	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries				
				SC		ST	Others	
				M	F	F	M	F
Jajpur	Quality vermicompost production technique	Income generation	4	2	-	-	13	-
Jajpur	Soil sample collection technique	Soil fertility management	4	1	2	-	12	-
Jajpur	Phospho sulpho Nitro compost production technique	Soil fertility management	4	-	-	2	13	-
Jajpur	Production technique of commercial flower	Cultivation technology	4	2	2	-	11	-

Jajpur	Planting material production techniques	Planting material production	4	-	-	-	13	2
Jajpur	Nursery raising technique	Vegetable production	4	2	-	-	10	3
Jajpur	Skill in mat type nursery raising	Farm mechanization	4	-	-	-	12	3
Jajpur	Operation and maintenance of tractor	Farm mechanization	4	1	-	-	12	-
Jajpur	Operating skills in tractor drawn axial flow thresher	Farm mechanization	4	-	-	-	15	-
Jajpur	Ornamental fish rearing	Fish production management	4	4	-	-	11	-
Jajpur	Fish silage preparation technology demonstration to enhance poultry nutrition	Income generation	4	2	-	-	13	-
Jajpur	Undervalued organic products processing for low cost animal feeding demonstration	Income generation	4	2	-	-	13	-
Jajpur	Azolla Cultivation in Sialopolythene tarpolene pond	Livestock production management	4	2	-	-	10	1
Jajpur	Mushroom Spawn production technique	Income generation	4		3	-		12
Jajpur	Value addition in jute	Value addition	4		2	3		10
Jajpur	Value addition in milk	Value addition	4		2	2		11

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of participants
Field Day	20	500
Kisan Mela	2	500
Kisan Ghosthi	15	360
Exhibition	5	500
Film Show	100	2250
Method Demonstrations	25	375
Farmers Seminar	5	100
Workshop	5	95
Group meetings	25	350
Lectures delivered as resource persons	20	2020
Newspaper coverage	20	-

Radio talks	20	-
Tv Talks	55	-
Popular Articles	20	525
Extension Literature	15	500
Farm Advisory Services	365	452
Scientific visit to farmers field	420	332
Farmers Visit to KVK	845	940
Diagnostic Visits	65	2950
Exposure Visits	2	100
Ex-trainees Sammelan	2	75
Soil Health Camp	2	150
Animal Health Camp	2	200
Technological week celebration	7	450
Soil Test Campaigns	3	150
Farm Science Club conveners meet	5	125
Self Help Group conveners meetings	3	150

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	V a r i e t y	Type of produce (for Seed produced type hereSD; For Planting Material type herePM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
	Cereals	Paddy	M a n d a k i n i	FS	70 qtl.	FS		
Jajpur	Cereals	Paddy	P o o j a	FS	225 qtl.	FS		

KVK Name	Major group/class	Crop	V a r i e t y	Type of produce (for Seed produced type hereSD; For Planting Material type herePM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Jajpur	Pulses	Greengram	I P M - 0 2 - 0 3	CS	6 qtl.	CS		

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	Approx Gross income	
Jajpur	vegetable	Onion	Last week of Sept.	1 st week of Nov		Agri found light red	seedling	70000	6000		
Jajpur	vegetable	Brijal	1 st week of Aug	1 st week of Sept		H-13 22	seedling	5000	1500		
Jajpur	vegetable	Capicum	1 st week of Sept	2 nd week of Oct		California wonder	seedling	15000	6000		
Jajpur	vegetable	Tomato	1 st week of Oct	1 st week of Nov		Chiranjibi	seedling	2000	600		
Jajpur	vegetable	Cauliflower	1 st week of Oct	1 st week of Nov		White	seedling				

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

KVK Name	Name of the Product	Amount (Rs.)	
		Qty	Gross income
Jajpur	BIOAGENTS		
Jajpur	BIOFERTILIZERS(vermin compost)	30 qtl	15000
Jajpur	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	
Jajpur	Poultry	Colour bird	chicks	5000bird	1,40,000/-		
Jajpur	Fisheries	IMC	Fish	4 qtl.	25,000/-		
Jajpur	Others (Specify)	Mushroom	Paddy straw Mushroom(V.volvacea)	1qtl	5000/-		
Jajpur			Oyster Mushroom (P. Sajarcaju)	3 qtl	5000/-		
Jajpur		Mushroom spawn		2000bottle	20000		

8. Activities of Soil and Water Testing Laboratory

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

Year of establishment : - June, 2013

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
Jajpur	Soil Sample	1000	1500	10		
Jajpur	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
Jajpur	-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries	Major recommendations
Jajpur	48	23000	Ext. Pers.

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Jajpur	20.07.2017	30	
Jajpur	15.12.2017	30	

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
Jajpur	Aprl -17-June17	Qtr	500	
Jajpur	July-17-sept17	Qtr	500	
Jajpur	Oct-17-Dec17	Qtr	500	
Jajpur	Jan-18-Mar18	Qtr	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
Jajpur	DVD	Celebration of World Food Day	1
Jajpur	DVD	Clebration of World Soil Day	1
Jajpur	DVD	Awarness programme on PPV & FRA	1

12.3 PUBLICATIONS

Category	Date of start	Number of copies to be printed	Number of copies to be distributed
Research Paper	Type <td>Author's name</td> <td>Number of copies</td>	Author's name	Number of copies
Technical bulletins			
Technical reports			
Popular article			
News paper coverage			
Year Planner			
Others (pl. specify)			

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

KVK Name	Name of scheme	Name of Agency (Central/state)	F u n d s r e c e i v e d (R s.)	Activities organized	Operational Area	Remarks
Jajpur	ATMA					
	MNREGA					
	NHM					
	RKVY					
	DRDA					
	Zila Panchyat					
	Seed Village					
	NAIP					
	Climate Change					
	Others (Plz. Specify)					

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)
Jajpur							

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
Jajpur	2011	2011	2	NiL	Quarters are damaged

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)
	Crop Cafeteria	
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

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				

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

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Jajpur	8	10	45	39

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.	NRRI-Cuttack		

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Jajpur			

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	JAJPUR	10.05.2011	22	235

24. Status of RTI

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

25. E-CONNECTIVITY (ERNET Lab) - NA

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			
Jajpur							

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

		vitie s		
Jajpur	Gosthies	3	150	
Jajpur	Lectures organized	4	100	
Jajpur	Exhibition	5	100	
Jajpur	Film show	20	300	
Jajpur	Farm Visit	400	-	
Jajpur	Diagnostic Practical's	16	400	
Jajpur	Distribution of Literature (No.)	500	280	
Jajpur	Distribution of Seed (q)	-	-	
Jajpur	Distribution of Planting materials (No.)	2	400	
Jajpur	Bio Product distribution (Kg)	-	-	
Jajpur	Bio Fertilizers (q)	-	-	
Jajpur	Distribution of fingerlings (No)	-	-	
Jajpur	Distribution of Livestock specimen (No.)	-	-	
Jajpur	Total number of farmers visited the technology week	-	500	

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
		Oilseeds		
		Pulses		
		Cereals		
		Vegetable crops		
		Tuber		

		crops		
		Fruits		
		Spices		
		Cotton		
		Total		

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
		Dairy Management		
		Disease management		
		Feed and fodder technology		
		Poultry management		

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Number of farmers

Seedlings and Saplings to be distributed

Name of KVK	Crops	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

Vermis Produced

Name of KVK	Vermis 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			Exhibition	Film show					
	No.	No. of farmers	No.	No. of farmers	No.		No. of farmers	No.	No. of farmers	No.	No. of farmers	

28. Proposal of NICRA - NA

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

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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.)
Jajpur	32039806804	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
1	Jajpur	2	-

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)