

ANNUAL PROGRESS REPORT

April 2018 to March 2019

**KRISHI VIGYAN KENDRA,
JAJPUR**



OUAT, BHUBANESWAR



PROFORMA FOR ANNUAL REPORT 2018-19 (April 2018 to March 2019)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Jajpur PO: Barchana, Dist.: Jajpur (Odisha), PIN - 754296	Ph.: 06725- 226005		jajpurkvk@yahoo.co.in kvkjajpur.ouat@gmail.com

1.2. Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology, Bhubaneswar- 751003	0674- 2397362	9937563162	deanextensionouat@yahoo.com deanextension_ouat@rediffmail.com

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. (Mrs.) Tilottama Pattnaik	Krishi Vigyan Kendra, Jajpur PO: Barchana Dist.: Jajpur (Odisha),	7504471699	jajpurkvk@yahoo.co.in

1.4. Year of sanction of KVK: 2002

1.5. Staff Position (as on 1st April, 2018)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist& Head	Dr.(Mrs) TilottamaPattnaik	Home Science	Home Science	37400-67000 Rs. 69,580	20.06.2012	Permanent	Others
2	Subject Matter Specialist	Mrs. Babita Mishra	Horticulture	Horticulture	15,600-39,100 Rs. 30,850/-	13.08.2014	Contractual	Others
3	Subject Matter Specialist	Mr. Lalita Ku. Mohanty	Agronomy	Agronomy	15,600-39,100 Rs. 31,780/-	12.06.2018	Contractual	Others
4	Subject Matter Specialist	Mr. Subrata Ku. Panigrahi	Agril. Extension	Agril. Extension	15,600-39,100 Rs. 31,780/-	21.05.2018	Contractual	Others
5	Subject Matter Specialist	Dr.(Mrs.)BijayalaxmiMohanta	Ag.Engg	Ag.Engg	15,600-39,100 Rs. 28,220/-	12.04.2012	Contractual	Others
6	Subject Matter Specialist	Mr. Subhasis Dash	Soil Science	Soil Science	15,600-39,100 Rs.28,220/-	11.06.2013	Contractual	Others
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8	Programme Assistant	Mr. Siba Prasad Mishra	Horticulture	Horticulture	9,300-34,800 Rs.20,630/-	08.02.2019	Contractual	Others
9	Computer Programmer	Mrs. Sangita Panda	Computer	Computer	9,300-34,800 Rs.18,730/-	02.09.2014	Contractual	Others
10	Farm Manager	Mr. BipraCharan Swain	Agronomy	Agronomy	9,300-34,800 Rs.16,630/-	27.07.2013	Contractual	Others
11	Accountant / Superintendent	Vacant						
12	Stenographer	Mr. TruptiRanjanBarik	Steno	Steno	5,200-20,200 Rs.10,890/-	29.06.2012	Contractual	Others
13	Driver	Mr. Pravat Ku. Naik	-	-	5,200-20,200 Rs.9,870/-	5.11.2015	Contractual	Others
14	Driver	MamtazAlli Khan	-	-	5,200-20,200 Rs.9,300/-	08.07.2013	Contractual	Others
15	Supporting staff	Mr. Lachhaman Swain	-	-	4,440-14,680 Rs.8,240/-	27.09.2013	Contractual	Others
16	Supporting staff	Sri BhagiraDalei	-	-	4,440-14,680 Rs.7,770/-	08.07.2014	Contractual	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.051
2.	Under Demonstration Units	0.8373
3.	Under Crops	6.5
4.	Orchard/Agro-forestry	2
5.	Farming system	0.07
	Godown	0.0016
	Farmer hostel	0.045
	Threshing floor	0.077
	seed testing lab	0.4
	Total	9.98

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	-	-	-	-	-	510	Use	ICAR
2.	Farmers Hostel	-	-	-	-	-	450	Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	-	-	-	-
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing								
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	770	Use	ICAR
8	Farm godown	-	-	-	-	-	126	Use	ICAR

9.	Dairy unit	-	-	-	-	-	-	-	-
10.	Poultry unit	-	-	-	-	-	69	Use	ICAR
11.	Goatary unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	-	-	-	-
13.	Mushroom production unit	-	-	-	-	-	-	-	-
14.	Shade house	-	-	-	-	-	-	--	-
15.	Soil test Lab	-	-	-	-	-	-	-	-
16.	Seed grader						64	Use	RKVY

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
TATA SUMO	Purchased on 23.04.2005	3,71,922	1,95,000 km	condemned on 28.11.2017
Tractor	Purchased on 31.03.2005	3,74,233	2425hr	Functioning
Motor Cycle	Purchased on 31.03.2011	50,000/-	12,000km	Functioning

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Nitrogen analyzer	2010-11	4,26,000	Working	ICAR
PH meter	2010-11	9,898	Working	ICAR
Hot were oven	2010-11	13,200	Working	ICAR
Spectro photo meter	2010-11	2,96,888	Working	ICAR
EC	2010-11	30,000	Working	ICAR

Flame photometer	2010-11	35,600	Working	ICAR
Auto clave	2010-11	62,000	Working	RKVY
Laminar Air flow	2010-11	49,000	Working	RKVY
Hot Air oven	2010-11	15,000	Working	RKVY
Electronic Balance	2010-11	21,000	Working	ICAR
Stabilizer	2013-14	19,860	Working	Contingency
Rotary flask shaker	2013-14	41,000	Working	Contingency
Flame photometer	2013-14	850	Working	Contingency
Quartzcuvette	2013-14	9,450	Working	Contingency
Mini Soil kit	2016-17	1,50,000	Working	ICAR
Moisture meter	2017-18			
b. Farm machinery				
MB Plough	2012-13	26,000	Working	RF
Nine tin Cultivator	2012-13	20,500	Working	RF
Nineteen seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land leveller	2015-16	14,000	Working	ICAR
c. AV Aids				
Laptop	2008-09	50,000	Working	ICAR
Honda Generator	2010-11	50,000	Working	ICAR
Digital Camera	2011-12	20,000	Working	ICAR
HP printer	2011-12	8000	Working	ICAR
Public address system	2011-12	25,000	Working	ICAR
Printer cum Xerox	2015-16	50,000	Working	ICAR
Laptop	2016-17	50,000	Working	ICAR
Desktop Computer	2016-17	50,000	Working	ICAR
Printer Cum Xerox	2016-17	15000	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough	2012-13	26,000	Working	RF
Nine tin Cultivator	2012-13	20,500	Working	RF

Nineteen seed cum fertilizer drill	2015-16	45,000/-	Working	ICAR
Axial flow thresher	2015-16	1,41,000	Working	ICAR
Land leveller	2015-16	14,000	Working	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	11.09.2018	18	The house recommended for exposure visit of farmers to the successful farmers field	In vocational training programme on “planting material production technique” for Rural youth which was conducted from 28.11.17 to 1.12.17, an exposure visit was conducted at Vatika Nursery of Dharmasala block, Kalinga nursery of Rasulpur block and Darpani farm of Barchana block where they learnt grafting and budding technique. Under ASCI Sponsored skill training on “Tractor Operator” an exposure visit has been conducted for 20 nos. of RY trainees to village-Solapata, Block- Dasarathpur, Dist- Jajpur on 27.03.2018.	
2.			Cucurbitaceous crop and flower cultivation must be given more importance for doubling farmer's income	For doubling Farmers income demonstration on cucurbitaceous crop like pointed gourd var. SwarnaAlaukik has been conducted in adopted village- Khadipada of Jajpur block for 5 no. of farmers. Farmers got an yield of 220 qtl/ha against farmers practice 178.2 qtl/ha. In 2018-19 demonstration on pointed gourd cultivation var. ArkaNilachalKirti in Rabi 2018-19 will be	

				conducted.	
3			Importance must be given on integrated farming system, crop diversification, fruit cultivation	Demonstration unit on IFS has been developed in KVK campus in which 120 nos. of tissue culture banana plants has been planted on pond dyke. Poultry, duckery, goatery and pisciculture unit has been developed. Mr. Bibhudata Samal of village Sananoonpur, block-Jajpur has awarded at ICAR-RCER, Patna on 22.02.2018 for IFS. Training on IFS included in Action plan of 2018-19 and demonstration will be conducted in village- Jari of Binjharpur block, Vill- Hatakaranda of Barchana block.	
4			Off season cultivation of vegetable and high value crops like broccoli and capsicum should be popularized among farmers.	Training for 25 nos. of farmers on 25.01.2018 as well as demonstration on capsicum var. California wonder has been conducted for 5 nos. of farmers in Rabi, 2017-18 in village- Khadipada, Dihakuransa for increasing farmers income. Farmers got an yield of 100.5 qtl/ha against FP 86.7 qtl/ha (chilli). In-service training programme on high value crop cultivation like capsicum, broccoli included in Horticulture action plan of 2018-19.	
5			To encourage mushroom cultivation in polyhouse	One training programme on “Off season mushroom cultivation in polyhouse” has been proposed for 25 nos. of farmers during the year 2018-19. It will be conducted in the month of December.	
6			Importance must be given for	Training on planning, layout & development of	

			awareness programme on malnutrition& planting of papaya, banana & drumstick in nutritional garden	nutritional garden was conducted in Sunsilo village, Block- Sukinda on 19.08.17 for 25 nos. of farm women. Demonstration on nutritional garden conducted in village- Sunsilo, Block- Sukinda for 15 nos. of farm women. Demonstration & training on Nutritional garden will be conducted during the month of October, 2018.	
7			To provide simple technologies regarding farm mechanization addressing farmers problem	Training programme on “use of different weeder(mandua, cono, and power paddy weeder” has been conducted in village- Dihakuransa Block- Rasulpur on 11.08.17 for 25 nos. of farmers andvill- Sansilo, Block- Sukinda on 25.08.2018 for 25 nos. of farmers. On training programme on “Use of different small implements (groundnut stripper, groundnut decorticator) for farm women in village- Krushnapada Block- Rasulpur on 30.11.2017 for 25 nos. of farm women. In OFT programme, assessment of different paddy transplanting method in medium land situation, transplanting of paddy was conducted by manual ricetranspalnter in vill- Choromuha, Block- Dharmasala on 18.08.2018. OFT on use of bullock drawn groundnut digger has been conducted in vill- Dihakuransa on 31.03.2018	
8			Use of Azolla as poultry feed	One vocational training on Azolla Cultivation in Sialopolythenetarpolene pond has been conducted	

				from 29.01.2018 to 1.2. 2018 for 15 nos. of farmers	
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** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2018-19)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy
2	Agro-climatic Zone	North Easter Coastal plain Zone mid central table land zone
3	Agro ecological situation	Low lying flood prone Saline Soil Red Laterite Rainfed Alluvial Rainfed River vally alluvial medium rainfall Light laterite (High rainfall)
4	Soil type	Alluvial, Saline soil Alluvial, Alluvial Red Laterite, Red Laterite Alluvial, Red Laterite
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-28.36qtl/ha, Groundnut-15.95qtl/ha Green gram-3.15qtl/ha
6	Mean yearly temperature, rainfall, humidity of the district	Average rainfall-1246.8mm Min yearly temperature -28.5 ⁰

		Average humidity-84-87%
7	Production of major livestock products like milk, egg, meat etc.	Milk-78.92 milk TMT, Egg-334.93 lakh egg Meat-1099.97 MT

Note: Please give recent data only

2.b. Details of operational area / villages (2018-19)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1		Rasulpur	Dihakuransa	Paddy, groundnut Vegetables	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Micronutrients deficiency in groundnut Deterioration of existing varieties use by the farmers in field and horticultural crops. Scarcity of labour	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Micronutrient application in groundnut Varietals substitution in field and horticultural crops. Farm mechanisaiton
2		Binjharpur	Jari	Paddy Poultry	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Lack of knowledge on improved breed.	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Enterepreneurship development in poultry

3		Dharmasala	Choromuha	Paddy Greengram Vegetable	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops.	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops.
4		Jajpur	Khadipada	Paddy Greengram Vegetables Duckery	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Deterioration of existing varieties use by the farmers in field and horticultural crops Unemployment problem of rural youth Scarcity of labour	Improved crop management practices in cereals, Pulses, vegetables and cash crops. Varietals substitution in field and horticultural crops Enreprenurship development poultry, duckery Farm mechanisaiton
5		Sukinda	Sansailo	Paddy Goatery Mushroom	Lack of proper crop management practice in field, vegetable and pulses and other cash crops Local breed farming gives low farm income Unemployment problem of rural youth	Improved crop management practices in cereals, Pulses, vegetables and cash crops Entrepreneurship development ingoatary, mushroom.

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2018-19) for its development and action plan

Name of village	Block	Action taken for development
Dihakuransa	Rasulpur	• Farmers club formation, SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation • Vermi-compost pits,
Choromuha	Dharamasala	• Farmers club formation, SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Enreprenurship development in poultry, duckery and mushroom cultivation • Vermi-compost pits,
Khadipada	Jajpur	• Farmers club formation, SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Entrepreneurship development in poultry, duckery and mushroom

		cultivation • Vermi-compost pits,
Sunsilo	Sukinda	• Farmers club formation, SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Varietals substitution in field and horticultural crops • Farm mechanisation • Entrepreneurship development in poultry, duckery and mushroom cultivation • Vermi-compost pits,
Jari	Binjharpur	• Farmers club formation, SHGs formation. • Improved crop management practices in cereals, Pulses, vegetables and cash crops. • Farm mechanisation • Entrepreneurship development in poultry, duckery and mushroom cultivation • Vermi-compost pits,

2.1 Priority thrust areas

S. No	Thrust area
1.	Varietal substitution in field and horticultural crops.
2.	Off-season vegetable cultivation.
3.	Popularization of energy rich, high value and cash crops.
4.	Commercial cultivation of fruit, flowers, medicinal and aromatic crops.
5.	Production of quality seed and planting materials in different major crops of the district.
6.	Improved crop management practices in cereals, pulses, vegetables and cash crops.
7.	Post harvest technology and value addition of cereals, pulses, oil seeds, vegetables and fruits.
8.	Farm resource management.

9.	Insect pest disease management.
10.	Drudgery reduction through use of farm implements.
11.	Creating avenues for self-employment through entrepreneurship development.
12.	Family food and nutritional security.
13.	Production and management of organic input.
14.	Farm mechanization
15.	Soil and water conservation.
16.	Disaster management
17.	Protected cultivation and precession farming.
18.	Poultry, duckery, goatery and dairy farming.
19.	Fresh water aquaculture

3. TECHNICAL ACHIEVEMENTS

3.A.Details of target and achievement of mandatory activities by KVK during the year

OFT												FLD													
No. of technologies tested:												No. of technologies demonstrated:													
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers											
Target	Achievement	Target	Achievement										Targe t	Achievement	Target	Achievement									
			SC		ST		Others		Total						SC		ST		Others		Total				
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T		
10	8	130	8	2	-	-	60	11	68	13	81	20	20	153	2	52	-	-	94	5	96	57	153		

Training				Extension activities			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement

			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
53	53	1255	44	250	-	-	938	280	23		1255	2551	2430	4420	34	12	-	-	3671	523			4240

Impact of capacity building										Impact of Extension activities											
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
8	3	2				21	12	21	14	35											

Seed production (q)					Planting material (in Lakh)				
Target					Target				
Achievement					Achievement				
150 qtl					150 qtl				
					100000				
					70150				

Livestock strains and fish fingerlings produced (in lakh)*					Soil, water, plant, manures samples tested (in lakh)				
Target					Target				
Achievement					Achievement				
2500					1292				
					1000				
					715				

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	-	-	-	-	-	-	-
Seminar/conference/ symposia papers							
Books	-	-	-	-	-	-	-
Bulletins	4						

News letter	1	500					
Popular Articles	10						
Book Chapter	-	-	-	-	-	-	-
Extension Pamphlets/ literature	-	-	-	-	-	-	-
Technical reports	25						
Electronic Publication (CD/DVD etc)	5						
TOTAL	44						

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of Integrated weed management in transplanted rice
2.	Problem diagnosed	Yield loss due to heavy weed infestation. high cost of production due to engagement of more human labour and scarcity of labour at the time of weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Bensulfuron methyl 0.6% + Pretilachlor 6% @ 10 kg /ha 3DAT+HW at 30 DAT TO2- Herbicide Penoxsulam @ 20g/ha after 15 DAT + HW at 30 DAT.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT (2015)
5.	Production system and thematic area	Rice based production system ,IWM
6.	Performance of the Technology with performance indicators	The yields of rice were higher in both the tech options over farmers practice.(10.4% in TO1 and 15.5 % in TO2 higher over FP) .WCE % were also higher in both new treatments.
7.	Final recommendation for micro level situation	TO2 is better than TO1. However it requires another one year for confirmation
8.	Constraints identified and feedback for research	Labour shortage during weeding.Herbicide use effectively contro;s the weeds.It is easy and time saving.

9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology & they got higher yield in both the new treatments over farmers practice with BCR of 1.75 and 1.81 .
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Thematic area: IWM

Problem definition: **Yield loss due to heavy weed infestation. high cost of production due to engagement of more human labour and scarcity of labour at the time of weeding**

Technology assessed: **Assessment of Integrated weed management in transplanted rice**

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		WCE%	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP-Hand weeding at 30 DAT	7	78	178	2.25	Nil	40.5	38000	62775	24775	1.65
TO1- Bensulfuron methyl 0.6% + Pretilachlor 6% @ 10 kg /ha 3DAT+HW at 30 DAT	7	84.4	185	2.26	Nil	44.7	39500	69285	29785	1.75
TO2- Herbicide Penoxsulam @ 20g/ha after 15 DAT + HW at 30 DAT.	7	91.4	201	2.26	Nil	46.8	40000	72540	32540	1.81

OFT-2

1.	Title of On farm Trial	Assessment of Integrated Weed management in greengram
2.	Problem diagnosed	Yield loss due to heavy weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Application of herbicide Pendimethalin @ 2500 ml /ha 3 DAS TO2- Application of herbicide Imazethapyr @ 750 ml /ha 15 DAS

4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	OUAT (2014)
5.	Production system and thematic area	IWM
6.	Performance of the Technology with performance indicators	Yield and WCE of both the new tech Options are higher than farmers practice. The WCE of TO1 and TO2 were 74% and 83 % respectively
7.	Final recommendation for micro level situation	TO2 is better than TO1. However it requires another one year for confirmation
8.	Constraints identified and feedback for research	Te herbicide use in controlling weeds in greengram is very easy and time saving. Manual weeding is difficult and not economical
9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology & they got 24.6 % increase in yield over farmers practice by using herbicide Imazethapyr..

Thematic area: IWM

Problem definition: **Yield loss due to heavy weed infestation**

Technology assessed: **Assessment of Integrated Weed management in greengram**

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		WCE %	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP-No weeding	7				Nil	6.5	18000	29250	11250	1.62
TO1- Application of herbicide Pendimethalin @ 2500 ml /ha 3 DAS	7	74			Nil	7.4	19000	33300	14300	1.75
TO2- Application of herbicide Imazethapyr @ 750 ml /ha 15 DAS	7	83			Nil	8.1	19000	36450	17450	1.92

OFT-3

1.	Title of On farm Trial	Assessment of liming on productivity of groundnut
2.	Problem diagnosed	Low yield of groundnut due to acid soil
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ . Application of Soil test based fertilizer + 0.2 LR (PMS) in furrows at the time of sowing TO ₂ . Application of Soil test based fertilizer +0.2 LR (PMS) + FYM in furrows at the time of sowing
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT-2016-17
5.	Production system and thematic area	Rice-Groundnut, Soil fertility management
6.	Performance of the Technology with performance indicators	Application of lime (PMS) @0.2 LR with FYM@5ton/ha enhance the yield 33.95% over farmer's practice, numbers of pods/plant is 23, 100 kernel weight is 37.52gm and also reduce the soil activity
7.	Final recommendation for micro level situation	Application of STBF+ Lime (PMS) @0.2 LR with FYM@5T/ha have synergistic effect on controlling soil acidity, improves base saturation, availability of calcium and magnesium fixation and also reduce poor pod filing in groundnut.
8.	Constraints identified and feedback for research	In order to keep the soil in good health in acid soil management it is necessary to use different soil ameliorating agent in acid soils, but PMS is not available in market. To achieve long term sustainability in crop production system it is necessary to research on alternative soil ameliorating agent which is available in the market.
9.	Process of farmers participation and their reaction	Farmers are satisfied with the technology & they got 33.95 % increase in yield over farmers practice.

Thematic area: Soil fertility management

Problem definition: **Low yield of groundnut due to acid soil**

Technology assessed: **Assessment of liming on productivity of groundnut**

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		WCE %	No. of pods/plant	Test wt. (100 grain wt.)						
FP- No use of Lime and injudicious application of chemical fertilizer	13		17			16.2	34800	64800	30000	1.86
TO₁-Application of Soil test based fertilizer + 0.2 LR (PMS) in furrows at the time of sowing	13		20			19.5	35500	78000	42500	2.19
TO₂- Application of Soil test based fertilizer +0.2 LR (PMS) + FYM in furrows at the time of sowing	13		22			21.7	36600	86800	50200	2.37

OFT-4

1.	Title of On farm Trial	
2.	Problem diagnosed	Low yield ,poor branching & pod setting due to improper nutrient management practices in greengram
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ - 75% N,P&K as per STBF + foliar spray of 2% DAP at 20-35 DAS. TO ₂ - 75% N,P&K as per STBF + foliar spray of 2% Urea Phosphate(17:44:0) at 20-35 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT-2016-17
5.	Production system and thematic area	Rice-greengram, INM

6.	Performance of the Technology with performance indicators	The growth yield attributes and yield of greengram influenced by foliar application of urea Phosphate (17:44:0) @ 2%. The nutrient supplementation through foliar application was more effective in increasing yield 7.5 qtl/ha, nos of pos/plant- 37 and also increasing 27.11% yield over farmers practice.
7.	Final recommendation for micro level situation	It was revealed that fertilizer dose can be reduced by 25% of soil test dose and also increasing better pod setting and more branching due to twice foliar application of 2% urea phosphate along with the application of fertilizer @75% of STD
8.	Constraints identified and feedback for research	Water soluble fertilizer (Urea phosphate) enhance growth of greengram but not available in sufficient quantity in market.
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology

Thematic area: INM

Problem definition: **Low yield ,poor branching & pod setting due to improper nutrient management practices in greengram**

Technology assessed: Assessment of foliar spray of urea phosphate on yield on greengram

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		WCE%	No. of pods/ plant	Test wt. (100 grain wt.)						
FP- No use of STBF	13		21			5.9	17600	29500	14000	1.67
TO ₁ . 75% N,P&K as per STBF + foliar spray of 2% DAP at 20-35 DAS	13		32			6.8	18900	34000	15100	1.79
TO ₂ . 75% N,P&K as per STBF + foliar spray of 2% Urea Phosphate(17:44:0) at 20-35 DAS	13		37			7.5	19700	37500	17800	1.90

OFT-5

1.	Title of On farm Trial	Assessment of Tomato varieties
2.	Problem diagnosed	Low yield due to incidence of Tomato Leaf curl virus, Bacterial wilt and early blight and less shelf life period decrease net profit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- BT-136 TO2- ArkaRakshak
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, 2013
5.	Production system and thematic area	Rice-vegetable, varietal substitution
6.	Performance of the Technology with performance indicators	Individual fruit wt.(gm), No. of fruits/plant, yield (q/ha), Shelf life, % infection, Net profit, B:C ratio
7.	Final recommendation for micro level situation	High yielding, comparatively more shelf life (10-12 days) than farmers practice (3-4 days)
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology as Variety ArkaRakshak is having high potential yield and having triple diseases resistance.

Thematic area: Varietal substitution

Problem definition: **Low yield due to incidence of Tomato Leaf curl virus, Bacterial wilt and early blight and less shelf life period decrease net profit**

Technology assessed: **Assessment of Tomato varieties**

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of fruit/plant	Individual fruit wt.(gm)	Shelf life in days						
FP- UtkalKumari	13	17.8	48.6	3.2	25.6	217.4	41200	86960	45760	2.11
TO1- BT-136	13	22.99	54.8	4.5	10.2	278.4	44800	111360	66560	2.48
TO2- ArkaRakshak	13	43.16	55.6	12.5	-	324.0	44800	129600	84800	2.89

OFT-6

1.	Title of On farm Trial	Assessment of Bioinnoculants on growth, yield of cauliflower
2.	Problem diagnosed	High cost of cultivation, less yield and low quality of curd due to injudicious application of chemical fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- STBF (80%NPK)+ Seed treatment with (Azotobactor+ PSB) 25gm/kg of seed +Soil appl. with 4kg/ha (Azotobactor& PSB) with 50kg FYM TO2- STBF(80%NPK)+ Seed treatment with Arka Microbial consortium @10gm/100gm seed +Soil application with Arka Microbial consortium 5kg/ha mixed with 500kg FYM
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, 2012
5.	Production system and thematic area	Vegetable-vegetable, INM

6.	Performance of the Technology with performance indicators	Curd size, curd weight, shelf life, yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Use of bioinoculant in cauliflower cultivation proved to be remunerative to the farmers by reducing cost of cultivation
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Directly involved in conducting OFT, participated in training, field day, group interaction and agreed to adopt the technology as it reduced cost of cultivation and produced quality curd and gave more yield.

Thematic area: INM

Problem definition: **High cost of cultivation, less yield and low quality of curd due to injudicious application of chemical fertilizer**

Technology assessed: **Assessment of Bioinoculants on growth, yield of cauliflower**

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Curd size	Individual fruit wt.	Shelf life						
FP- Use of chemical fertilizer(125:80:40 kg NPK/ha)	10	Medium	750.4 gm	3.2		202.5	42400	101250	58850	2.38
TO1- STBF (80%NPK)+ Seed treatment with (Azotobactor+ PSB) 25gm/kg of seed +Soil appl. with 4kg/ha (Azotobactor& PSB) with 50kg FYM	10	Medium large	820.2 gm	4.4		221.4	43500	110700	67200	2.54
TO2- STBF(80%NPK)+ Seed	10	Medium	940.6 gm	5.4		234.3	44400	117150	72750	2.63

treatment with Arka Microbial consortium @10gm/100gm seed +Soil application with Arka Microbial consortium 5kg/ha mixed with 500kg FYM		large size								
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OFT-7

1.	Title of On farm Trial	Assessment of different rice transplanting methods in medium land situation
2.	Problem diagnosed	High labour cost & more time for transplanting operation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1-three row rice transplanter OUAT Model TO2- four row rice transplanter CRRRI Model
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	C.A.E.T., O.U.A.T., 2012
5.	Production system and thematic area	Rice-vegetable, Farm mechanisation
6.	Performance of the Technology with performance indicators	Field capacity(ha/h), labour required (man days/ha), cost of operation (Rs/ha)
7.	Final recommendation for micro level situation	Labour requirement for transplanting reduced from 36 -12 and cost of transplanting reduced from Rs. 7200/- to Rs. 2400/-.
8.	Constraints identified and feedback for research	The manual transplanter are working well and easy to operate
9.	Process of farmers participation and their reaction	PRA survey, Group discussion and participation in training on 'Use of rice transplanter'. Farmers are interested for using manual rice transplanter as transplanting was done in very less time and labour requirement was reduced.

Thematic area: Farm mechanisation

Problem definition: **High labour cost & more time for transplanting operation**

Technology assessed: **Assessment of different rice transplanting methods in medium land situation**

Table:

Technology option	No. of trials	Yield component			Disease / insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Labour requirement Mandays/ha	No. of pods/ plant	Test wt. (100 grain wt.)						
FP- Line transplanting by rope and guide	5	36				45.2	34150	65540	31390	1.92
TO1-three row rice transplanter OUAT Model	5	12				47.6	30350	69020	38670	2.27
TO2- four row rice transplanter CRRI Model	5	12				47.8	30350	69040	38690	2.28

OFT- 8

1.	Title of On farm Trial	Assessment of CIAE hanging type grain cleaner for cleaning grains
2.	Problem diagnosed	Cleaning grain in a large quantity is a very tedious activity and responsible for pain and injury in upper and lower extremities
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1- Conventional method TO2- CRRI hand operated winnower TO3- Improved method by grain cleaner (hanging type)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIAE, Bhopal, 2009
5.	Production system and thematic area	Drudgery reduction
6.	Performance of the Technology with performance indicators	Ergonomic parameters, Heart rate(beats/min), Cardiac cost(beats/kg), Total time requirement for cleaning grain, Output kg/hr

7.	Final recommendation for micro level situation	-
8.	Constraints identified and feedback for research	The CRRI hand operated winnower is working well.
9.	Process of farmers participation and their reaction	PRA survey, Group discussion Farmers are interested for using

Thematic area: Drudgery reduction

Problem definition: **Cleaning grain in a large quantity is a very tedious activity and responsible for pain and injury in upper and lower extremities**

Technology assessed: **Assessment of CIAE hanging type grain cleaner for cleaning grains**

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Heart rate (beats/min)	Cardiac cost (beats/kg)	Av. Output (Kg/hr.)						
FP- Conventional Method	13	108	10	60	-	-	-	-	-	-
TO2- CRRI hand operated winnower	13	110	6	213.2	-	-	-	-	-	-
TO3- Improved method by grain cleaner (hanging type)	13	105	8	182.2	-	-	-	-	-	-

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals-

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration										Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total				
						M	F	M	F	M	F	M	F	T		
1.	Paddy	IWM	Use of herbicide Pretilachlor+BensulfuronMethyle @ 10 kg/ ha. within 3 DAS with one hand weeding at 25 DAS	1 ha	1 ha	-	-	-	-	5	-	5	-	5		
2.		INM	(75% N (CF) + green manuring + full P & K	1 ha	1 ha	-	-	-	-	5	-	5	-	5		
3	Paddy	INM	foliar application of 0.25% B twice after 15 DAT & flower initiation stage with STBF	1 ha	1 ha	-	-	-	-	5	-	5	-	5		

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Paddy	Kharif	Rainfed medium land	Alluvial	252	18	120	Paddy	26.07.18 to 29.07.18	24.11.18 to 28.11.18	-	-
Paddy	Kharif	Rainfed medium land	Alluvial	264	20	124	paddy	Dhanicha- 10.6.18 Paddy – 25.7.18 to 30.07.18	20.11.18 to 25.11.2018	-	-
Paddy	Kharif	Rainfed	Alluvial	252	18	120	paddy	26.7.18 to	22.11.2018	-	-

Performance of FLD

Frontline demonstrations on oilseed crops

[illegible]

** BCR= GROSS RETURN/GROSS COST

Pulses-NA-

Frontline demonstration on pulse crops

[illegible]

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Brinjal	Pest management	Demonstration on Biological control of brinjal shoot fruit borer	5	1	324.2	241.2	34.4	14.4 (no. of fruit/plant)	11.4 (no. of fruit/plant)	46,200	1,29,680	83,480	2.80	40100	96480	56380	2.40
Potato	Vegetable cultivation	Demonstration on potato var. Kufri Surya	5	1	278.04	251.28	10.64	4.2 (no. of tuber/plant)	3.86 (no. of tuber/plant)	46,500	1,39,020	92520	2.98	45400	125640	80240	2.76
Sweet potato	Tuber crop cultivation	Demonstration on sweet potato in low land rice ecosystem	5	0.4	continuing	-	-	-	-	-	-	-	-	-	-	-	-
Pointed gourd	Vegetable cultivation	Demonstration on pointed gourd var. ArkaNeelachalKirti	5	0.012	continuing	-	-	-	-	-	-	-	-	-	-	-	-
Cabbage	Resource conservation	Demonstration on Drip irrigation with mulching in cabbage	5	0.04	350.8	287.8	22.01	0 (Weed count (no/sq. m)	47 (Weed count (no/sq. m)	68300	192940	124640	2.82	59250	158125	98875	2.66
	Total																

Livestock

[illegible]

[illegible]

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries - NA

[illegible]

	Total			
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* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Demonstration on Oyster mushroom cultivation var. H. Ulmarius	15	150 bottles	Avg. yield (kg/bag) 2.2	Avg. yield (kg/bag) 1.5	46.6	Avg. fruit wt. in gm 142	Avg. fruit wt. in gm 31	25	132	107	5.28	25	90	65	3.6
Button mushroom	NA															
Vermicompost	NA															
Sericulture	NA															
Apiculture	NA															
Others (pl.specify) paddy straw mushroom	Demonstration on paddy straw mushroom Var. OSM-11	15	150 nos. bottle	1.1 kg/bed	1 kg/bed	10	Fruit wt. in gm-21	Fruit wt. in gm-19	50	132	82	2.64	50	120	70	2.4
Nutritional garden	Demonstration on nutritional garden	15		Consumption of vegetable gm/day- 700gm	Consumption of vegetable gm/day- 340 gm		% of RDA (1200 gm/day for 4 persons) 58.3	% of RDA (1200 gm/day for 4 persons) 28.3	-	-	-	-	-	-	-	-
Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost of cultivating (Rs./ha or Rs./Unit)			
					Demonstration	Check		Demo	Check			Demo	Check		
Tractor drawn multicrop seed cum fertilizer drill	Paddy	Demonstration on Tractor drawn multicrop seed cum fertilizer drill for sowing paddy	5	1	38.8	35.6	8.9	(Seed rate kg/ha)- 30	(Seed rate kg/ha)- 37.5			29700	28650		
seed cum fertilizer drill	Groundnut	Demonstration on c for sowing of groundnut	5	1	Yield (q/ha)- 21.8	Yield (q/ha)- 19.4	12.37	Avg. field capacity- 0.4	Avg. field capacity- 0.066			33961	35211		
tractor operated rotavator	Greengram	Demonstration on tractor operated rotavator for dry tillage for greengram	5	1	Cost of operation- 1500	Cost of operation- 3750		Disel required-15 lit/ha	Disel required- 30 lit/ha			15550	17800		

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids -

[illegible]

[illegible]

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Groundnut	Use of weedicide imazethapyr reduces weed infestation by 80 % and increases yield by 20%
2	Brinjal	Adoption of biological methods for control of brinjal shoot and fruit borer found to be very effective in reducing pest population 45% to 10%
3	Potato	Potato varKufrisurya is a high yielding early variety fetched good market prices
4	Boron application in paddy	Foliar spray of Borax @0.25% twice at 15 DAT & flower initiation stage has better impact on rice crop (15.12% yield increase). It also increase the grain setting by improving the grain filling process, and reducing the male sterility & chaffy grain.
5	Groundnut	Application of sulphur @30kg/ha and two foliar spray of Borax @0.2% at flowering and pod formation stage along with soil test based fertilizer boots up the pod yield of groundnut 22.54% and also reduce the poor pod filling and hallow hart disease of groundnut.
6	Paddy	Integrated use of organic (green manuring) and inorganic (75% N through chemical fertilizer) source of Nitrogen improves the soil fertility, rice yield and also improve the soil health for sustainable production
7	Groundnut	Line sowing of groundnut reduce labour about 80%
8	Tractor drawn multicrop seed cum fertilizer drill	Seed rate reduced from 37.5 kg/ha to 30 kg/ha and line sowing led to even plant population and easy in intercultural operation
9	Tractor operated rotavator	Soil pulverization was better than farmers practice
10	Poultry	Provision of multienzyme mixture @0.5% of feed (30 gm/bird) once daily during night to scavenging chicken increases average body wt. by 119% through B: C ratio 4 over 3.15 in farmer practice
11	Oyster mushroom Var. <i>H. ulmarius</i>	Yield performance was good in late part of winter and bio efficiency of substrate was high (122%)

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	8.11.2018	1	50	Tractor drawn multicrop seed cum fertilizer drill for sowing paddy
	Field days	7.01.19	1	50	Bio-fertilizer application and biological control of brinjal fruit shoot borer
	Field days	21.2.2019	1	50	Care & management practices in backyard poultry rearing
	Field days	10.12.2018	1	50	Integrated weed management in rice
	Field days	24.01.2019	1	50	IWM in groundnut

2.	Farmers Training	20.11.2018	1	25	Bio-fertilizer application and biological control of brinjal fruit shoot borer
	Farmers Training	13.12.2018	1	25	Care & management practices in backyard poultry rearing
		20.07.18	1	25	Integrated weed management in rice
		25.01.19	1	25	IWM in groundnut
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2018 and Rabi 2018-19:

A. Technical Parameters:Kharifil seed and Pulse

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				Dist rict yield (D)	Stat e yield (S)	Pote ntial yield (P)				Max .	Min.	Av.	D	S	P
1.	Groundnut Var.IC GV-91114(Devi)	Local Variety TG-9	13.6	1400	1821	2200	Improved management practices of Groundnut seeds variety Devi, seed treatment with vita vex power@2gm/kg of seed. Soil test based fertilizer application & need based plant protections measures.	50	20	18.6	16.9	17.8	27.14	2.30	23.59

2	Blackgram Var. Ujala	Local variety	4.8	324	427	1100	Seed (Var. Ujala) + seed inoculation with bio-fertilizer (Rhizobium &PSB + soil test based fertilizer application + need based plant protection chemicals	65	30	6.8	5.7	6.2	91.35	45.19	77.4
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B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Improved management practices of Groundnut seeds variety Devi ,seed treatment with vitavax power@2gm/kg of seed. Soil test based fertilizer application & need based plant protections measures.	34,800	54,400	19,600	1.56	35,500	71,200	35,700	2.0
2	Seed (Var. Ujala) + seed inoculation with bio-fertilizer (Rhizobium &PSB + soil test based fertilizer application + need based plant protection chemicals.	20,800	28,800	8000	1.38	22200	37200	15000	1.67

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtain	Produce sold (Kg/hou sehold)	Selling Rate (Rs/Kg	Produce used for own	Produce distributed to other farmers	Purpose for which income gained was	Employment Generated (Mandays/h
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		ed (kg)		)	sowing (Kg)	(Kg)	utilized	ouse hold)
1.	Improved management practices of Groundnut seeds variety Devi ,seed treatment with vitavax power@2gm/kg of seed. Soil test based fertilizer application & need based plant protections measures.	89000	1,000	40	600	100	For day to day need	5
2	Blackgram Var. Ujala	40300	300	60	200	100	For day to day need	4

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No .	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Improved management practices of Groundnut seeds variety Devi ,seed treatment with vitavax power@2gm/kg of seed. Soil test based fertilizer application & need based plant protections measures.	Yes	Yes	Yes	No	Yes	Establishment of processing units for value addition.
	Blackgram var. Ujala	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition& awareness

2							about line sowing.
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E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety ICGV-91114(Devi) 90-95 Days duration.	Improved management practices of groundnut with var. Devi enhance the pod yield 17.8q/ha. During kharif.	Improved management practices of groundnut variety Devi increase the yield 30.82% over farmer practices.	Farmers are satisfied with the variety and technology.
Blackgram var. Ujala	6.2	29.16	Farmers are satisfied with variety & the technology

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Field Day	06.11.2018	30
2	Group Discussion	23.07.2018	25
3	Group discussion	30.07.2018	20
4	Field visit & group discussion	27.08.2018	30
5	Group discussion	7.09.2018	16
6	Field Day	9.11.2018 Vill- Ramathenga	50

G. Sequential good quality photographs (as per crop stages i.e. growth & development)



Field visit by Scientists, KVK, Jajpur of cluster demonstration on groundnut var. Devi



Field Day on groundnut var. Devi

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Grundnut	i) Critical input		1,50,249	
	ii) TA/DA/POL etc. for monitoring		-	
	iii) Extension Activities (Field day)		-	
	iv) Publication of literature		-	

G.Sequential good quality photographs (as per crop stages i.e. growth & development)



Field visit by Scientists, KVK, Jajpur



Group discussion with farmers



seed inoculation with Rhizobium and PSB



Field Day on Blackgram var. Ujala

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram	i) Critical input	2,68,800/-	95,310/-	
	ii) TA/DA/POL etc. for monitoring		8282/-	
	iii) Extension Activities (Field day)		2336/-	
	iv) Publication of literature			
	Total		1,05,928/-	1,62,872/-

B. Technical Parameters: Rabi Pulse

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Avg.	D	S	P
1	Green gram Var. IP M-02-14	Local variety (Jhain muga)	5.9	315	434	1000	Improved management practices of Greengram seeds var. IMP-02-14, seed inoculation	70	30	8.4	6.8	7.8	147.61	79.72	28.20

with Bio
fertilizer(R
hizobium
& PSB
+Soil test
based
fertilizer
application
+ need
based plant
protection
chemicals(
Profenofos
@2ml/lit)

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
3	Improved management practices of Green gram seeds var. IMP-02-14 , seed inoculation with Bio fertilizer(Rhizobium & PSB +Soil test based fertilizer application+ need based plant protection chemicals (Profenofos@2ml/lit).	17500	29500	12000	1.68	19500	39000	18500	2.0

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1	Green gram	54600	500	5000/-	400	200	For	4

	Variety- IPM-02-14						day today need	
--	-----------------------	--	--	--	--	--	----------------------	--

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No .	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
01.	Improved management practices of Green gram seeds var. IMP-02-14 , seed inoculation with Bio fertilizer(Rhizobium & PSB +Soil test based fertilizer application+ need based plant protection chemicals(Profenofos@2ml/lit).	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition and awareness about line sowing.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety- IPM- 02-14,70-75days duration. INM & IPM	Improved management practices of Green gram with variety IPM-02-14 enhance the yield 7.8qtl/ha during Rabi.	Improved management practices of Green gram with variety IPM-02-14 enhance the yield 32.20% over farmer practices.	Farmers are satisfied with the variety & Technology.

N. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01.	Field visit & Group discussion	16.11.2019(Bhubanapur&Achyutpur)	45
02.	Meeting & Discussing	02.01.2019 (Bhubanapur)	30
03.	Meeting &Group Discussing	18.02.2019(Bhubanapur)	35
04.	Field visit & Group discussion	26.03.2019(Bhubanapur&Achyutpur)	30
05.	Field Day	17.04.2019 (Achyutpur)	30

F. Quality Action Photographs of field visits/field days and technology demonstrated.



Field visit of Scientist



Seed treatment with Rhizobium + PSB Fertilizer



Field visit of scientists to Green Gram field



Field Visit of Scientist to Cluster Front Line Demonstration On Green Gram Var. IPM-02-14 at Vill-Achyutpur



Field Day on Greengram Var. IPM-02-14

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Greengram	i) Critical input		90,844/-	
	ii) TA/DA/POL etc. for monitoring		5307/-	

	iii) Extension Activities (Field day)			
	iv) Publication of literature			
	Total	2,70,000/-	96,151/-	1,73,849/-

A) Farmers and farm women (on campus) NA

[illegible]

[illegible]

[illegible]

[illegible][illegible]

C) Extension Personnel (on campus)

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	2	29	21	50	14	2	16	-	-	-	29	21	50
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	2	45	5	50	2	-	2	-	-	-	45	5	50
Soil and Water Conservation													
Integrated Nutrient Management	4	73	27	100	10	-	10	-	-	-	73	27	100
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	1	22	3		1	-	1	-	-	-	22	3	25
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	2	47	3	50	13	-	13	-	-	-	47	3	50
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming	1	23	2	25	10	2	12	-	-	-	23	2	25
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	-	25	25	-	25	25	-	-	-	-	25	25

[illegible]

E)RURAL YOUTH (Off Campus)

[illegible]

F) Extension Personnel (Off Campus)

[illegible]

i. Farmers & Farm Women

[illegible]

[illegible]

[illegible]

[illegible]

[illegible][illegible]

iii. Extension Personnel (On and Off Campus)

[illegible]

Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	8	7	15	3	-	3	-	-	-	8	7	15
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	3	27	18	45	7	-	7	-	-	-	27	18	45

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop production	IWM	Integrated weed management in rice	1	Off campus	23	2	25	4	2	6
	ICM	Nursery management for quality rice seedling production	1	Off campus	25	-	25	-	-	-
	ICM	Use of LCC for effective nitrogen Management in rice	1	Off campus	24	1	25	6	2	8
	ICM	Cultivation of stress tolerant rice varieties to mitigate climate change	1	Off campus	20	5	25	-	-	-
	IWM	Integrated weed management in pulse crops	1	Off campus	22	3	25	8	3	11
	INM	INM in sugarcane	1	Off campus	21	4	25	1	1	2
	ICM	Inter cropping for higher yield and sustainability	1	Off campus	22	3	25	3	3	6
	ICM	Integrated farming system for	1	Off campus	25	-	25	-	-	-

		livelihood security								
Soil Sc.	INM	Green manuring in paddy	1	Off campus	25	-	25	8	7	15
	INM	INM in paddy	1	Off campus	18	7	25	2	2	4
	INM	Micronutrient deficiency and its control measure in groundnut	1	Off campus	17	8	25	4	2	6
	INM	Recycling of crop residue by NADEP method	1	Off campus	20	5	25	2	1	3
	INM	Bio-fertilizer application in tomato	1	Off campus	24	1	25	3	4	7
	Soil fertility management	Method lime application in groundnut	1	Off campus	25	-	25	-	-	-
Horticulture		Major disease & pest of solanaceous crops & their control measure	1	Off campus	7	18	25	2	3	5
		Nursery management for quality rice seedling production	1	Off campus	12	13	25	3	4	7
		Cultivation techniques of T.C Banana	1	Off campus	20	5	25	6	1	7
		Bio-fertilizer application and biological control of brinjal fruit shoot borer	1	Off campus	19	6	25	6	2	8
		Production techniques of potato	1	Off campus	23	2	25	-	-	-
		Production techniques of tomato	1	Off campus	15	10	25	5	4	9

		Advantage of organic manure in cucurbitaceous crop	1	Off campus	24	1	25	-	-	-
		Cultivation techniques of papaya	1	Off campus	18	7	25	-	2	2
Agril.Engg.	Repair and maintenance of farm machinery and implements	Use of rice transplanter	1	Off campus	25	-	25	2	-	2
	Repair and maintenance of farm machinery and implements	Use of different weeders in rice	1	Off campus	19	6	25	5	2	7
	Repair and maintenance of farm machinery and implements	Care and safety measures during operation of implements	1	Off campus	22	3	25	2	1	3
	Repair and maintenance of farm machinery and implements	Use of different small implements for farmers & farm women	1	Off campus	23	2	25	1	1	2
	Installation and maintenance of micro irrigation system	Use of drip irrigation for vegetable	1	Off campus	21	4	25	2	1	3
	Repair and maintenance of farm machinery and implements	Use of rotavator for field preparation	1	Off campus	24	1	25	-	-	-
	Installation and maintenance of micro irrigation system	Use of sprinkler irrigation for pulses	1	Off campus	23	2	25	4	-	4
	Repair and	Use of	1	Off	18	7	25	-	3	3

	maintenance of farm machinery and implements	groundnut thresher		campus						
	Use of plastics in farming practices	Use of mulching in vegetable	1	Off campus	15	10	25	-	4	4
Women in Agriculture	Cultivation of mushroom	Cultivation of paddy straw mushroom	1	Off campus	-	25	25	-	-	-
	Income generation activities for empowerment of rural women	Care & management practices in backyard poultry rearing	1	Off campus	-	25	25	-	4	4
	House hold food security by kitchen gardening and nutrition gardening	Planning and layout of Nutritional garden	1	Off campus	-	25	25	-	5	5
	Enterprise development	Off season mushroom cultivation in poly house	1	Off campus	-	25	25	-	-	-
Agril. Extn.	CBD	Farmers organization and group dynamics	2	Off campus	38	12	50	8	3	11
	CBD	formation and Management of Farmers club	2	Off campus	40	10	50	7	3	10
	CBD	Role and importance of ICT in agricultural development	2	Off campus	35	15	50	3	2	5
	CBD	Role and importance of farm records in agricultural development	2	Off campus	45	5	50	2	2	4

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed elsewhere
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
	LPM	Herbal medicament preparation for different poultry disease	4	10	5	15		5	6	4
		Value addition in milk	4	-	10	10	Processing unit	4	15	-
		Planting material production technique	4	4	6	10	Vegetable nursery	2	2	4

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S l. No	Title	The mat ic area	Mont h	Dur atio n (da ys)	Client	No. of cou rses	No. of Participants										Sponsor ing Agency
							Male			Female			Total				
					PF/R Y/EF		Ot he rs	S C	ST	Oth ers	SC	S T	Ot her s	SC	ST	To tal	
1	Training programme on Nutrient & pest managemen t of crops in organic farming		Janua ry, 2019	4		2	40	-	-				40	-	-		ATMA

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	11	236	99	335	15	8	7	15	244	106	350
KisanMela	3	501	320	821	10	18	11	29	519	331	850
KisanGhosthi	3	75	-	75	14	-	-	-	75	-	75
Exhibition	8	2831	264	3095	21	21	18	39	2852	282	3134
Film Show	13	450	175	625	8	-	-	-	450	175	625
Method Demonstrations	5	40	160	200	13	8	2	10	48	170	210
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	4	75	25	100	5	-	-	-	75	25	100
Lectures delivered as resource persons	25	435	179	614	10	12	8	10	447	187	634
Advisory Services	78	18025	4975	23000							23000
Scientific visit to farmers field	950	2229	1025	3254	15	-	-	-	2229	1025	3254
Farmers visit to KVK	1425	1069	356	1425	12	-	-	-	1069	356	1425
Diagnostic visits											
Exposure visits	5	86	15	101	4	70	4	74	156	19	175
Ex-trainees Sammelan	1	10	15	25	6	-	-		10	15	25
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	22	10	32	5	6	-	6			38
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	2	168	-	168	5	12	-	12	180	-	180
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)											
Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi	14	196	61	257	12%	15	8	23	211	69	280

Sewa											
MahilaKisan Divas	1	-	28	28		2	-	2	2	28	30
Any Other (Specify)											
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	6
Radio talks	5
TV talks	50
Popular articles	10
Extension Literature	-
Other, if any	

3.5 a. Production and supply of Technological products

Village seed- Nil

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Paddy	MTU-1010 (FS)	150 qtl.	3,74,000 (Approx.)	-	-	-	-
Greengram	IPM-02-03	1.5 qtl	6000	-	-	-	-
Grand Total		151.5 qtl	3,80,000				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	White contesa	2000	1000	3	-	4	7

Cabbage							
Tomato	Arka Rakshyak	2000	1000	2	-	8	10
Brinjal	JK8031	3000	2000	1	-	11	12
Chilli	Daiya	3000	2000				
Onion	Agri found light red	60000	6000	2	-	4	6
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya	Vinayak	150	3000	-	-	5	5
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total							

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted			
	Kg		SC	ST	Other	Total
Bio-fertilizers (vermicompost)	1000 kg	7000 cont....	2	-	10	12
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify.						
Total						

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat	Goat meat	53 kg	13025	8	-	14	22
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)	Poultry chicks(Rainbow rooster) & Duck	1292	72030	12	-	8	20
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)paddy straw mushroom	P. sajorcaju	60 kg	7200	2	-	6	8
Oyster mushroom	H.ulmarius	100 kg	6000	-	-	10	10
Grand Total							

3.5. b. Seed Hub Programme-“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”

i) Name of Seed Hub Centre: NA

Name of Nodal Officer :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)
--------	------	---------	----------------

			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2019						

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/symposia papers				
Books				
Bulletins			4	-
News letter	Sabuja swapna		500	500
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature			-	
Technical reports			25	
Electronic Publication (CD/DVD etc)			5	
TOTAL				

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
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1.	Orientation training on Operational modalities for KVKs at DEE, OUAT, BBSR	Operational modalities for KVKs	Dr. (Mrs.) Tilottama Pattnaik Sr. Scientist & Head	9.07.18 to 11.07.2018	DEE, OUAT, BBSR
2.	Improved production practices in horticulture	Improved production practices in horticulture	Babita Mishra Scientist (Horticulture)	4.04.18 to 6.04.18	IIHR, Bangaluru
3.	Entrepreneurship development through value addition of underutilized crops CAET,OUAT, Bhubaneswar	Entrepreneurship development through value addition of underutilized crops	Dr. Bijayalaxmi Mohanta Scientist (Agril. Engg.)	15.11.18 to 5.12.2018	ICAR, New Delhi
4.	Capacity building programme at IIWM, Bhubaneswar	Capacity building programme	Lalita Ku. Mohanty Scientist (Agronomy)	21.01.2019 to 24.01.2019	DEE, OUAT, BBSR
5.	Awareness training programme on PFMS at Biju Pattnaik Conference hall	Awareness training programme on PFMS	Dr. (Mrs.) Tilottama Pattnaik Sr. Scientist & Head	11.10.2018	ICAR-ATARI, Kolkata
6.	Training on KVK Sandesh mobile APP under DFIA at KVK Bhadrak	Training on KVK Sandesh mobile APP under DFIA	Sangita Panda Prog. Asst. (Computer)	10.08.2018	ICAR-ATARI, Kolkata
7.	Workshop on PFMS, Validation and operationalization at OUAT, BBSR	Workshop on PFMS, Validation and operationalization	Dr. (Mrs.) Tilottama Pattnaik Sr. Scientist & Head	22.06.2018 & 23.06.2018	ICAR-ATARI, Kolkata
8	State level orientation training programme for the district level Officers for Kalia Scheme at Krishi Bhawan	State level orientation training programme on Kalia Scheme	Dr. (Mrs.) Tilottama Pattnaik Sr. Scientist & Head	14.12.2019	DEE, OUAT, BBSR
9	State Level pre seasonal Workshop Rabi Campaign 2018 at Krushi Bhawan Bhubaneswar	State Level pre seasonal Workshop Rabi Campaign 2018	Subhashis Dash Scientist (Soil Sc.)	14.11.18 to 16.11.2018	DEE, OUAT, BBSR
10	Regional Workshop on PPV & FRA at Belgachia , WBUA & FS, Kolkata	Regional Workshop on PPV & FRA	Subrata Ku. Panigrahi Scientist (Agril. Extension)	15.03.2019	ICAR-ATARI, Kolkata
11	Module training course on value chain analysis of Agricultural commodities at DEE, OUAT, BBSR	Module training course on value chain analysis of Agricultural commodities	Subrata Ku. Panigrahi Scientist(Agril. Extension)	11.12.2018 to 18.12.2018	DEE, OUAT, BBSR

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)

Name of farmer	Prasanta Kumar Boitoi																			
Address	Address- At- Bahabalpur, Block- Rasulpur, Dist- Jajpur Pin- 755008 ,																			
Contact details (Phone, mobile, email Id)	Mob No. 9439205966																			
Landholding (in ha.)	2.2 Ha																			
Name and description of the farm/ enterprise	Custom hiring centre: Mr. Prasant Boitoi has 2.2ha.land and he has custom hirin centre. He has 2 nos. tractors, 1no. of seed cum fertilizer drill, 1 no. of Rotavator, 1 no. of cultivators and 1 no. of M.B. Plough. He is giving the tractor and the matching implements for custom hiring.																			
Economic impact	<table><tr><th>Type of Enterprise</th><th>Area/nos.</th><th>Expenditure (Rs)/3months)</th><th>Gross income /3 months</th></tr><tr><td>Tractor M.B.Plough</td><td>1no.</td><td>@operator cost Rs. 6000/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 300hrs. =84000/-</td><td>210000</td></tr><tr><td>Tractor with cultivator</td><td>1nos.</td><td>@operator cost Rs. 6000/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 300hrs. =84000/-</td><td>15000</td></tr><tr><td>Tractor with Rotavator</td><td>1no.</td><td>@operator cost Rs. 6000/- per month for 3 months 24000/- fuel 4lit/hr@ 70per 500hrs. =140000/-</td><td>400000</td></tr></table>				Type of Enterprise	Area/nos.	Expenditure (Rs)/3months)	Gross income /3 months	Tractor M.B.Plough	1no.	@operator cost Rs. 6000/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 300hrs. =84000/-	210000	Tractor with cultivator	1nos.	@operator cost Rs. 6000/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 300hrs. =84000/-	15000	Tractor with Rotavator	1no.	@operator cost Rs. 6000/- per month for 3 months 24000/- fuel 4lit/hr@ 70per 500hrs. =140000/-	400000
Type of Enterprise	Area/nos.	Expenditure (Rs)/3months)	Gross income /3 months																	
Tractor M.B.Plough	1no.	@operator cost Rs. 6000/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 300hrs. =84000/-	210000																	
Tractor with cultivator	1nos.	@operator cost Rs. 6000/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 300hrs. =84000/-	15000																	
Tractor with Rotavator	1no.	@operator cost Rs. 6000/- per month for 3 months 24000/- fuel 4lit/hr@ 70per 500hrs. =140000/-	400000																	

	Tractor with Seed cum fertilizer drill	1no.	@ operator cost Rs.800/- per month for 2 months 16000/- fuel 4lit/hr@ 70per 200hrs. =56000/-	1800000
			Total	940000
			Net Profit	504000/- per annum
Social impact	He is a young entrepreneur who has established his own custom hiring centre. He is also earning good amount from his enterprise. The farmers of his village and nearby villages are interested to develop custom hiring center like him			
Environmental impact				
Horizontal/ Vertical spread	He has become a successful entrepreneur and become a role model for the young mass in the district. He is opening his tractor and implements not only in his block but also in other blocks too			



3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1	“NUTRIFLAV-BR”- FLAVOURED FISH FEED	Name- Mr. Banamali Rout Address:- At- Digambarpur PO- Dharmasala PS- Dharmasala	 Take a bowl (plastic/steel) & place a layer of polished rice bran spreaded.

		Block- Dharmasala, Dist- Jajpur PIN- 755008, Mob: 9090358272	• Layer above it cow dung (fresh cow dung/4-5 days old cow dung as per availability) , then stack a layer of powdered mustard oil cake , subsequently one layer of any mills waste like (rice/dal/sattu mill's powdered waste) in dust or powder form & at last top layer with sodium bi-carbonate (NaHCO₃). • At last if space is left inside the bowl, then cascade layering will start from polished rice bran again. • Each layer is 6" thick & at last fresh and clean water is added ad-lib to the layered materials. • This soaked content will be left covered at one shady place for 5-6 days till it gets dry and hard. • Dried & hard content is taken out, powdered by thrashing 7 again some quantity of water is added to prepare the readymade feed for fish.
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- 3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)- NA

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

- b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Vermicompost unit	5	18 qtl.	26	Y

- 3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA Survey, group discussion with farmers & Govt. Officials, Diagnostic field visit and Research- Extension meeting	Training, OFT and FLD

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Nitrogen analyzer	1
2	PH meter	1
3	Hot were oven	1
4	Spectro photo meter	1
5	EC	1
6	Flame photometer	1
7	Electronic Balance	1
8	Stabilizer	1
9	Rotary flask shaker	1
10	Flame photometer	1
11	Quartzcuvette	1
12	Mini Soil kit	2

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
517	198	715	715	18	-

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Celebratio n of World Soil Day	400	3	• Chairman Zillaparisad • Sj. Ashok Samal, Representative of DD Kisan Channel • DDA, Jajpur	350	350

3.12. Activities of rain water harvesting structure and micro irrigation system- NA

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13. Technology week celebration- NA

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N)- N

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
11.08.2018	Prof. Surendra Nath Pasupalak Hon'ble Vice Chancellor, OUAT	Stakeholder Interface Meeting
11.08.2018	Prof. Pravat Ku. Roul Dean Extension Education, OUAT, BBSR	Stakeholder Interface Meeting
11.08.2018	Sj. Amar Prasad Sathpathy Hon'ble MLA	Stakeholder Interface Meeting

4. IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Demonstration on onion var. Agrifound light red	5	52	42,600	72,300
Integrated management practices for management of stem borer in paddy	5	65	18,100	30,100
Demonstration on groundnut var. Devi	5	73	19,200	37,700
Demonstration of paddy straw mushroom	10	68	Rs. 500/10 nos bed	Rs. 760/- per 10 nos.bed (net profit)
Application of Sulphur in groundnut	5	56	34400/ha	50,775/ha
Demonstration on Oyster mushroom <i>H. ulmaris</i>	10	78	647/10 bag (net profit)	Rs. 1100/- per 10 bag (net profit)
Improved variety Rainbow rooster rearing	5	65	1680	4080
Tractor operated seed cum fertilizer drill for sowing groundnut	5	42	42389/ha	53239/ha
Tractor operated axial flow thresher	5	45	26050/ha	28290/ha

for threshing paddy				
Demonstration on Integrated Disease Management (Tricyclozole +Propiconazole) against sheath Blight in paddy	5	55	62650 ha	70000 ha

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Integrated management practices for management of stem borer in paddy	18,500ha
Application of Sulphur in groundnut	12000 ha
Demonstration on Integrated Disease Management (Tricyclozole +Propiconazole) against sheath Blight in paddy	70000 ha
Demonstration of paddy straw mushroom	67 villages
Tractor operated seed cum fertilizer drill for sowing groundnut	4000ha
Tractor operated axial flow thresher for threshing paddy	10000ha
Improved variety Rainbow rooster rearing	210 unit
Demonstration on onion var. Agrifound light red	128ha

Give information in the same format as in case studies

4.3.Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1			

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	NUTRIFLAV-BR™- FLAVOURED FISH FEED
Details of Innovator	Name- Mr. Banamali Rout Address:- At- Digambarpur PO- Dharmasala PS- Dharmasala Block- Dharmasala, Dist- Jajpur PIN- 755008, Mob: 9090358272
Back ground of innovation	He has a pisciculture unit but feed cost was very high. so, he tried to develop a low cost fish feed
Technology details	- Take a bowl (plastic/steel) & place a layer of polished rice bran spreaded. - Layer above it cow dung (fresh cow dung/4-5 days old cow dung as per availability) , then stack a layer of powdered mustard oil cake , subsequently one layer of any mills waste

	like (rice/dal/sattu mill's powdered waste) in dust or powder form & at last top layer with sodium bi-carbonate (NaHCO_3). • At last if space is left inside the bowl, then cascade layering will start from polished rice bran again. • Each layer is 6" thick & at last fresh and clean water is added ad-lib to the layered materials. • This soaked content will be left covered at one shady place for 5-6 days till it gets dry and hard. • Dried & hard content is taken out, powdered by thrashing 7 again some quantity of water is added to prepare the readymade feed for fish. Fresh product or water soaked powdered mix product can be given in silver tub /Bamboo basket/ plastic tub near one shallow corner or bay of the pond for use as fish feed. [20 kg Nutriflav-BR/4000 fish fingerlings/day]
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	IFS
Name & complete address of the entrepreneur	Sri Kishore Chandra Rout village-Hatakaranda, Barchana, Jajpur
Role of KVK with quantitative data support:	Training by KVK Jajpur, method demonstration by KVK Scientist, pond based farming system, monitoring and feed back,
Timeline of the entrepreneurship development	2 yrs
Technical Components of the Enterprise	Pisciculture Fish spawn production poultry Paddy(Kharif) Greengram(Rabi) Banana
Status of entrepreneur before and after the enterprise	He was practising only paddy cultivation and his earning was very low to meet the family requirement. Now he is getting Rs88900/- as net income annually
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	He has initially started only with pisciculture but now he is doing spawn production too. He has generated 960 mandays

5. LINKAGES

Name of organization	Nature of linkage
Orissa University of Agriculture and Technology	Technical support and guidance
Department of Agriculture and food production	Joint Field visit during disease and pest problem
Department of Animal husbandry	Organization of Animal health camp
Department of Horticulture	Joint field visit
ATMA	Conduction of farmers scientist interaction program
NABARD	Linking the entrepreneurs to NABARD for financial support
IFFCO	Working jointly for farmers.
OLM	Linking the entrepreneurs to OLM

(b) Programmes for infrastructure development- NA

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Training programme on Nutrient & pest management of crops in organic farming	Awareness, capacity building	10.01.2019, 11.1.19 & 5.2.19 and 6.02.19	ATMA	32000/-
Farmers Scientist interaction at KVK Campus	Interaction and problem identification of farmers	15.02.2019	ATMA	16000/-

6.1. Performance of demonstration units (other than instructional farm)

[illegible]

2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Re ma rks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	9.08.18		5 ha	MTU-1010	FS	150 qtl.	2,44,000	3,74,000	
Planting material									
Tomato	25.10.18	26.11.18	64 M ²	Arka Rakshyak	PM	2000	450	1000	
Cauliflower	25.10.18	26.11.18	64 M ²	White contesa	PM	2000	420	1000	
Chilli	25.8.18	27.09.18	64 M ²	Daiya	PM	3000	820	2000	
Brinal	25.08.18	27.9.18	64 M ²	JK8031	PM	3000	900	2000	
Onion	26.10.18	10.12.18	64 M ²	Agri found light red	PM	60000	1800	6000	
Papaya	25.8.18	27.9.18	64 M ²	Vinayak	PM	150	900	3000	

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	1000 kg	3000	7000	

6.4. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry & duck	Rainbow rooster	Chicks	1292	82487	72030	
2.	Paddy straw mushroom	P. sajorcaju		60 kg	4534	7200	
3.	Oyster mushroom	H.ulmarius		100 kg	3772	6000	
	pisciculture	IMC	-	185.05 kg (Release of fish fingerling)	6180 Cont.. 5315 (2017-18)	22206 (stock of 2017-18)	

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
19.12.18 to 19.01.19	20	25 days	-
28.1.19 to 13.3.19	20	25days	-
Total :	40	50days	-

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staffquarters: 1

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
June , 2012						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current	SBI, Chandikhole	Chandikhole, Jajpur	11016309099
Saving	SBI, Chandikhole	Chandikhole, Jajpur	32039806804

7.2. Utilization of funds under CFLD on Oilseed (Rs. In Lakhs)

Item	Released by ICAR		Expenditure		Unspent balance as on – 31.03.2019
	Kharif	Rabi	Kharif	Rabi	
Groundnut	2,40,000	-	1,60,800		79,200

7.3. Utilization of funds under CFLD on Pulses (Rs. In Lakhs)

Item	Released by ICAR		Expenditure		Unspent balance as on 31.3.2019
	Kharif	Rabi	Kharif	Rabi	
Blackgram	2,70,000	-	1,59,210	-	1,10,790
Greengram& Technology Agent	-	3,30,000	-	1,56,151	1,73,849

7.4. Utilization of KVK funds during the year 2018-19 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	98,50,000	98,50,000	98,50,000
2	Traveling allowances	80,000	80,000	80,000
3	Contingencies	11,00,0001	11,00,000	
A	Stationary, telephone, postage & other expenditure on	3,60,000		3,60,000

	office running			
B	POLs, repair of vehicle tractor and equipment			
C	Vocational training			
	i.Meals/refreshment trainees			
	ii. Training material			
	iii. Training on Extension functionaries and extension activity			
	iv. Training of RY	2,70,000		2,70,000
D	FLD except oil seed and Pulse	1,80,000		1,80,000
E	OFT	90,000		90,000
F	Library maintenance & adding books and journal	-	-	-
G	Maintenance of building	-	-	-
H	Any other expenditure coming under RC aid	-	-	-
I	Swachhta Expenditure	-	-	-
J	SCSP contingency	2,00,000		26723
TOTAL (A)		11030000	11030000	10856723
B. Non-Recurring Contingencies				
1	Renovation of training hall such as ceiling and renovation of implement shed	6,62,500	6,62,500	6,62,500
TOTAL (B)		6,62,500	6,62,500	6,62,500
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		11692500	11692500	11519223

7.5. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2015-16	367510	247093	503650	
2016-17	60953	713367	506903	
2017-18	0	521768	362774	
2018-19	2000	749748	371076	

7.6. (i) Number of SHGs formed by KVKs-25

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

(iii) Details of marketing channels created for the SHGs-7

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Animal health camp	1	Rabi	Dept. of Animal Husbandary		
World Soil day	1	Rabi	Dept. of Agriculture and KVK		
DAESI programme	1	Rabi	Dept. of Agriculture and KVK		
Farmers Scientist interaction	1	Rabi		With ATMA	
Exhibition at Rudhia	1	Rabi	Dept. of Agriculture and KVK		
Training	2	Rabi		With ATMA	

programme on Nutrient & pest management of crops in organic farming					
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8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

9.1. Nehru YuvaKendra(NYK) Training- NA

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	M	F	

9.2. PPV & FR Sensitization training Programme- NA

Date of organizing the programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	66	23000

Livestock	10	823
Fishery	-	
Weather	8	345
Marketing	-	
Awareness	8	456
Training information		
Other	12	23000
Total	104	

9.4. KVK Portal and Mobile App- NA

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
15.09.2018	Swachhata hi Sewa 2018-19 was organized at KVK, Campus. Cleanliness of office campus and cleaning of unwanted disposable wastes, sweeping of the Farmers hostel road, threshing floor and office campus
17.09.18	Swachhata hi Sewa 2018-19 was organized at KVK, Campus. unwanted grass weeds and spurious shrubs were cleared up from the vermicompost demo unit and herbal garden perimeter. The swachhata work was done by all staffs of KVK, Barchana, Jajpur with a view of farm premise cleanliness
18.09.18	The PanchayatPandal premises of village- Sansilo was chosen as site for cleaning as a part of Swachhata celebration. Sweeping of PanchayatPandal, disposal of waste polythenes, paper shreds was done and other possible cleaning activity were organized. Villagers along with Scientists of KVK, Jajpur participated in the activity
19.09.18	Swachhata Hi Sewa was organized on 19.09.2018 in vill-Bhusandapur of block- Barchan .The Members of different SHGs i.e, Maa Shakti, Maa Santoshi Nitaigauda, Omm Sai SHGs were participated in the programme. Awareness campaign was conducted in the village. Road show conducted on cleanness of environment
20.09.18	Swachhata Hi Sewa was organized on at KVK, Campus . cleaning of unwanted disposable wastes and sweeping of the Farmers hostel and its perimeter by all Scientists and staff of KVK. “shining campus” was the sole motto behind such a cleaning module inside KVK, Barchana

24.09.18	Cleaning office campus .Waste polythenes, paper shreds etc. were picked up from the campus and detectable harmful materials were discarded safely
25.09.18	Conducting School level rally at Damodarapur High school Block- Rasulpur to sowing various placard messages relating to Swacchh Bharat to create Awareness among villagers and school students.
26.09.18	Conducting School level rally and sweeping village road at Vill- Rambhadeipur, Block- Barchana to create Awareness on Swachhata hi sewa among villagers and school students
27.09.18	Cleaning activity was done in Vill- Digamabarpur, Block- Dharmasala with members of SHGs and villagers to clean village road , village premises and other public places. After cleaning a meeting was held with members of SHGs& Anganwadi workers to create awareness to maintaining sanitation
28.09.18	Conducting Swachhata hi sewa in Sukinda block on 28.09.18. cleaning village premises and create Awareness among villagers
29.9.18	Sweeping Panchyat Office of vill- Barapada, Block- Barchana and Awareness campaign was conducted in the village on cleanness of environment
1.10.18	Conducting Swachhata hi sewa with NCC students of Mahavinayak Bidyan Barchana on 1.10.2018. cleaning office entrance, premises and create Awareness about sanitation.
2.10.18	Conducting Swachhata hi sewa at vill- Jari , Block- Binjharpur . Cleaning Village road , premises and create awareness about healthy and clean environment

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM	4	
4. Cleaning and beautification of surrounding areas	18	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	7	
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	5	
8. Swachhta Workshops		

9. Swachhta Pledge		
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	8 ((125 nos. farmers & farm women)	
14. No of Staff members involved in the activities	14	
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	56	

9.6. Observation of National Science day- NA

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF- NA

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school- NA

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

9.9. Details of ‘Pre-Rabi Campaign’ Programme

[illegible]

9.10. Details of Swachhta Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning of village road, perimeter, village school premises, office campus, youth club campus, temple premises, Weeding, cleaning, plantation and watering of deodar trees in office campus & awareness campaign on the celebration of Samagra Swachhata diwas	10	263	-	-

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Essay Competition, Debate competition, prize ceremony and exhibition was done on the occasion of Mahila kisan Diwas	10	30	-	-

9.12. No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Banamali rout	At-Digambarpur Dharmashala, Jajpur	Low cost fish feed
2	Bibhudata Samal	Vill- Sananoonpur Dist- Jajpur	IFS
3	Kulamani Samal	Vill- Solar Block- Badachana	Farm Mechanization
4	Sandhya Rani Mahala	Vill- Bhusandapur Block- Badachana	Mushroom Spawn Production
5	Mihirvanu Balabantaray	Vill- Amiyajhari Block- Badachana	Planting material production

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.			
2.			
3.			

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

10. Report on Cereal Systems Initiative for South Asia (CSISA)- NA

a) Year:

b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
...						
..						
Others (If any)						

11. Details of TSP- NA

a. Achievements of physical output under TSP during 2017-18

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	

Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2017-18

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2017-18

<i>District</i>	<i>Sub-district</i>	<i>No. of Village covered</i>	<i>Name of village(s) covered</i>	<i>ST population benefitted (No.)</i>		
				M	F	T

12. Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA)- **NA**

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted								Remarks
				SC	ST	Other	Total					
				M	F	M	F	M	F	M	F	T

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted								Remarks
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted								Remarks
				SC		ST		Other		Total		
				M	F	M	F	M	F	M	F	T

Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted								Remarks
			SC		ST		Other		Total		
			M	F	M	F	M	F	M	F	T

Capacity building

Thematic area	No of Courses	No of beneficiaries									
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

Extension activities

Thematic area	No of activities	No of beneficiaries									
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Innovator award	Mr. Banamali Rout	2018	OUAT	-	OUAT Foundation Day

14. Any significant achievement of the KVK with facts and figures as well as quality photograph

15. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)- **NA**

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology

1	Demonstration of lime & Rhizobium application in groundnut	• Soil application of Lime @0.2LR • Seed treatment with Rhizobium @20gm/kg of groundnut seed • Yield increase 25%	46500	20000	
2	Demonstration of pre limed FYM inoculated with Biofertilizer in Cauliflower	• Application of 5kg of lime mixed with 100kg of FYM • Inoculated with 3kg of azotobactor, 3kg PSB & 3kg azospirillum with soil test based fertiliser • Yield increase 28%	46350	220	
	Demonstration on pointed gourd var. swarn Alaukik in triangular taking system	• High yielding, potential yield (220-260 qtl/ha) • Light green thin skin, fruit length 8-10 cm, 2-3 fruits/node • Good taste and cooking quality • High market value • Planting ratio female: male (9:1)	1,42,280	120	
	Cultivation of potato var. Kufri Surya	• Early maturing 75 days, heat tolerant, white smooth skin pale yellow fles yield excellent • Seed treatment with Dithane M-45 @GM/lit • Recommended dose of fertiliser 180:80:110kg NPK/ha • Spraying Ridomil M-Z @2gm /lit wat for controlling wilting	77249	160	
	Demonstration on use of tractor drawn rotavator	• Field capacity 0.4ha/hr • Puddling index about 62% in single pass • Less fuel consumption for puddling operation.		20000	

Demonstration on use of combine harvester	- Field capacity 0.4 ha/hr - Harvesting and threshing can be done at a time - About 43 mandays is saved /ha	26940	25000	
Cultivation of paddy straw mushroom variety OSM-11	- Maintenance of temperature - Disinfection of mushroom with formalin @1ml/lit - Packaging in plastic punnets for market linkage	760/Unit(10 Nos. bed)	1800	
Demonstration of Oyster mushroom variety Hypsizygus ulmarius	- Improved management practices - Value addition of pickle, mushroom soup power - Market linkage	1100/10 nos. bag	1500	

18. Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

19. Information on Visit of Ministers to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2017-18 and 2018-19

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18	Tractor Operator	Dr. Bijayalaxmi Mohanta	6.03.18	31.03.2018	20	Y	1,89,400/-

2018-19	Tractor Operator	Dr. Bijayalaxmi Mohanta	28.01.2019	13.03.2019	20	Y	
	Nursery Worker	Mrs. Babita Mishra	19.12.2018	18.01.2019	20	Y	

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs.**, if any) if undertaken during 2018-19- NA

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

21. Information on NARI Project(if applicable) Not yet started

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

22. Information on KrishiKalyanAbhiyan Phase- I/ Phase-II/ Phase-III, if applicable - NA

KrishiKalyanAbhiyan- I and II

A. Training

Name of programme	No. of programmes	No. of farmers benefitted									No. of officials attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I											
KKA-II											

B. Distribution of seed/ planting materials/ input/ others

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

C. Livestock and Fishery related activities

Name of program me	No. of Pro gra mm e	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of anima ls vaccin ated	No. of anima ls dewor med	Feed/ nutrie nt supple ments provid ed (kg)	Any other (Distrib ution of animals / birds/ fingerli ngs) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

D. Other activities

Name of programme	Activities	No. of farmers benefited									No. of other officials (except KVK) attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										

KrishiKalyanAbhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted										Any other, if any (pl. specify)
		SC		ST		Others		Total				
		M	F	M	F	M	F	M	F	T		

23. Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

24. Good quality action photographs of overall achievements of KVK during the year (best 10)

			
Assessment of liming on productivity of groundnut	Assessment of Tomato varieties	Assessment of Bioinoculants on growth, yield of cauliflower	Assessment of different rice transplanting methods in medium land situation
			
Demonstration on Integrated Weed management of groundnut under rainfed medium land situation	Demonstration on Integrated Weed management of groundnut under rainfed medium land situation	Demonstration on seed cum fertilizer drill for sowing of groundnut	Demonstration on Oyster mushroom cultivation var. H. Ulmarius
