ANNUAL REPORT 2018-19 (April 2018to 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		
Larkipali,Bolangir	06652250165	06652250165	kvkbolangir.ouar@gmail.com bolangirkvk@yahoo.com

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

Address	Telephone		E mail
	Office FAX		
OUAT,Bhubaneswar	0674-2397424	0674-2397919	ouatacademic62@gmail.com

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

Name	Telephone / Contact				
	Residence Mobile Email				
Ashis Kumar Das	NA	9437277301	bolangirkvk@yahoo.com		

1.4. Year of sanction of KVK: 2009

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	Vacant						
2	Subject Matter Specialist	Ashis Kumar Das (& I/C PC)	Scientist(Plant Protection)	Entomology	15600+6000, 25780	26.12.2011	Temporary	Others
3	Subject Matter Specialist	Dr. Tapan Kumar Palai	Scientist (Animal Sc.)	Animal Sc.	15600+6000, 17610	17.06.2015	Temporary	Others
4	Subject Matter Specialist	Sarthak Pattanayak	SMS (Agronomy)	Agronomy	15600+5400, 15600	13.06.2018	Temporary	Others
5	Subject Matter Specialist	Rahul Dev Behera	SMS (Soil Sc.)	Soil Science	15600+5400 15600	28.11.2018	Temporary	SC
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Vacant						
9	Computer Programmer	Sri Rabi Narayan Satapathy	Programme Assistant(Computer)	Information technology	9300+4200, 17050	21.11.2009	Temporary	Others
10	Farm Manager	Sagarika Muna	Farm Manager	Horticulture	9300+4200, 10,560	01.01.16	Temporary	ST
11	Accountant / Superintendent	Vacant						
12	Stenographer	Vacant						
13.	Driver	Upendra Mishra	Driver cum Mechanic	-	5200+1900, 7400	06.05.11	Temporary	Others
14.	Driver	Biswabasi Sarangi	Driver cum Mechanic	-	4750+1500, 6110	14.02.14	Temporary	Others
15.	Supporting staff	Prafulla Palei	Peon-cum- Watchman	-	4750+1500, 7670	28.06.14	Temporary	OBC
16.	Supporting staff	Krushna Ch Rout	Peon-cum- Watchman	-	5550+1500	01.12.14	Temporary	OBC

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)	
1	Under Buildings	0.4	
2.	Under Demonstration Units	0.2	
3.	Under Crops	12.0	
4.	Orchard/Agro-forestry	0.5	
5.	Others with details	2.9	
	Total	16.0	

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					Yes	550	to be used shortly	ICAR
2.	Farmers Hostel	Not started						_	
3.	Staff Quarters (6)	Not started							
4.	Piggery unit	Not started							
5	Fencing			Incomplete / 2000 running ft. required					RKVY
6	Rain Water harvesting structure	Not started							
7	Threshing floor	Not started							
8	Farm godown		Completed up to plinth level						
9.	Dairy unit								
10.	Poultry unit					Yes	9×5mt	Under Use	RKVY
11.	Goatary unit	Not started							
12.	Mushroom Lab					Yes (spawn production)		Under Use	RKVY

13.	Mushroom production unit							
14.	Shade house				yes	18X5.5m	Under Use	RKVY
15.	Soil test Lab	Not started						
16	Seed Processing Unit			yes				ICAR

^{*} 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
Mahindra Bolero	2010	5.0 lakh	149084	Running
Massey Tractor+trailer	2010	6.0 lakh	0966	Running
Motor Cycle	2012	0.53lakh	8407	Running

C) Equipment & AV aids

Name of equipment	Year of	Cost (Rs.)	Present	Source of
a Lah aquimment (HamaCaianaa)	purchase		status	fund
a. Lab equipment (HomeScience)	2017-18	14.050	Eunationina	ICAR
Digital refractrometer (B.P.Lab make)-1 no		14,950	Functioning	
Drying Cabinet, Model BPL-25 (B.P.Lab make)—1 no	2017-18	19,898	Functioning	ICAR
Crown cap sealing machine (seapack make)-1 no,	2017-18	5900	Functioning	ICAR
Vaccum cap sealing machine (seapack make)-1 no	2017-18	1980	Functioning	ICAR
StainlessSteelKnife,strainer,decanter,measuring cup set,glass jar -1 no each	2017-18	2322	Functioning	ICAR
Food processer Fx10 (Bajaj make)-1 no	2017-18	4950	Functioning	ICAR
b. Farm machinery	•			
Rotavator	2012-2013	86,100	Running	ICAR
Seed cum fertilizer drill	2012-2013	52,100	Running	ICAR
Power thresher cum fan type winner(2nos)	2012-2013	39,600	Running	ICAR
Power sprayer(2nos)	2012-2013	12,688	Running	ICAR
Nine tyne cultivator	2012-2013	12,400	Running	ICAR
Rotavitor	2012-2013	86,100	Running	ICAR
c.AV Aids				
P A System	2011-12	43,445	Functioning	ICAR
DVD Player	2011-12	3790	Functioning	ICAR
Digital camera	2011-12	22,500	Functioning	ICAR
LCD	2011-12	34,900	Functioning	ICAR
Handy cam	2011-12	39,500	Functioning	ICAR
LCD Projector	2011-12	40,163	Functioning	ICAR
Sony Digital camera	2011-12	16,470	Functioning	ICAR
Nikon Digital camera	2011-12	4798	Functioning	ICAR
Picco projector	2017-18	22,000	Functioning	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavator	2012-2013	86,100	Running	ICAR
Seed cum fertilizer drill	2012-2013	52,100	Running	ICAR
Power thresher cum fan type winner(2nos)	2012-2013	39,600	Running	ICAR
Power sprayer(2nos)	2012-2013	12,688	Running	ICAR

Nine tyne cultivator	2012-2013	12,400	Running	ICAR

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of	Salient Recommendations	Action taken	If not conducted,
		Participants			state reason
1	6.9.18	35	In major thrust areas, effort should be made for	Modules on Doubling the farm income have	
			doubling the farmers income.	been prepared and being implemented in	
				three farming situations at five villages.	
			Each SHG of Bolangir has an approval of Rs	KVK has conducted training on drudgery	
			10,000/ towards procurement of drudgery reducing	reduction tools and their usage to 150 farm	
			farm implements, they may be trained on use of such	women members of SHGs under Watershed	
			farm implements for procurement.	departments.	
			Promotion of scientific management aspect of crop	Intervention on management and scientific	
			rather than varietal aspect/substitution.	crop husbandry have been given importance	
				while formulating the action plan.	
			Promotion of seed production of onion variety Agri	On farm testings on seed production of Onion	
			Found Light Red in the district so as to get quality	have been taken up and the result will be	
			seeds with awareness of farmers for transplanting in	discussed.	
			September.		
			Training programmes on canopy management of	Trainings under canopy management in	
			mango orchard should be given to more farmers with	Mango with other aspects have been taken up	
			awareness programme for better adoption.	in action plan of KVK during this year.	
			Development of technology package on season	This has been taken care of by KVK, but the	
			specific, drought specific, disease specific variety of	progress was slow. In the event of joining of	
			paddy, greengram, cotton, blackgram for the District	Scientist in Agronomy, he has been entrusted	
			may be done.	with this job and soon literature bulletins may	
				be published.	
			Popularisation of non BT cotton in the District may	Cotton growers are being advised and trained	
			be taken up	for growing non-Bt cotton, but farmers are	
				more interested for going into Bt cotton	
				cultivation. However, a new initiative has	
				been taken up this year for production of	
				Organic Cotton by the SMS(Cotton) with	
				capacity building of farmers by KVK.	
			Cluster demonstration on oilseed and pulses	The selection of farmers and site are being	
			programme should be conducted in convergence	done with consultation of line deptt. officials.	
			mode so as to have quantifiable impact . Agril. Deptt.	In every month Research Extension Linkage	

, District Watershed, Reliance Foundation may be approached for selection of patches & farmers from their operational area.	meeting is being conducted at KVK to discuss activities and work in convergence mode.
Documentation of achievements on technologies assessed during last five years may be done.	The process has been completed and ready to go to press for publication and those will be distributed among the stake holders.

^{*} 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.	Item	Information
no.		
1	Major Farming system/enterprise	Agriculture+Horticulture+Animal Husbandry
2	Agro-climatic Zone	Western Central table land zone
3	Agro ecological situation	Plain land Irrigated; Plain land rainfed; Undulating Sub mountaneous track; Undulating plain drought prone
4	Soil type	Mixed Red &black, Red, laterite &Mixed red and yellow
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy- 24 q/ha ,Arhar-12q/ha,Greengram-9q/ha,Groundnut-18q/ha,Sunflower-11q/ha
6	Mean yearly temperature, rainfall, humidity of the district	27.1°C, 855mm, 56 %
7	Production of major livestock products like milk, egg, meat etc.	Milk-88.01 TMT/ annum) ; Egg-370 Million/annum) ; Meat-10.13 TMT/annum)

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 (cropwise)	Identified Thrust Areas
1	Bolangir	Puintala	Banabahal	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t, Mushroom	Severe soil erosion in sloppy uplands. Severe crop weed competition in Kharif upland crops.	Crop diversification, Integrated Nutrient Management Practices,
2	Patnagarh	Patnagarh	Kaudia	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t,Fishery, Mushroom	Soil acidity - Poor knowledge about soil testing and soil health management Severe crop weed competition in Kharif upland crops	Quality seeds and seedling, Integrated Disease and pest, Weed management .Off season vegetable,Farm mechanization,
3	Bolangir	Puintala	Sirabahal	Paddy, Greengram, Arhar, Cuc umber, Tomato, Mango Vegeta ble, Poultry, Goat, Mushroom	Non availability of waste land management techniques. Severe crop weed competition in Kharif upland crops	Crop diversification, Farm mechanization, promotion of nutritional garden
4	Bolangir	Bolangir	Baragaon	Paddy, Greengram, Arhar, Cuc umber, Mango, Banana Vegeta ble, Poultry, Goat, Mushroom	Lack of storage facility for fruits and vegetables. Severe crop weed competition in Kharif upland crops	Crop diversification, Quality seeds and seedling, promotion of nutritional garden
5	Patnagarh	Patnagarh	Dhodamahu 1	Paddy,Greengram,Arhar,Cuc umber,TomatoVegetable,Poul try,Goat	Severe crop weed competition in Kharif upland crops Soil erosion,	Crop diversification, Farm mechanization, promotion of nutritional garden
					Non availability of waste land management techniques	

6	Bolangir	Deogaon	Budelguma	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t, Mushroom	Inadequate knowledge about post harvest technology Lack of storage facility Severe crop weed competition in Kharif upland crops	Crop diversification, , Quality seeds and seedling, Farm mechanization, promotion of nutritional garden
7	Bolangir	Loisingha	Magurbeda	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t	Inadequate knowledge about post harvest technology	Quality seeds and seedling, Integrated Disease and pest, Weed management Off season vegetable, Farm mechanization,
8	Patnagarh	Patnagarh	Tamiya	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t	Lack of storage facility for fruits and vegetables Poor nutrient status and low water holding capacity of soil	Recycling of farm waste through vermicomposting, Crop diversification
9	Patnagarh	Patnagarh	Bijamagur	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t, Mushroom	Severe crop weed competition in Kharif upland crops Non availability of waste land management techniques	Crop diversification, Integrated Nutrient Management Practices, Quality seeds and seedling,
10	Bolangir	Saintala	Budhabahal	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t, Mushroom	Lack of irrigation facility during Rabi/Summer except Hirakud command area Severe crop weed competition in Kharif upland crops Lack of storage facility for fruits and vegetables	Off season vegetable,Farm mechanization,promotion of nutritional garden
11	Bolangir	Loisingha	Dhauradada r	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t, Mushroom	Lack of storage facility for fruits and vegetables Inadequate knowledge about post harvest technology	Recycling of farm waste through vermicomposting, Off season vegetable, Crop Diversification
12	Bolangir	Deogaon	Uparjhar	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t	Non availability of waste land management techniques Severe crop weed competition in Kharif upland crops	Farm mechanization/drudgery reduction of farm women
13	Bolangir	Bolangir	Gandhrel	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t	Severe crop weed competition in Kharif upland crops	Offseason vegetable cultivation

14	Bolangir	Loisingha	Talliudar	Paddy, Greengram, Arhar, Cucumber, Vegetable, Poultry, Goat	Low and imbalance use of manures and fertilizers in all crops Lack of storage facility for fruits and vegetables	Crop diversification, Integrated Nutrient Management Practices, Quality seeds and seedling, Off season vegetable,
15	Bolangir	Bolangir	Larkipalli	Paddy, Greengram, Arhar, Cucumber, Vegetable, Poultry, Goat, Mushroom	Low availability and adoption of dryland farming technique Major weed problem in Kharif crops.	Crop diversification, Integrated Nutrient Management Practices, Farm mechanization, promotion of nutritional garden
16	Patnagarh	Patnagarh	Kutumunda	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t	Poor nutrient status and low water holding capacity of soil Lack of storage facility for fruits and vegetables	Crop diversification, Off season vegetable, promotion of nutritional garden
17	Bolangir	Deogaon	Jalia	Paddy, Greengram, Arhar, Cucumber, Vegetable, Poultry, Goat, Mushroom	Poor nutrient status and low water holding capacity of soil Lack of storage facility for fruits and vegetables	Quality seeds and seedling, Off season vegetable, Farm mechanization, promotion of nutritional garden
18	Bolangir	Gudvella	Saragada	Paddy,Greengram,Arhar,Cuc umber,Vegetable,Poultry,Goa t	Severe soil erosion in sloppy uplands Lack of storage facility for fruits and vegetables	Integrated Nutrient Management Practices, Quality seeds and seedling, Farm mechanization, promotion of nutritional garden

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					
Bargaon	Bolangir	Assessment on Integrated Management of Fruit flies in					
		Pointed gourd					
		FLD on Management of Downey Mildew in cucumber,					
		Growth regulator in Brinjal, Poultry, Goat Feeding and					
		Deworming, Cow feeding trial					
Banabahal	Puintala	FLD on Management of Downey Mildew in cucumber,					
		Poultry, Fodder					
Sirabahal	Puintala	FLD on Management of bud necrosis in groundnut					
Kaudia Patnagarh		FLD on Management of Maize stem borer, Anthracnose					
		Mango, Fodder cultivation					

Priority thrust areas

S. No	Thrust area
1.	Crop diversification
2.	Integrated Nutrient Management Practices
3.	Integrated Disease and pest Management
4.	Quality seeds and seedling production
5.	Income generation activities for rural women /school dropouts
6.	Value addition to seasonal vegetables/fruit
7	Feeding Management in Cows and Goats
8	Women empowerment through backyard poultry
9	Sustainable Livestock production during dry season
10	Proper health management of domestic animals and birds
11	Weed management and soil processing
12	Substitution of ruling varieties with improved /hybrid varieties
13	Market linkage and production strategies
14	Recycling of farm waste through vermicomposting
14	Farm mechanization/drudgery reduction of farm women
15	Offseason vegetable cultivation
16	Promotion of nutritional garden for nutritional security
17	Introduction of suitable varieties with improved packages of practices

18 Effective use of family labour through need based livelihood option

3. <u>TECHNICAL ACHIEVEMENTS</u>

3.A.Details of target and achievement of mandatory activities by KVK during the year 2018-19

	OFT											FLD											
No. of tec	No. of technologies tested:										No. of technologies demonstrated:												
Number	r of OFTs			N	lumbe	er of	farme	ers				Numbe	r of FLDs				Nun	nber	of farm	ners			
Target	Achieve	Target	Achi	ievei	ment			•	•			Target	Achieve	Target	Achi	Achievement							
	ment												ment										
			SC		ST		Othe	ers	Tota	ıl					SC		ST		Other	s	Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
8	8	56	11	0	5	0	41	0	57	0	57	17	17	170	24	7	11	5	117	8	152	20	172

	Training										Extension activities												
Number of Number of Participants Courses										Number of Number of participants activities													
Tar	Achie	Tar	Tar Achievement										Achie	Tar	Achi	ievem	ent						
get	vemen	get									et	vemen	get										
	t												t										
			SC		ST		Other	S	Total						SC		ST		Oth	ers	Tota	1	
								1		Т	1					1		1		1		1	T.
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
80	94	24	879	70	26	2	199	140	3134	231	3405	1350	1349	100	23	17	44	77	69	16	97	1902	1166
		00			5	3	3 8							00	20	5	6		95	50	61		3

	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	Target Achieveme SC nt				SC ST Other 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
130	130	8	0	4	0	19	0	31	0	31	7000	8122	32	10	18	8	44	21	94	39	133

Seed prod	duction (q)	Planting material (in Lakh)					
Target	Achievement	Target	Achievement				
165	165	2.5	2.625				

Livestock strains ar	d fish fingerlings produced	Soil, water, plant, manures samples tested					
Target	Achievement	Target	Achievement				
300 nos.	185 nos.	150 nos.	70nos.				

^{*} Give no. only in case of fish fingerlings

		P	Publication by KVKs	S			
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	2	-					
Seminar/conference/ symposia	3	-					
papers							
Books	1	20					
Bulletins							
News letter	1	500					
Popular Articles	4	-					
Book Chapter	2	-					
Extension Pamphlets/ literature	7	4220					
Technical reports	20						
Electronic Publication (CD/DVD							
etc)							
TOTAL	40	4740					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of tolerant varieties of Rice against BPH/WBPH infestation
2.	Problem diagnosed	BPH / WBPH infestation in lowland paddy growing area due to susceptible variety i.e, Swarna
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TOP 1: Growing of Rice variety Hasanta ,Small bold grains, white kernel, straw colour hull. Tolerant to BPH, leaf folder, blast, sheath blight TOP 2: Growing of Rice variety Pooja ,Medium size, slender grain, tolerant to drought condition, Tolerant to BPH & WBPH
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT
5.	Production system and thematic area	. Varietal substitution
6.	Performance of the Technology with performance indicators	No of panicle /m² ·yield/ha
7.	Final recommendation for micro level situation	Growing of Rice variety Hasanta ,Small bold grains, white kernel, straw colour hull. Tolerant to BPH, leaf folder, blast, sheath blight
8.	Constraints identified and feedback for research	Non availability adequate amount of variety
9.	Process of farmers participation and their reaction	Farmers are readily to adopt the variety due to higher yield and less insect pest incidence

Thematic area: Varietal substitution

Problem definition: BPH / WBPH infestation in lowland paddy growing area due to susceptible variety i.e, Swarna **Technology assessed:**

TOP 1: Growing of Rice variety Hasanta, Small bold grains, white kernel, straw colour hull. Tolerant to BPH, leaf folder, blast, sheath blight

TOP 2: Growing of Rice variety Pooja ,Medium size, slender grain , tolerant to drought condition , Tolerant to BPH & WBPH

Table: 1

Technology	No. of	Y	ield component		Disease/	Yield	Cost of	Gross return	Net return	B:C
option	trials	Panicles/m2	Panicles/m2 Grains/panicl T		insect pest		cultivation	(Rs/ha)		ratio
			e		incidence	(q/ha)			(Rs./ha)	
				grain wt.)	(%)		(Rs./ha)			
FP	7	257.6	95.8	19	23	35.8	Rs. 30,800	62,650	31,850	2.03
TOP 1	7	278.9	106.8	21	7.6	48.6	Rs. 30,800	84,700	53,900	2.75
TOP 2	7	279.7	109.9	22	10.2	44.5	Rs.30,800	77,875	47,075	2.52

OFT-2

1.	Title of On farm Trial	Assessment weed Management practices in Rice
2.	Problem diagnosed	Monocot and dicot weed infestation in lowland & medium land paddy growing area
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TOP 1: Pre-emergence application Bensulfuron Methyl 0.6% + Pretilachlor 6% (RM) @ 10kg/ ha
		TOP 2: Pre-emergence application Bensulfuron Methyl 0.6% + Pretilachlor 6% (RM) @ 7.5kg/ ha + Post emergence application of Bispyribac sodium @ 25 gm /ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT
5.	Production system and thematic area	. Weed Management
6.	Performance of the Technology with performance indicators	No of panicle /m² ·yield/ha
7.	Final recommendation for micro level situation	TOP 2: Pre-emergence application Bensulfuron Methyl 0.6% + Pretilachlor 6% (RM) @ 7.5kg/ ha + Post emergence application of Bispyribac sodium @ 25 gm /ha
8.	Constraints identified and feedback for research	Less weed incidence
9.	Process of farmers participation and their reaction	Farmers are ready to adopt the technology.

Thematic area: Weed Management

Problem definition: Monocot and dicot weed infestation in lowland & medium land paddy growing area

Technology assessed:

TOP 1: Pre-emergence application Bensulfuron Methyl 0.6% + Pretilachlor 6% (RM) @10kg/ ha

TOP 2: Pre-emergence application Bensulfuron Methyl 0.6% + Pretilachlor 6% (RM) @ 7.5kg/ ha + Post emergence application of Bispyribac sodium @ 25 gm /ha

Table: 1

Technology	No. of	Y	ield component		Disease/	Yield	Cost of	Gross return	Net return	B:C
option	trials	No. of	No. of	Test wt.	insect pest		cultivation	(Rs/ha)		ratio
		effective	spikelet per	(100	incidence	(q/ha)			(Rs./ha)	
		tillers/hill	panicle	grain wt.)	(%)		(Rs./ha)			
FP	7	257.6	95.8	19	23.2	42	Rs.30,200	73500	43300	2.43
TOP 1	7	278.9	106.8	21	21.1	46	Rs.29,700	80500	50800	2.71
TOP 2	7	279.7	109.9	22	21.1	49	Rs.31,200	85750	54550	2.74

OFT-3

1.	Title of On farm Trial	Assessment of effect of different date of sowing on yield of Cotton				
2.	Problem diagnosed	Sowing time of cotton coincides with onset of monsoon (generally first week of July) leading to wide gap in productivity				
3.	Details of technologies selected for assessment/refinement (Assessed)	TO-1 : Sowing during 3 rd week of June TO-2 : Sowing during 4 th week of June				
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS, Bhawanipatna, 2013				
5.	Production system and thematic area	Irrigated up / medium land : Cotton – Pulses cropping system				
6.	Performance of the Technology with performance indicators	Yield (TO-1: 10.41 Q/ha, TO-2: 12.12 Q/ha); Days to first plucking (TO-1: 133.5 days, TO-2: 130.8 days); Boll diameter (TO-1: 4.31 cm, TO-2: 4.57 cm)				
7.	Final recommendation for micro level situation	Sowing of cotton during 4th week of June for higher yield due to pre seasoning of seeds in warm soil for better germination and growth at the onset of monsoon				
8.	Constraints identified and feedback for research	Difficulty in land preparation before monsoon and Cotton of shorter duration (120 to 130 days) may be developed for rainfed areas				
9.	Process of farmers participation and their reaction	Farmers participated from start of land preparation to harvesting. Happy with the higher yield.				

Thematic area: Crop production

Problem definition: Sowing time of cotton coincides with onset of monsoon (generally first week of July) leading to wide gap in productivity

Technology assessed: TO-1: Sowing of cotton during 3rd week of June and TO-2: Sowing during 4th week of June against sowing during 1st week of July as farmers practice

Table:

Technology option	No.	of	Y	ield compone	ent	Disease/ insect pest	Yield	Cost of	Gross	Net	BC
	trials		Boll	Days to	Test wt.	incidence (%)	(q/ha)	cultivatio	return	return	ratio
			diam. in	first	(100			n	(Rs/ha)	(Rs./ha)	
			cm	plucking	grain wt.)			(Rs./ha)			
Sowing of cotton	7		4.31	133.5	-	Incidence of leaf	10.41	18500	56734	38234	3.06
during 3 rd week of						curling (24 %) and					
June						jassids (18 %)					
Sowing of cotton	7		4.57	130.8	-	Incidence of leaf	12.12	19500	66054	46554	3.38
during 4th week of						curling (26%) and					
June						jassids (15 %)					

Results: Sowing during 4th week of June gives yield 12.12 Q/ha. as compared to 10.41 Q/ha sown during 3rd week of June

OFT-4

1.	Title of On farm Trial	Assessment of integrated management of fruit flies in pointed gourd
2.	Problem diagnosed	Low yield from Pointed gourd due to moderate to severe infestation of fruit flies
3.	Details of technologies selected for assessment/refinement (Assessed)	TO- 1: Earthing up around the vine + Installation of Poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of malathion @ 1.5 ml /lit at 10 days interval TO- 2: Earthing up around the vine + Installation of poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of Protein hydrolisate (0.3%)+ Thiamethoxam @0.4gm /lit at 10 days interval

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT- 2016
5.	Production system and thematic area	Irrigated up / medium land : Vegetable-vegetable cropping system
6.	Performance of the Technology with performance indicators	Yield (TO-1: 213.14 Q/ha, TO-2: 219 Q/ha); Extent of infestation (TO-1: 13.1 %, TO-2: 12.52 %); Size of fruit (TO-1: 5.82 cm, TO-2: 6.1 cm)
7.	Final recommendation for micro level situation	Earthing up around the vine + Installation of poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of Protein hydrolisate (0.3%)+ Spraying Thiamethoxam@0.4gm/lit at 10 days interval
8.	Constraints identified and feedback for research	Difficulty in spraying and timely installation of poison bait
9.	Process of farmers participation and their reaction	Farmers participated during all IPM measures. Happy with the adult catch in the bait and higher yield.

Thematic area: Crop production

Problem definition: Low yield of quality pointed gourd due to infestation of fruit fly leading to yellowing, dropping and rotting of fruits

Technology assessed: TO-1: Earthing up around the vine + Installation of Poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of malathion @ 1.5 ml /lit at 10 days interval TO-2: Earthing up around the vine + Installation of poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of Protein hydrolisate (0.3%)+ Spraying Thiamethoxam@0.4gm/lit at 10 days interval

Table:

Technology option	No. of	Yie	Yield component			Yield	Cost of	Gross	Net return	BC ratio
	trials	No. of healthy fruits/ Vine	Size of fruit (cm)	Test wt. (100 grain wt.)	pest incidence (%)	(q/ha)	cultivatio n (Rs./ha)	return (Rs/ha)	(Rs./ha)	
Earthing up around the vine + Installation of Poison Bait (10ml malathion+ 50 gm	7	47	5.82	-	Infestation of fruit by fruit flies (13.1 %)	213.1	71500	319710	248210	4.47

										1.7
jaggery /lit) @ 20/ha and need based spraying of malathion @										
1.5 ml /lit at 10 days interval										
Earthing up around the vine + Installation of poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of Protein hydrolisate (0.3%)+ Spraying Thiamethoxam@0.4gm/lit at 10 days interval	7	61	6.1	-	Infestation of fruit by fruit flies (12.52 %)	219	72500	328500	256500	4.53

Results: IPM measures like Earthing up around the vine + Installation of poison Bait (10ml malathion+ 50 gm jaggery /lit) @ 20/ha and need based spraying of Protein hydrolisate (0.3%)+ Spraying Thiamethoxam@0.4gm/lit at 10 days interval controls the incidence of fruit flies at appreciable limit

OFT-5

1.	Title of On farm Trial	Performance of foliar application of nutrients on yield of green gram
2.	Problem diagnosed	Low yield due to no application of fertilizer
3.	Details of technologies selected for assessment/refinement	TOP 1 : Foliar application 2 % DAP at pre flowering and 15 days after first spray
	(Mention either Assessed or Refined)	TOP 2 : Foliar application 2 % NPK (19:19:19) pre flowing and 15 days after first spray
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT
5.	Production system and thematic area	Nutrient Management.
6.	Performance of the Technology with performance indicators	No of pods per plant
7.	Final recommendation for micro level situation	Foliar application 2 % NPK (19:19:19) pre flowing and 15 days after first spray resulted higher production
8.	Constraints identified and feedback for research	Difficulty in spraying due to growth of canopy in the main field
9.	Process of farmers participation and their reaction	Farmers participated well and happy with the result

Thematic area: Nutrient management

Problem definition: No application of fertilizer

Technology assessed: TOP 1: Foliar application 2 % DAP at pre flowering and 15 days after first spray, TOP 2: Foliar application 2 % NPK (19:19:19) pre flowing and 15 days after first spray

Table:

Technology	No. of	•	Yield component		Disease/	Yield	Cost of	Gross return	Net return	BC
option	trials	No. of	No. of spikelet	Test wt.	insect pes		cultivation	(Rs/ha)		ratio
		effective	per panicle	(100 grain	incidence (%) (q/ha)			(Rs./ha)	
		tillers/hill		wt.)			(Rs./ha)			
Greengram	7					8.0	25,720	48,000	22,280	1.86
						9.5	28,870	57,000	28,130	1.97
						9.7	29,050	58,200	29,150	2.00

OFT-6

1.	Title of On farm Trial	Assessment of low cost farm made feed formulations for cost effective milk production in cows
2.	Problem diagnosed	High cost of commercial cow feed leads to increase in cost of production of milk
3.	Details of technologies selected for assessment/refinement (Assessed)	TOP1:Low cost farm made feeding @ 3-3.5kg/day (Maize-40%, GNOC-25%, DORB 20%, wheat bran/chuni 10%, Mineral mix and Salt 5%) TOP2: Low cost farm made feeding @ 3-3.5kg/day (Maize-30, broken rice 10%, GNOC-20%, MOC-5% DORB 20%, wheat bran/chuni 10%, Mineral mix and Salt 5%)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NDDB, 2012

5.	Production system and thematic area	Livestock Production Management (Homestead)
6.	Performance of the Technology with performance indicators	Milk Production 1./day (TOP1: 6.31/day, TOP2:6.31/day)
7.	Final recommendation for micro level situation	(Maize-30, broken rice 10%, GNOC-20%, MOC-5% DORB 20%, wheat bran/chuni 10%, Mineral mix and Salt 5%. Feeding @ 3-3.5kg/day/cow
8.	Constraints identified and feedback for research	Readily availability of Oil cakes
9.	Process of farmers participation and their reaction	Farmers participated in Feed preparation mixing the ingredients and happy with the acceptability from the cow with decrease in cost of production

Thematic area: Livestock Production and Management

Problem definition: High cost of commercial cow feed leads to increase in cost of production of milk mainly in case of 5-6l/day yielders

Technology assessed:

TOP1: Low cost farm made feeding @ 3-3.5kg/day

(Maize-40%, GNOC-25%, DORB 20%, wheat bran/chuni 10%, Mineral mix and Salt 5%)

TOP2: Low cost farm made feeding @ 3-3.5kg/day

(Maize-30, broken rice 10%, GNOC-20%, MOC-5% DORB 20%, wheat bran/chuni 10%, Mineral mix and Salt 5%)

Table:

Technology option	No.	of		Y	ield com	ponei	nt		Disease/	Yield	Cost of	Gross	Net	BC ratio
	trials		No.	of	No.	of	Test	wt.	insect pest	(q/ha)	cultivatio	return	return	
			effective		spikelet	per	(100	grain	incidence		n	(Rs/ha)	(Rs./ha)	
			tillers/hill		panicle	•	wt.)		(%)		(Rs./ha)			
Maize-40%, GNOC-25%,	3		-		-			-	-	6.31/day	46.5/day/	44,100/co	28000/co	2.79
DORB 20%, wheat											cow	w/yr	w/yr	
bran/chuni 10%, Mineral mix														
and Salt 5%														
feeding @ 3-3.5kg/day														
Maize-30, broken rice 10%,	3		-		-			-	-	6.31/day/	45/day	44,100/co	28,350/c	2.8
GNOC-20%, MOC-5%										cow		w/yr	ow/yr	
DORB 20%, wheat														

bran/chuni 10%, Mineral mix					
and Salt 5%)					
feeding @ 3-3.5kg/day					

OFT-7

1.	Title of On farm Trial	Assessment of concentrate and mineral mixture supplementation on body weight gain in goats
2.	Problem diagnosed	Slow Body weight gain in goats due to browsing as the main source of feeding without any further feed supplementation throughout the year
3.	Details of technologies selected for assessment/refinement (Assessed)	TOP1:Browsing + Concentrate @ 100g/adult goat TOP2:Browsing + Mineral mixture @ 10g/adult goat TO3: Browsing + Concentrate @ 100g/adult goat + Mineral mixture @ 10g/adult goat (Deworming in all treatments, selection of 3months old goats)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIRG, 2012 NIANP, 2014
5.	Production system and thematic area	Livestock Production Management (Extensive-browsing)
6.	Performance of the Technology with performance indicators	Body weight gain (6m to 9m age) TOP1: 4.75Kg/3m TOP2: 3.03Kg/3m TOP3: 5.95Kg/3m
7.	Final recommendation for micro level situation	Browsing + Concentrate @100g/adult goat. Concentrate feeding on daily basis will increase the body weight gain in goat which will also be cost effective in-comparison to trial with both concentrate and mineral mix.
8.	Constraints identified and feedback for research	Area specific mineral mixture may be tried for justified result
9.	Process of farmers participation and their reaction	Farmers happy with the result of concentrate feeding in goat.

Thematic area: Livestock Production and Management

Problem definition: Slow Body weight gain in goats as browsing is the main source of feeding without any further feed supplementation throughout the year. The major concern is lean season when there is no grass to browse.

Technology assessed:

TOP1:Browsing + Concentrate @100g/adult goat

TOP2:Browsing + Mineral mixture @10g/adult goat
TO3: Browsing + Concentrate @100g/adult goat + Mineral mixture @10g/adult goat
(Deworming in all treatments, selection of 3months old goats)

Table:

Technology option	No.	of		Y	ield compon	ent			Disease	e/	Yield	Cost of	Gross	Net	BC
	trials	Ī	No.	of	No. of	f T	Гest	wt.	insect	pest	(q/ha)	cultivation	return	return	ratio
			effective		spikelet per	r ((100)	grain	incider	ice		(Rs./ha)	(Rs/ha)	(Rs./ha)	
			tillers/hill		panicle	v	wt.)		(%)						
Browsing +	20		-		-			-	-		4.75Kg/3m	282/	1306/goat/	1024/	4.63
Concentrate											(Body Wt.	goat/3m	3m wt.	goat/3m	
@100g/adult goat											Gain)	wt		wt	
Browsing + Mineral	20		-		-			-	-		3.03 Kg/3m	192/	833/goat/3	641/	4.33
mixture @10g/adult											(Body Wt.	goat/3m	m wt.	goat/3m	
goat											Gain)	wt		wt	
Browsing +	20		-		-			-	-		5.95 Kg/3m	372/	1636/goat/	126/	4.39
Concentrate@100g/adu											(Body Wt.	goat/3m	3m wt.	goat/3m	
lt goat + Mineral											Gain)	wt		wt 4	
mixture@10g/adult															
goat															

OFT-8

1.	Title of On farm Trial	Assessment of 3-row rice transplanter in paddy for drudgery reduction of farmwomen
2.	Problem diagnosed	High drudgery in manual transplanting
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TOP1-line transplanting with the help of rope TOP2-Transplanting by 3-row rice transplanter, size of mat is 22 cm in width, 45 cm in length & thickness of soil of 1.5 cm
4.	Source of Technology	AICRP on ESA, OUAT, 2015

5.	Production system and thematic area	Drudgery reduction
6.	Performance of the Technology with performance indicators	Output (m2/hr) -TOP 1: 50, TOP 2:130, WHR (Beats/min) TOP 1:112, TOP 2:130,
7.	Final recommendation for micro level situation	Transplanting by 3-row rice transplanter, size of mat is 22 cm in width, 45 cm in length & thickness of soil of 1.5 cm resulted in decrease in drudgery
8.	Constraints identified and feedback for research	3-row Rice Transplanter is suitable for upland, medium land and low land situation. But in low land situation special attention is to be given for water management and MAT nursery management
9.	Process of farmers participation and their reaction	Farmers are happy with the use of 3-row rice transplanter, need the machine in subsidy

Thematic area: Drudgery Reduction

Problem definition: High drudgery in manual transplanting

Technology assessed: TOP1--line transplanting with the help of rope, TOP2 Transplanting by 3-row rice transplanter, size of mat is 22 cm in width,45 cm in length & thickness of soil of 1.5 cm

Table:

Technology option	No. of trials	Yi	eld component		%	%	Cost of	Gross return	Net return	BC ratio
		Output (m2/hr)	WHR (Beats/min)	EER (Kj/min)	Increase in efficiency	reduction on drudgery	cultivation (Rs./ha)	(Rs/ha)	(Rs./ha)	
3 row rice transplanter	7	50,130	112,130	7.34, 16.64	-24, 96.96	-27.9, 63.29	33,000 32000	65000, 62400	32000, 30400	1.96 1.95

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

SI. No.	Crop	Thematic area Technology Demonstrated with detailed treatments					of fa	Reasons for shortfall in achieveme nt							
				Prop- osed	Act- ual	SC		ST		Oth	ers	Total	-		
						M	F	M	F	M	F	M	F	T	
1	Rice	Integrated nutrient management	Use of CLCC in HYV rice and application of nitrogeneous fertilizers in phases as per decision made through CLCC reading	2	2	1	0	1	0	8	0	10	0	10	
2	Cotto n	Intercropping	Intercropping of Cotton+Cowpea (1:2 ratio) with 30 cm line spacing between each line. Sowing of cotton and cowpea during fourth week of June&Application of herbicide Pendimethalin @2.5litre/ha	2	2	1	0	1	0	8	0	10	0	10	
3	Swee tcorn	Varietal Substitituon	Cultivation of Sweet corn var NHCS- 130(Sweet honey) with 78-85 days duration . Seed rate 6kg/ha,Soil test based fertilizer application , Need based PP Measure	2	2	2	0	1	0	7	0	10	0	10	
4	Gree ngra m	Varietal Substitituon	Demonstration of performance of greengram var. IPM-02-14 with STBFR, herbicide Quizalfop ethyl(1000 ml/ha)	2	2	0	0	0	0	0	0	10	0	19	
5	Ground nut	Integrated pest management	Demonstration of Erection of blue trap @ 20/ ha for pest monitoring + Seed treatment with Imidacloprid 70WS @ 5 gm/ kg seed+ Need based spraying of Thiamethoxam 25 WG @ 0.4 g / lit & Flonicamide 0.4 ml/ lit alternately at 10 days interval for management of bud and stem necrosis disease	2	2	1	0	1	0 8	3		0 1	0	0	1 0
6	Maiz e	Integrated pest management	Demonstration of Whorl application of Cartap Hydrochloride 4 GR @ 4 -5 granules/ whorl and need based spray of	2	2	2	0	2	0 6	5		0 1	0	0	1 0

															20
			Lamda Cyhalothrin @ 2 ml/lit at 15 days												
			interval for management of stem borer			1						4.0			
7	Mang	Integrated pest	Demonstration of Spraying of COC @ 2.5	0.	0.	3	0	0	0	7	0	10	0	1	
	0	management	gm/lit after fruit is harvested during pre-	5	5									0	
			khariff season with first spraying of												
			carbendazim @ 1.5 gm/lit at time of first												
			flowering time followed by Mancozeb 3												
			gm /lit after 15 days for management of floral anthracnose												
8	Cucu	Integrated pest	Demonstration of Seed treatment with	1	2	4	0	1	0	5	0	10	0	1	
0	mber	•	Thiophanate methyl 70 WP@ 2 gm/kg	1	2	4	U	1	U	3	U	10	U	$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$	
	ilibei	management	seed + Foliar application of Chlorothalonil											U	
			@ 2 ml/ lit and Cymoxanil 8 WP +												
			Mancozeb 64 WP @ 2 gm/lit alternately												
			at 12 days after interval for management												
			of downey mildew												
9	Brinjal	Nutient	Spraying of 2ppm(1ml/500 lit water)	2	2	6	0	0	0	0	0	4	0	1	
		Management	triacontanol+borax 35 mg/l at 15 days											0	
			after transplanting and again at time of full												
			bloom.												
10	Onion	Seed production	Seed production in onion by seed to seed	0	0	0	0	0	0	0	0	10	0	1	
			method											0	
11	Tomato	Varietal	Growing of triple resistant tomato variety	0	0	0	0	0	0	0	0	10	0	1	
		substitution	Arka rakshak											0	
12	Dairy	Livestock	Cultivation of hybrid napier ,two noded	10	1	0	0	0	0	10	0	10	0	1	
		Production	slits as planting material, planting at		0									0	
		Management	50x50 cm with application of soil test												
			based fertilizer; (FYM 1 kg, DAP 50 gm,												
			MOP 50 gm)/pit												
13	Dou1ter.	Livestock	Feeding @ 25-30kg/day/cow Poultry Var: Rainbow rooster for meat	10	1	2	0	1	0	7	0	10	0	1	
13	Poultry	Production	and egg production	(2	$\begin{vmatrix} 1 \\ 0 \end{vmatrix}$	2	0	1	10	1	U	10	U	$\begin{bmatrix} 1 \\ 0 \end{bmatrix}$	
		Management	Brooding, vaccination and feeding of	00	0									0	
		Trianagement	chicks upto 21 days and then mostly in	bir											
			backyard	ds											
)											
14	Goat	Livestock	Deworming with Closantel @10mg/Kg	9	9	0	0	1	0	8	0	9	0	9	
		Production	BW	(6	1						1				

		Management	Vitamin B complex 10 mg/Kg BW Repeat after 14 days	go ats											
15	Mang o	Nutrient Management	Drenching of paclobutrazole @15 ml/10 lit. of water in the root zone of plant(7-15 yr. old orchard),3 ft away from trunk in the month of September.	1	1	1	2	1	2	3	2	5	6	1 1	
16	Kitch en Gard en	Women in Agrl	Nutritiional garden with nutrient rich vegetables and fruits (Vegetable plots with spinach, carrot, onion, tomato, cucurbits, raddish, broccoli, peas; 2 plants each from papaya and banana with one drumstick plant)	1	1	0	3	0	2	3	3	3	8	1 1	
17	Mush room	Women in Agrl	Production of Paddy straw mushroom with thrashed straw (straw 5 kg with pulse powder 3% and soaking for 5 hr)	1	1	1	2	1	1	3	3	5	6	1	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	St	tatus of so (Kg/ha)	vil	ious crop	Sowing date	vest date	Seasonal infall (mm)	of rainy days
	S.	Fig. Sitt.	So	N	P ₂ O ₅	K ₂ O	Previous	Sow	Har	Seasc rainfall	No.
Paddy	Kharif 2018-19	Irrigated medium & low land	Sandy loam	320	44	130	Greengra m	7-10 July	16-18 Decemb er	955	5 7
Cotton	Kharif 2018-19	Irrigated up & medium land	Sandy loam	280	24	132	Brinjal	11-12 June	17-19 Decemb	955	5 7
Sweetco rn	Rabi 2018-19	irrigated upland	Sandy loam	290	32	140	Arhar	14-18 Novembe r	23-25 January	470	1 8

Green	Rabi	Rainfed	Sandy loam	298	18	125	Paddy	11-12	2-3	330	1
gram	2018-19	medium land						January	April		1
	kharif	Irrigated	Lateritic	280	16	130	Groundn	7-10.7.18	3-	490	
Groundnut							ut		12.10.18		
Maize	kharif	Irrigated	Red	320	20	130	Maize	3-5.7.18	26.9.18	478	
									to		
									3.10.18		
Mango	Kharif/Ra	Rainfed	Mixed	330	30	130	Mango	-	-	943	
	bi		red/black								
Cucumb	Rabi	Irrigated	Mixed	380	28	130	Brinjal	28-30 .1.19	1.3.19 to	212	
er			red/black						18.3.19		
Brinjal	Rabi-	Irrigated up	Sandy loam	298	18	125	Tomato	Novembe	March	248	
	2018-19	& medium						r			
		land									
	Rabi	Irrigated Up	Sandy loam	289	41	138	Onion	12	9 March	540	2
	2018-19	land						Septemb			2
Onion								er			
	Rabi	Irrigated	Sandy Loam	301	42	141	Tomato	18	16	540	2
	2018-19	Upland	-					Septemb	March		2
Tomato								er			
	Kharif	Iriigated	Sandy loam	290	21	117	Hybrid	June	August	914	4
Hybrid	2017-18`						Napier		and		8
Napier							-		Cont.		

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic	Name of the technology	No. of	Area	Yield (q/ha)	%	*Econo	mics of d	lemonstra	tion	*Econo	mics of o	check	
	Area	demonstrated	Farmers	(ha)			Increase	(Rs./ha)			(Rs./ha))		
					Demo	Check		Gross	Gross	Net	**	Gross	Gross	Net	**
								Cost	Return	Return	BCR	Cost	Return	Return	BCR

Groundnut	Integrated	Demonstration of	10	2	16.67	12.07	38.1	32000	91685	59685	2.86	29500	66385	36885	2.25
	pest	Erection of blue trap @													
	management	20/ ha for pest													
		monitoring + Seed													
		treatment with													
		Imidacloprid 70WS @													
		5 gm/ kg seed+ Need													
		based spraying of													
		Thiamethoxam 25 WG													
		@ 0.4 g / lit &													
		Flonicamide 0.4 ml/ lit													
		alternately at 10 days													
		interval for													
		management of bud and													
		stem necrosis disease													
Total			10	2	16.67	12.07	38.1	32000	91685	59685					

^{*} 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

Pulses Frontline demonstration on pulse crops

Crop	Thematic	Name of the	No. of	Are	Yield	(q/ha)	%	*Eco	nomics of	demonstr	ation	*E	Conomic	s of chec	k
	Area	technology	Farmer	a			Increas		(Rs.	./ha)			(Rs.	/ha)	
		demonstrated	S	(ha)	Dem	Chec	e	Gros	Gross	Net	**	Gros	Gross	Net	**
					О	k		S	Retur	Return	BC	S	Retur	Retur	BC
								Cost	n		R	Cost	n	n	R
Greengra	Varietal	Demonstratio	10	2	8.8	2.3	28.22	8076	61,38	142,57	7.6	4042	16042	12042	4.0
m	Substitituo	n of							0	9					
	n	performance													
		of greengram													
		var. IPM-02-													
		14 with													
		STBFR,													
		herbicide													
		Quizalfop													
		ethyl(1000													
		ml/ha)													

-										
- [
L										
		1.0	_	0.0						1
	Total	10	· ')	QQ	7) 2					1
	Total	10	_	0.0	2.3					1

^{*} 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	Themati	Name of the	No.	Are	Yield (q/ha)	%	О	ther		*Econon	nics of		*E	Conomi	cs of ch	eck
	c area	technology	of	a			chan	para	meters	dem	onstratio	on (Rs./	ha)		(Rs	./ha)	
		demonstrated	Far	(ha	Demo	Che	ge	De	Chec	Gro	Gross	Net	**	Gro	Gross	Net	**
			me)	ns	ck	in	mo	k	SS	Retur	Retu	BC	SS	Retur	Retur	BCR
			r		ration		yiel			Cost	n	rn	R	Cost	n	n	
							d										
Rice	Integrate	Use of CLCC in HYV	10	2	56	40	40	Pan	Panic	31,2	9800	668	3.1	31,1	7000	3890	2.25
	d	rice and application of						icle	les/m	00	0	00	4	00	0	0	
	nutrient	nitrogenous fertilizers						s/m	2				\				
	manage	in phases as per						2	325								
	ment	decision made through						361									
		CLCC reading															

Cotton	Intercro	Intercropping of	10	2	12.8	9.8	30.6	LE	LER-	205	6976	492	3.4	181	5341	35,30	2.95
	pping	Cotton+Cowpea ((Cotto	(See	1	R-	1.0	17	0	43		05	0	5	
		1:2 ratio) with 30			n	d		1.2									
		cm line spacing			Equiv	Cott		1									
		between each line.			elent	on)											
		Sowing of cotton			Yield)												
		and cowpea during															
		fourth week of															
		June&Application															
		of herbicide															
		Pendimethalin															
		@2.5litre/ha															
Sweet	Varietal	Cultivation of Sweet		2	93.6		5.16	Co	Cob	440	1581	114					3.3
corn	Substitit	corn var NHCS-						b	lengt	00	20	120					
	uon	130(Sweet honey) with						len	h								
		78-85 days duration.	10			89		gth	(cm)				3.5	440	1453	1063	
		Seed rate 6kg/ha,Soil						(c	17.4					00	00	00	
		test based fertilizer						m)									
		application, Need						18.									
		based PP Measure						1									

Maize	Integrate	Demonstration of	10	2	52045	500	4.1	Ext		590	2081	149	3.5	570	2000	1430	3.5
	d pest				cobs	05		ent		00	80	180	3	00	20	20	
	manage	Cartap				cobs		of									
	ment	Hydrochloride 4 GR						inf	21								
		@ 4 -5 granules/						est									
		whorl and need						atio									
		based spray of						n									
		Lamda Cyhalothrin						in	359								
		@ 2 ml/lit at 15						%									
		days interval for						12									
		management of stem															
		borer						Co									
								b									
								wt(
								gm									
)									
								375									
Mango	Integrate	Demonstration of	10	0.5	Cont			Ext									
	d pest							ent									
	manage	2.5 gm/lit after fruit						of									
	ment	is harvested during						inf									
		pre-khariff season						ecti	27								
		with first spraying						on									
		of carbendazim @						in									
		1.5 gm/lit at time of						%									
		first flowering time															
		followed by						14									
		Mancozeb 3 gm /lit															
		after 15 days for															
		management of															
		floral anthracnose															

Cucum	Integrate	Demonstration of	10	1	440.4	409	7.7	Ext		765	3523	275	4.6	740	3272	2532	4.4
ber	d pest	Seed treatment with						ent		00	20	820		00	00	00	
	manage	Thiophanate methyl						of									
	ment	70 WP@ 2 gm/kg						inf	25.6								
		seed + Foliar						ecti									
		application of						on									
		Chlorothalonil @ 2						in									
		ml/ lit and						%	10.4								
		Cymoxanil 8 WP +						14.									
		Mancozeb 64 WP @						6									
		2 gm/lit alternately															
		at 12 days after						No.									
		interval for						of									
		management of						plu									
		downey mildew						cki									
								ngs									
								14.									
								1									
Brinjal	Nutrient	Spraying of	10	2	181.5	134.	35.1	20.	17.4	99,3	1815	82,2	1.8	91,4	1343	42,90	1.46
	Manage	2ppm(1ml/500 lit				3		5		00	00	00	2	00	00	0	
	ment	water)															
		triacontanol+borax															
		35 mg/l at 15 days															
		after transplanting															
		and again at time of															
		full bloom.															
0 :	0 1	0 1 1	1	11	4.7	2.7	21.6	10	25.7	1.01	2.00	1.00	2.0	101	0210	1010	2.2
Onion	Seed	Seed production in	1	1ha	4.5	3.7	21.6	18.	25.7	1,01	3,00,	1,99	2.9	101	2318	1318	2.3
	producti	onion by seed to	0					5		,188	812	,624		088	12	12	
	on	seed method	1	0.7	420	2.12	25.0		00.0	1.01	2.55	1.05	0.1	1.00	2.05	05.05	1.7
Tomato	Varietal	Growing of triple	1	0.5	429	343	25.0	67.	88.9	1,21	2,57,	1,35	2.1	1,20	2,05,	85,06	1.7
	substitut	resistant tomato	0				7	4		,740	400	,660	1	,740	800	0	
	ion	variety Arka															
		rakshak	<u> </u>	<u> </u>				<u> </u>									

7	•
~	4

Mango	Growth	Drenching of	1	0.5	100	70	43		445	1500	105	3.3	400	1050	650	2.62
	regulato	paclobutrazole @15	1								5	7				
	r	ml/10 lit. of water in														
		the root zone of														
		plant(7-15 yr. old														
		orchard),3 ft away														
		from trunk in the														
		month of														
		September.														

Livestock

Categ The ory mat		Name of the technology	No. of	No. of	Major parameters		% chan	Other para	ameter	*Econo (Rs.)	omics of o	demonst	ration	*Economics of check (Rs.)			
Ory	c area	demonstrated	Far mer	uni ts	Dem ons ration	Check	ge in major para meter	Demons ration	Check	Gross Cost	Gross Return	Net Retur n	** BCR	Gross Cost	Gross Retur n	Net Retur n	** BC R
Dairy	LP M	Cultivation of hybrid napier ,two noded slits as planting material, planting at 50x50 cm Feeding-25-30 kg/cow/day	10	10 (0. 4ha)	4l/ cow/ day	41/ cow/da y	0	47/day Cost of producit on	34/day Cost of producit on	1260 0/co w/yr	28000 /cow/y r	1540 0/co w/yr	2.22	1700 0/ cow/ yr	2800 0/ cow/ yr	1100 0/ cow/ yr	1.64
Cow																	
Buffal																	
0																	
Poultr y	LP M	Poultry Var: Rainbow rooster for meat and egg production Brooding, vaccination and feeding of chicks upto 21 days and then mostly in backyard	1 0	200	2.2 kg/3 mont h	0.5kg/3 month	340%	Chick Mortalit y 11%	Chjck Mortalit y 24%	bird (3m weig ht)	440/ bird (3m weight	333/ bird (3m weig ht)	4.11	52/ bird (3m weig ht)	bird (3m weig ht)	bird (3m weig ht)	3.36
Rabbit																	
ry																	
Pigerr v																	

Sheep	LP	Deworming with	9	60	1.85	1.0	85%	-	-	98/	508/	410/	5.18	64/	275/	211/	4.29
and	M	Closantel			Kg/	Kg/				Goat	Goat	Goat		Goat	Goat	Goat	
goat		@10mg/Kg BW			3M	3M				(3m	(3m	(3m		(3m	(3m	(3m	
		Vitamin B								weig	weight	weig		weig	weig	weig	
		complex 10								ht))	ht)		ht)	ht)	ht)	
		mg/Kg BW														·	
		Repeat after 14															
		days															
Ducke																	
ry																	
Others																	
(pl.spe																	
cify)																	
Total			29														

^{*} 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

Category	Thematic	Name of the technology demonstrated	No. of Farmer	No.of	Maj param		% change in major parameter	Other parameter		*Econ	omics of (R	demonstr	ation	*Economics of check (Rs.)			
	area			units	Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common																	
carps																	
Mussels																	
Ornamental																	
fishes																	
Others																	
(pl.specify)																	
		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

Other enterprises

Category	Name of the	No. of	No.of	Major para	meters	% change	Other par	ameter		mics of dea	monstratio	on		mics of ch	eck	
	technology	Farmer	units			in major			(Rs.) or	Rs./unit			(Rs.) or	Rs./unit		
	demonstrated			Demons	Check	parameter	Demons	Check	Gross	Gross	Net	**	Gross	Gross	Net	**
				ration			ration		Cost	Return	Return	BCR	Cost	Return	Return	BCR
Paddy straw mushroom	Production of Paddy straw mushroom with thrashed straw (straw 5 kg with pulse powder 3% and soaking for 5 hr)	11	11	1.5kg/bed	1.6kg/bed	-6.7%	Days to first harvest- 22	Days to first harvest- 24	55/bed	150/bed	95/bed	2.72	60/bed	160/bed	100/bed	2.66
Button																
mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total		11	11													

^{*} 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

Catagoriu	Name of tack along	No of domonstrations	Observa	tions	Damadaa
Category	Name of technology	No. of demonstrations	Demonstration	Check	Remarks
Farm Women	Nutritiional garden with nutrient rich vegetables and fruits (Vegetable plots with spinach, carrot, onion, tomato, cucurbits, raddish, broccoli, peas; 2 plants	11	1.1 q/5cent	0.4q/5cent	

	each from papaya and banana with one drumstick plant)		
Pregnant women			
Adolescent Girl			
Other women			
Children			
Neonatal			
Infants			

Farm implements and machinery

Name of the	Crop	Name of the technology	No. of	Area (ha)	Filed observation (output/man hour)		% change in	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
implement		demonstrated	Farmer	(IIa)	Demons ration	Check	major parameter								

^{*} 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

Crop	Name of the	No. of farmers	Area (ha)	Yield (kg/ha)	/ major para	ameter	Economics (Rs./ha)			
	Hybrid									
Cereals				Demo	Local	%	Gross	Gross	Net	BCR
					check	change	Cost	Return	Return	
Bajra										
Maize	Deccan	10	2	52045 cobs/ ha	50005 cobs/ha	4.8	59000	208180	149180	3.53
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										

Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber	Trupti	10	1	440.4	409	7.7	76500	352320	275820	4.6
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										

Total										
Fodder crops										
Napier (Fodder)	Hybrid Napier	10	0.4	25q/10 cent	10q/10cent	150	17000/ cow/yr	28000/ cow/yr	11000/ cow/yr	1.64
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Cucumber	Difficulty in spraying at full fruiting stage, however the protection measures with suitable pesticide gave 30 Q more yield per
		hectare
2	Maize	Whorl application of granular pesticides is labour consuming, but management of stem borer is quiet effective
3	Groundnut	Timely intervention with erection of blue trap and seed treatment was effective to suppress the necrosis disease
4	Mango	Spraying in floral parts in taller trees is difficult, however pea size fruit retention was greater leading to good fruit setting
5	Dairy (Fodder)	Difficult to maintain during winter and Summer due to scarcity of water

Extension and Training activities under FLD

Sl.	Activity	Date	No. of activities	Number of	Remarks
No.			organized	participants	
1.	Field days	30.01.19	1	50	Field Day on CLCC
	-	24.1.19	1	25	MGMT of Bud necrosis
		31.01.19	1	30	Field Day on Rainbow rooster
		08.02.19	1	30	Field Day on Fodder
2.	Farmers Training	14.08.19	1	25	Training on Fodder
		18.8.18	1	25	Trg. on Maize stem borer
		30.08.18	1	25	Training on brooding
		30.10.18	1	25	Training on mgmt. of kids
		10.12.18 to	1	15	Training on Poultry
		12.12.18			
3.	Media coverage			_	
4.	Training for extension functionaries	29.9.18	1	12	Training on AESA in paddy



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

A. Technical Parameters:

$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	er of far mer s	in ha	M	(q/ha))		inimiz (%)	
variet (q/h tric e ntial y lel name vie d d ld (S) (P)	far mer	ha	M					
y name a) t yiel yiel yiel d d ld (S) (P)	mer		М					
name yie d d ld (S) (P)				Mi	A	D	S	P
			ax.	n.	v.			1
(D)	47	20	1.4	7	1.1	17	1.1	10
Arhar Local 7.0 8.0 10.6 14.5 variety PRG176+Seed	47	20	14.	7. 0	.8	17 .5	11	18 .6
dressing, vitavax			_		.0			.0
power@3gm/kg								
seed and rhizobium								
culture treatment@20gm/k								
g seed, Soil								
micronutrient								
application,								
Zypmite plus								
@ 1qtl/ha, Application of								
herbicide								
Imazethapyr @750								
ml/ha, PP Chemical								
Lambdacyhalothrin @2ml/ltr								
2 Grou Local 14.1 17. 14.4 20.4 Var Devi,	50	40	25.	12	18	7.	28	-
ndnut 2 Application of			1	.6	.5	5	.4	10
herbicides and								
Plant protection measures as per								
need need								
3 Gree Jhain 4.5 4.5 8 Seed 40kg (Var.	63	30	9.3	5.	7.	4.	4.	8
ngra mung 4.8 IPM 2-03) +500gm				1	5	8	5	
m Rhizobium+2.5kg PSB per ha and								
Soil test based								
fertilizer								
application. PP								
chemical Metalaxyl +Mancozeb @2								
+Mancozeb @2 ml/lit +								
Dinotefuran								
@5ml/lit								
+Lambada								
Cyhalothin 2ml/lit+								
Yellow stick trap 50 pcs /ha+								
Tricocard 10pcs/ha					L	L		

4	Chick	Local	5.3	9.1	7.68	15	50kg seed (Var.	22	10	17.	9.	13	9.	7.	20
	pea			8			NBeG-3) +800gm			65	13	.3	18	68	
	(Rabi						Rhizobium+10kg					9			
	-						PSB per ha and								
	2018-						Soil test based								
	19)						fertilizer								
							application. PP								
							chemical Metalaxyl								
							+Mancozeb @2								
							ml/lit +								
							Dinotefuran								
							@5ml/lit								
							+Lambada								
							Cyhalothin2ml/lit+								
							Yellow stick trap								
							50 pcs /ha								
							_								

B. Economic parameters

S1.	Variety demonstrated &	Fai	rmer's Exi	sting plot			Demonstra	ation plot	
No.	Technology								
	demonstrated	Gross	Gross	Net	B:C	Gross	Gross	Net	B:C
		Cost	return	Return	ratio	Cost	return	Return	ratio
		(Rs/ha)	(Rs/ha)	(Rs/ha)		(Rs/ha)	(Rs/ha)	(Rs/ha)	
	variety PRG176+Seed	19,500	35,000	15,500	1.8	26,400	59,000	32,600	2.3
1	dressing, vitavax								
	power@3gm/kg seed								
	and rhizobium culture								
	treatment@20gm/kg								
	seed, Soil micronutrient								
	application, Zypmite								
	plus								
	@1qtl/ha,Application								
	of herbicide								
	Imazethapyr@750								
	ml/ha,PP Chemical								
	Lambdacyhalothrin@2								
	ml/ltr	25.250	70.500	25250	2.00	40000	04.250	50.050	2.2
2	Seed var. Devi, STBF,	35,250	70,500	35250	2.00	40980	94,250	53,270	2.3
	Application of								
	Herbicide								
	Imazethapyr@750								
	ml/ha, PP Chemical								
	metalaxyl+mancozeb@								
3	2gm/ltr	16 200	27.000	10.700	1.6	21 200	45,000	22 000	2.1
3	Seed 40kg (Var. IPM 2-	16,300	27,000	10,700	1.6	21,200	45,000	23,800	2.1
	03) +500gm								
	Rhizobium+2.5kg PSB								
	per ha and Soil test based fertilizer								
	application. PP								
	chemical Metalaxyl								
	+Mancozeb @2 ml/lit +								
	Hyrancozeb @2 mi/fit + Dinotefuran @5ml/lit								
	+Lambada Cyhalothin				1				

	2ml/lit+ Yellow stick								
	trap 50 pcs /ha								
4	50kg seed (Var. NbeG-	19,300	26,500	7,200	1.3	28,400	61,600	33,200	2.16
	3) +800gm								
	Rhizobium+10kg PSB								
	per ha and Soil test								
	based fertilizer								
	application. PP								
	chemical Metalaxyl								
	+Mancozeb @2 ml/lit +								
	Dinotefuran @5ml/lit								
	+Lambada								
	Cyhalothin2ml/lit+								
	Yellow stick trap 50 pcs								
	/ha								

C. Socio-economic impact parameters

SI. No	Crop and variety Demonstrated	Total Produc e Obtain ed (kg)	Produc e sold (Kg/ho usehol d)	Sellin g Rate (Rs/K g)	Produ ce used for own sowin g (Kg)	Produce distribut ed to other farmers (Kg)	Purpose for which income gained was utilized	Employ ment Generate d (Manday s/house hold)
1	PRG176+Seed dressing, vitavax power@3gm/kg seed and rhizobium culture treatment@20gm/kg seed, Soil micronutrient application, Zypmite plus @1qtl/ha, Application of herbicide Imazethapyr@750 ml/ha,PP Chemical Lambdacyhalothrin@2ml/ltr	1180	1000	50/-	180	-	To mitigate daily requirem ent, repayme nt of loan etc.	90 man days(in ha)
2	Groundnut var. Devi	1885 (in average cluster in ha)	1400	Rs50/	485	-	To mitigate daily requirem ent, repayme nt of loan etc.	140 Man days (ha)
3	Seed 40kg (Var. IPM 2-03) +500gm Rhizobium+2.5kg PSB per ha and Soil test based fertilizer application. PP chemical Metalaxyl +Mancozeb @2 ml/lit + Dinotefuran @5ml/lit +Lambada Cyhalothin 2ml/lit+ Yellow stick trap 50 pcs /ha+ Tricocard 10pcs/ha + Tricocard 10pcs/ha	750	530	60/-	220	-	To mitigate daily requirem ent, repayme nt of loan etc.	70 man days (in ha)

4	50kg seed (Var. NbeG-3)	1339	680	50/-	480	-	То	60 man
	+800gm Rhizobium+10kg						mitigate	days(in
	PSB per ha and Soil test						daily	ha)
	based fertilizer application.						requirem	
	PP chemical Metalaxyl						ent,	
	+Mancozeb @2 ml/lit +						repayme	
	Dinotefuran @5ml/lit						nt of loan	
	+Lambada						etc.	
	Cyhalothin2ml/lit+ Yellow							
	stick trap 50 pcs /ha							

D. Farmers' perception of the intervention demonstrated

Sl.	Technologies			Farmers' Per	ception par	ameters	
No	demonstrated	Suitabili	Likings	Affordab	Any	Is	Suggestion
	(with name)	ty to their farming system	(Preferen	ility	negative effect	Technology acceptable to all in the group/village	s, for change/im provement, if any
1	PRG176+Seed dressing, vitavax power@3gm/kg seed and rhizobium culture treatment@20gm/kg seed, Soil micronutrient application, Zypmite plus@1qtl/ha,Application of herbicide Imazethapyr@750 ml/ha,PP Chemical Lambdacyhalothrin@2ml/ltr	Suitable	PRG176 variety performi ng good yield and of shorter duration than Asha	Yes	Pest problem , can be manage d	Yes	Ensure availability of seed
2	Seed var. Devi,STBF,Application of Herbicide Imazethapyr@750 ml/ha,PPcChemical metalaxyl+mancozeb@2g m/ltr	Suitable	The yield of this variety Devi is very good and drought tolerant	Yes	Nil	Yes	
3	Seed 40kg (Var. IPM 2-03) +500gm Rhizobium+2.5kg PSB per ha and Soil test based fertilizer application. PP chemical Metalaxyl +Mancozeb @2 ml/lit + Dinotefuran @5ml/lit +Lambada Cyhalothin 2ml/lit+ Yellow stick trap 50 pcs /ha+ Tricocard 10pcs/ha + Tricocard 10pcs/ha	Suitable	Var. IPM 2-03 performi ng good yield	Yes	No	Yes	-
4	50kg seed (Var. NBeG-3) +800gm Rhizobium+10kg PSB	Suitable	Variety NBeG- 3variety	Yes	No	Yes	-

per ha and Soil test based	performi		
fertilizer application. PP	ng good		
chemical Metalaxyl	yield		
+Mancozeb @2 ml/lit +			
Dinotefuran @5ml/lit			
+Lambada			
Cyhalothin2ml/lit+			
Yellow stick trap 50 pcs			
/ha			

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of	Farmers Feedback
		Technology vis-a vis Local Check	
Variety PRG176(ICPL	PRG176Performing very	PRG176 performing	Farmers satisfied with
87119) Performing very	good	better yield in comparison	this technology and
good yield		to local variety	demand short duration
Application of	Application of	In local check ,There is	Arhar variety
Application of Herbicide Imazethapyr	Application of Imazethapyr performing	no weed control so yield	Farmers are very happy and satisfied with this
Herbicide imazemapyi	better for weed control	is very poor in	technology
	better for weed control	comparison to Demo .	teemology
Seed Variety Devi is a	Performance is very good	In local variety the yield	Farmers are very happy
early maturing and	yield	quantity is very less in	and satisfied this
drought tolerant variety		comparison to Demo	technology(yield is very
		variety	good in comparison to
A 11 C	D 6	X 1 1 1 1 777	local variety)
Application of	Performance is very good	In local check ,There is	Farmers are very happy
Herbicide	for weed control	no weed control so yield	and satisfied with this
Imazethapyr@750ml/ha		is very poor in comparison to Demo	technology
		variety	
Var. IPM 2-	Var. IPM 2-03Performing	Var. IPM 2-03Performing	Farmers satisfied with
03Performing very good	very good	better yield in comparison	this technology and
yield		to Local variety.	demand huge amount of
			this variety of seed in
			proper time
Variety NBeG-3	NBeG-3 Performing very	Variety NBeG-3	Farmers satisfied with
Performing very good	good	Performing better yield in	this technology and
yield		comparison to Local	demand huge amount of this variety of seed in
		variety.	proper time
			proper time

F. Extension activities under FLD conducted:

1. L'Attension act	ivities under TED conducted.		
Sl. No.	Extension Activities	Date and place of	Number of farmer
	organized	activity	attended
1	Field day	11.07.18/ Sirabahal	45
		16.7.2018 /Siranahal	45
		28.3.18/Banabahal	40
		16.3.2018/Banbahal	25

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







H. Farmers Training and field visit













I. Quality ActionPhotographs of field visits/field days and technology demonstrated.













J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Arhar	i) Critical input	1,62,000	1,62,000	0
	ii) TA/DA/POL etc. for monitoring	18,000	-	0
	iii) Extension Activities (Field day)		11,705	0
	iv)Publication of literature		6295	0
Groundnut	i) Critical input	2,16,000	2,16,000	0
	ii) TA/DA/POL etc. for monitoring	24,000	-	0
	iii) Extension Activities (Field day), Training and Misc.		17,700	0
	iv)Publication of literature		6300	0
Greengram	i) Critical input	1,62,000	1,62,000	0
	ii) TA/DA/POL etc. for monitoring	18,000	0	0
	iii) Extension Activities (Field day),training,and misc.		11,705	0
	iv)Publication of literature		6295	0
Chickpea	i) Critical input	81000	81000	0
	ii) TA/DA/POL etc. for monitoring	-	-	0
	iii) Extension Activities (Field day),training,and misc.	2705	2705	0
	iv)Publication of literature	6295	6295	0
	Total	690000	690000	0

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

A) Farmers and farm women (on campus)

Thematic Area	No. of			N	o. of l	Partici	pants		Grand To			d Tota	otal	
	Courses		Other			SC	•		ST					
		M	F	T	M	F	T	M	F	T	M	F	T	
I. Crop Production														
Weed Management														
Resource Conservation														
Technologies														
Cropping Systems														
Crop Diversification														
Integrated Farming														
Water management														
Seed production														
Nursery management														
Integrated Crop Management														
Fodder production														
Production of organic inputs														
Others, (cultivation of crops)														
II. Horticulture														
a) Vegetable Crops														
Integrated nutrient management														
Water management														
Enterprise development														
Skill development														
Yield increment														
Production of low volume and high														
value crops														
Off-season vegetables														
Nursery raising														
Export potential vegetables														
Grading and standardization														
Protective cultivation (Green														
Houses, Shade Net etc.)														
Others, if any (Cultivation of														
Vegetable)														
Training and Pruning														
b) Fruits														
Layout and Management of														
Orchards														
Cultivation of Fruit													<u> </u>	
Management of young														
plants/orchards		-			1									
Rejuvenation of old orchards													 	
Export potential fruits		-			1		-	-	-					
Micro irrigation systems of														
orchards					-								<u> </u>	
Plant propagation techniques														
Others, if any(INM)					-								<u> </u>	
c) Ornamental Plants			<u> </u>								I			

Thematic Area	No. of	No. of Participants										Grand Total		
	Courses		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T	
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													<u> </u>	
Processing and value addition													<u> </u>	
Others, if any													<u> </u>	
e) Tuber crops														
Production and Management														
technology		<u> </u>			-					<u> </u>			<u> </u>	
Processing and value addition		<u> </u>			1					<u> </u>			<u> </u>	
Others, if any													<u> </u>	
f) Spices														
Production and Management														
technology													<u> </u>	
Processing and value addition													<u> </u>	
Others, if any													<u> </u>	
g) Medicinal and Aromatic Plants														
Nursery management														
Production and management														
technology														
Post harvest technology and value														
addition													<u> </u>	
Others, if any													<u> </u>	
III. Soil Health and Fertility														
Management		<u> </u>								<u> </u>			<u> </u>	
Soil fertility management	1	17	0	17	3	0	3	5	0	5	25	0	25	
Soil and Water Conservation														
Integrated Nutrient Management		<u> </u>			1					<u> </u>			—	
Production and use of organic														
inputs		<u> </u>											-	
Management of Problematic soils	1		0	0	4	21	25		_		4	0.1	25	
Micro nutrient deficiency in crops	1	0	0	0	4	21	25	0	0	0	4	21	25	
Nutrient Use Efficiency	+	 			1					-			<u> </u>	
Soil and Water Testing					1								-	
Others, if any IV. Livestock Production and	+				1					1			1	
Management Dairy Management	+	 			-					 			 	
Dairy Management	+	 			-					 			 	
Poultry Management	+	 			-					 			 	
Piggery Management	+	 			-					 			 	
Rabbit Management	+	 			-					 			 	
Disease Management	+	 			-					 			 	
Feed management	+	 			-					 			+	
Production of quality animal		<u> </u>							<u> </u>					

Thematic Area	No. of	No. of Participants										Grand Total			
	Courses	Other SC ST													
		M	F	T	M	F	T	M	F	T	M	F	T		
products															
Others, if any Goat farming															
V. Home Science/Women															
empowerment															
Household food security by															
kitchen gardening and nutrition															
gardening Design and development of															
low/minimum cost diet															
Designing and development for															
high nutrient efficiency diet															
Minimization of nutrient loss in															
processing															
Gender mainstreaming through															
SHGs															
Storage loss minimization					1										
techniques															
Enterprise development															
Value addition															
Income generation activities for															
empowerment of rural Women															
Location specific drudgery															
reduction technologies															
Rural Crafts															
Capacity building															
Women and child care															
Others, if any															
VI.Agril. Engineering															
Installation and maintenance of															
micro irrigation systems															
Use of Plastics in farming practices															
Production of small tools and															
implements															
Repair and maintenance of farm															
machinery and implements															
Small scale processing and value															
addition															
Post Harvest Technology															
Others, if any															
VII. Plant Protection															
Integrated Pest Management															
Integrated Disease Management															
Bio-control of pests and diseases					1			-							
Production of bio control agents															
and bio pesticides Others if any					1										
Others, if any VIII. Fisheries					1										
					1					1					
Integrated fish farming			1		1			-	-	1					
Carp breeding and hatchery															
management Corn fry and fingerling regging					1										
Carp fry and fingerling rearing					1			1							
Composite fish culture & fish					1			<u> </u>		1	I		<u> </u>		

Thematic Area	No. of			No	o. of l	Partici	pants				Grand Total			
	Courses		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T	
disease														
Fish feed preparation & its														
application to fish pond, like														
nursery, rearing & stocking pond														
Hatchery management and culture														
of freshwater prawn														
Breeding and culture of														
ornamental fishes														
Portable plastic carp hatchery														
Pen culture of fish and prawn														
Shrimp farming														
Edible oyster farming														
Pearl culture														
Fish processing and value addition														
Others, if any														
IX. Production of Inputs at site														
Seed Production														
Planting material production														
Bio-agents production														
Bio-pesticides production														
Bio-fertilizer production														
Vermi-compost production														
Organic manures production														
Production of fry and fingerlings														
Production of Bee-colonies and														
wax sheets														
Small tools and implements														
Production of livestock feed and														
fodder														
Production of Fish feed														
Others, if any														
X. Capacity Building and Group														
Dynamics														
Leadership development														
Group dynamics														
Formation and Management of														
SHGs														
Mobilization of social capital														
Entrepreneurial development of														
farmers/youths														
WTO and IPR issues														
Others, if any														
XI Agro-forestry														
Production technologies														
Nursery management														
Integrated Farming Systems														
XII. Others (Pl. Specify)														
TOTAL	2	17	0	17	7	21	28	5	0	5	29	21	50	

B) Rural Youth (on campus)

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	0	10	10	0	4	4	0	1	1	0	15	15
Bee-keeping													
Integrated farming	2	24	0	24	8	0	8	2	0	2	34	0	34
Seed production	2	0	0	0	25	1.1	26	0			24	11	4.5
Production of organic inputs	3	9	0	9	25	11	36	0	0	0	34	11	45
Integrated Farming Planting material production													
Vermi-culture													
Sericulture Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm													
machinery and implements													
Nursery Management of													
Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal													
products													
Dairying													
Sheep and goat rearing	1	14	0	14	0	0	0	1	0	1	15	0	15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	8	0	8	4	0	4	3	0	3	15	0	15
Ornamental fisheries													
Enterprise development	1	8	0	8	3	0	3	4	0	4	15	0	15
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	1
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	9	63	10	73	40	15	55	10	1	11	113	26	139

C) Extension Personnel (on campus)

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	.1
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field	2	15	5	20	2	0	2	0	0	0	17	5	22
crops													
Value addition	1	0	10	10	0	0	0	0	0	0	0	10	10
Integrated Pest Management	1	6	0	6	2	0	2	8	0	8	16	0	16
Integrated Nutrient management	1	5	0	5	3	0	3	2	0	2	10	0	10
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of													
SHGs													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT	1	6	0	6	4	0	4	0	0	0	10	0	10
application													
Care and maintenance of farm													
machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder													
production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet													
designing													
Production and use of organic	1	8	2	10	1	1	2	0	0	0	9	3	12
inputs													
Gender mainstreaming through													
SHGs													
TOTAL	7	40	17	57	12	1	13	10	0	10	62	18	80

D) Farmers and farm women (off campus)

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	1
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	21	2	23	1	0	1	1	0	1	25	0	25
Resource Conservation													

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	Т
Technologies													
Cropping Systems													
Crop Diversification	1	24	0	24	1	0	1	0	0	0	25	0	25
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	2	46	0	46	3	0	3	1	0	1	50	0	50
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green													
Houses, Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of													
Orchards													
Cultivation of Fruit													
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of													
orchards													
Plant propagation techniques													-
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants					ļ							1	
Export potential of ornamental													
plants				-	1							<u> </u>	
Propagation techniques of													
Ornamental Plants				-	1							<u> </u>	
Others, if any					ļ							1	
d) Plantation crops					ļ							1	
Production and Management													\bot

Thematic Area	No. of			No	of I	Partici	nants				Gran	d Tota	1
Thematic Tired	Courses		Other		. 01 1	SC	pants		ST		Oran	u Tota	,1
		M	F	Т	M	F	Т	M	F	Т	M	F	Т
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								Ĺ					
Production and management													
technology													
Post harvest technology and value													
addition													
Others, if any													
III. Soil Health and Fertility													
Management													
Soil fertility management	1	17	0	17	4	0	4	4	0	4	25	0	25
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic													
inputs													
Management of Problematic soils	1	12	2	14	9	1	10	1	0	1	22	3	25
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and													
Management													
Dairy Management	3	49	0	49	14	0	14	12	0	12	75	0	75
Poultry Management	1	10	0	10	2	0	2	13	0	13	15	0	15
Piggery Management													
Rabbit Management													
Disease Management													
Feed management	2	50	0	25	0	0	0	0	0	0	50	0	50
Production of quality animal													
products													<u> </u>
Others, if any Goat farming	2	42	0	42	4	0	4	4	0	4	50	0	50
V. Home Science/Women													
empowerment													<u> </u>
Household food security by	1	0	18	18	0	7	7	0	0	0	0	25	25
kitchen gardening and nutrition													
gardening													<u> </u>
Design and development of													
low/minimum cost diet													

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	Т	M	F	T	M	F	T	M	F	T
Designing and development for													
high nutrient efficiency diet													
Minimization of nutrient loss in													
processing													
Gender mainstreaming through													
SHGs													<u> </u>
Storage loss minimization													
techniques													<u> </u>
Enterprise development													<u> </u>
Value addition													
Income generation activities for	1	0	23	23	0	0	0	0	2	2	0	25	25
empowerment of rural Women									10				
Location specific drudgery	2	0	35	35	0	5	5	0	10	10	0	50	50
reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													<u> </u>
Installation and maintenance of													
micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and													
implements													
Repair and maintenance of farm													
machinery and implements													
Small scale processing and value addition													
													<u> </u>
Post Harvest Technology Others, if any													-
VII. Plant Protection													-
Integrated Pest Management	5	88	0	88	15	0	15	22	0	22	125	0	125
Integrated Pest Management Integrated Disease Management	2	25	0	25	22	0	22	3	0	3	50	0	50
Bio-control of pests and diseases	1	22	0	22	1	0	1	2	0	2	25	0	25
Production of bio control agents	1	22	0	22	1	0	1	<u> </u>	0		23	U	23
and bio pesticides													
Others, if any													+
VIII. Fisheries													+
Integrated fish farming													
Carp breeding and hatchery													+
management													
Carp fry and fingerling rearing													
Composite fish culture & fish													
disease													
Fish feed preparation & its												<u> </u>	
application to fish pond, like													
nursery, rearing & stocking pond													
Hatchery management and culture													
of freshwater prawn													
Breeding and culture of													
ornamental fishes													
Portable plastic carp hatchery													

Thematic Area	No. of			No	o. of I	Partici	pants				Gran	d Tota	.1
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	Т	M	F	Т
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and													
wax sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of													
SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													igsquare
Others, if any													igsquare
XI Agro-forestry													igsquare
Production technologies													igsquare
Nursery management													igsquare
Integrated Farming Systems													
XII. Others (Pl. Specify)		_											\sqcup
TOTAL	26	406	80	486	76	13	89	63	12	75	537	103	640

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of			No.	of Pa	rticij	ants				Grand	Total	
	Cours		Other			SC			ST				
	es	M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming		•		•									

Thematic Area	No. of			No.	. of Pa	artici	oants				Grand	Total	
	Cours		Other			SC			ST				
	es	M	F	T	M	F	T	M	F	T	M	F	Т
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of													
vegetable crops				Ì									
Commercial fruit production													
Repair and maintenance of													
farm machinery and				Ì									
implements													
Nursery Management of				Ì									
Horticulture crops				1	<u> </u>								
Training and pruning of		· 		1									
orchards													
Value addition													
Production of quality animal				Ì									
products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production				<u> </u>									
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing				Ì									
technology													
Fry and fingerling rearing			igsqcut		$oxed{oxed}$	$oxed{oxed}$						<u> </u>	
Small scale processing					<u> </u>								
Post Harvest Technology			igsqcut		$oxed{oxed}$	$oxed{oxed}$						<u> </u>	
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL												<u> </u>	

F) Extension Personnel (Off Campus)

Thematic Area	No. of			No.	of Pa	ırtici	ants				Grand	Total	
	Cours		Other			SC			ST				
	es	M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field													
crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													

Thematic Area	No. of			No	of Pa	rticip	oants				Grand	Total	
	Cours		Other			SC			ST				
	es	M	F	T	M	F	T	M	F	T	M	F	T
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

$\label{eq:consolidated} \textbf{G) Consolidated table (ON and OFF Campus)}$

i. Farmers& Farm Women

Thematic Area	No.			No.	of Pa	rticip	ants				Grai	nd Tot	al
	of	•	Other			SC			ST				
	Cour ses	M	F	T	M	F	Т	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	21	2	23	1	0	1	1	0	1	25	0	25
Resource Conservation													
Technologies													
Cropping Systems													
Crop Diversification	1	24	0	24	1	0	1	0	0	0	25	0	25
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	2	46	0	46	3	0	3	1	0	1	50	0	50
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)		_											
TOTAL													
II. Horticulture													
a) Vegetable Crops													

Thematic Area	No.			No.	of Pa	rticip	ants				Grar	d Tot	al
Thematic fire	of		Other	110.		SC	and		ST		Gran	u IV	ai.
	Cour	M	F	Т	M	F	Т	M	F	Т	M	F	T
	ses	171	F	1	171	I.	1	171	Г	1			
Integrated nutrient management													<u> </u>
Water management													<u> </u>
Enterprise development													<u> </u>
Skill development													<u> </u>
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green													
Houses, Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of													
Orchards													
Cultivation of Fruit													
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of													
orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental													
plants													
Propagation techniques of													
Ornamental Plants													
Others, if any													1
TOTAL					†								
d) Plantation crops													+
Production and Management					+								+
technology													
Processing and value addition													1
Others, if any					1								+
TOTAL					†			1					
e) Tuber crops													+
Production and Management													-
technology													
Processing and value addition													-
1 rocessing and value addition	I	j		j	1	j	1	1	<u> </u>				

Thematic Area	No.			No	of Pa	rticip	ants				Grai	nd To	al
Thematic Area	of		Other	110.	0112	SC	anis		ST		Grai	Iu I U	,ai
	Cour	M	F	Т	M	F	Т	M	F	Т	M	F	T
Oil is	ses	141		-	171	-	-	171	-	_			1
Others, if any													
TOTAL													├ ─┤
f) Spices													
Production and Management													
technology													+
Processing and value addition													
Others, if any													+
TOTAL													+
g) Medicinal and Aromatic													
Plants													+
Nursery management													├ ─┤
Production and management													
technology			1					-				<u> </u>	+-
Post harvest technology and value													
addition													+
Others, if any													
TOTAL													
III. Soil Health and Fertility													
Management		2.4		2.4	7	_		0		0	50	_	
Soil fertility management	2	34	0	34	7	0	7	9	0	9	50	0	50
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic													
inputs	1	10		1.4		1	10	1		1	22	2	
Management of Problematic soils	1	12	2	14	9	1	10	1	0	1	22	3	25
Micro nutrient deficiency in crops	1	0	0	0	4	21	25	0	0	0	4	21	25
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and													
Management	2	40		40	1.4	0	1.4	10	0	10	7.5	_	L
Dairy Management	3	49	0	49	14	0	14	12	0	12	75	0	75
Poultry Management	1	10	0	10	2	0	2	13	0	13	15	0	15
Piggery Management													
Rabbit Management													
Disease Management								_		_			
Feed management	2	50	0	25	0	0	0	0	0	0	50	0	50
Production of quality animal													
products						_		<u> </u>		<u> </u>		_	 _ _
Others, if any (Goat farming)	2	42	0	42	4	0	4	4	0	4	50	0	50
TOTAL													igsquare
V. Home Science/Women													
empowerment		-	1.0	4.0								-	<u> </u>
Household food security by kitchen	1	0	18	18	0	7	7	0	0	0	0	25	25
gardening and nutrition gardening			1					ļ					igwdapprox
Design and development of													
low/minimum cost diet			1					ļ					igwdapprox
Designing and development for													
high nutrient efficiency diet													

Thematic Area	No.			No.	of Pa	rticip	ants				Grai	nd Tot	tal
	of	(Other			SC			ST				
	Cour ses	M	F	Т	M	F	Т	M	F	T	M	F	T
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization													
techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	1	0	23	23	0	0	0	0	2	2	0	25	25
Location specific drudgery	2	0	35	35	0	5	5	0	10	10	0	50	50
reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of													
micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and													
implements													
Repair and maintenance of farm													
machinery and implements													
Small scale processing and value													
addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	5	88	0	0	15	0	0	22	0	22	0	0	12 5
Integrated Disease Management	2	25	0	0	22	0	0	3	0	3	50	0	50
Bio-control of pests and diseases	1	22	0	22	1	0	1	2	0	2	25	0	25
Production of bio control agents													
and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management									<u> </u>	<u> </u>	<u> </u>		
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its			1										
application to fish pond, like													
nursery, rearing & stocking pond													
Hatchery management and culture													
of freshwater prawn													

Thematic Area Breeding and culture of ornamental fishes Portable plastic carp hatchery	No. of Cour ses		Other		1	rticip SC			~			nd Tot	
fishes		M	1			20			ST				
fishes	ses	\mathbf{M}	F	Т	M	F	Т	M	F	Т	M	F	T
fishes													
. variably mastly valuable IV													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
	+	1											
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													-
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and													
wax sheets													<u> </u>
Small tools and implements													<u> </u>
Production of livestock feed and													
fodder													
Production of Fish feed													<u> </u>
Others, if any													
ГОТАL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of													
SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
ΓΟΤΑL													
XI Agro-forestry													
Production technologies													
Nursery management		İ											
Integrated Farming Systems													
FOTAL													
XII. Others (Pl. specify)													†
TOTAL													69
LULIE	28	423	80	503	83	34	117	68	12	80	566	124	0

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of				No. of	Partic	cipants				Gran	d Total	
	Courses		Other			SC	•		ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom	1	0	10	10	0	4	4	0	1	1	0	15	15
Production	1	U	10	10	0	4	4	U	1	1	0	13	
Bee-keeping													
Integrated farming	2	24	0	24	8	0	8	2	0	2	20	0	35
Seed production													
Production of	2	0	0	0	25	1.1	26	0	0	0	24	11	45
organic inputs	3	9	0	9	25	11	36	0	0	0	34	11	
Planting material													
production													
Vermi-culture													
Sericulture													
Protected													
cultivation of													
vegetable crops													
Commercial fruit													
production													
Repair and													
maintenance of farm													
machinery and													
implements													
Nursery													
Management of													
Horticulture crops													
Training and													
pruning of orchards													
Value addition													
Production of													
quality animal													
products													
Dairying													
Sheep and goat	1	14	0	14	0	0	0	1	0	1	15	0	15
rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	8	0	8	4	0	4	3	0	3	15	0	15
Ornamental													
fisheries													
Para vets													
Para extension													
workers													
Composite fish													
culture											<u> </u>		<u> </u>
Freshwater prawn													
culture											<u> </u>		
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and													

Thematic Area	No. of				No. of	Partic	ipants				Grand	d Total	
	Courses		Othe	r		SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
processing													
technology													
Fry and fingerling													
rearing													
Small scale													
processing													
Post Harvest													
Technology													
Tailoring and													
Stitching													
Rural Crafts													
Enterprise	1	8	0	8	3	0	3	4	0	4	15	0	15
development													
Others if any (ICT													
application in													
agriculture)													
TOTAL	9	63	10	73	45	15	55	10	1	11	113	26	139

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of]	No. of	Partic	cipants				Gran	d Total	
	Courses		Othe	r		SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	15	5	20	2	0	2	0	0	0	17	5	22
Integrated Pest Management	1	6	0	6	2	0	0	8	0	8	16	0	16
Integrated Nutrient management	1	5	0	5	3	0	3	2	0	2	10	0	10
Rejuvenation of old orchards													
Value addition	1	0	10	10	0	0	0	0	0	0	0	10	10
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	6	0	6	4	0	4	0	0	0	10	0	10
Care and maintenance of farm machinery and													

							1				1	1	
implements													
WTO and IPR													
issues													
Management in													
farm animals													
Livestock feed and													
fodder production													
Household food													
security													
Women and Child													
care													
Low cost and													
nutrient efficient													
diet designing													
Production and use	1	0	_	10	-1	1	2	0	0	0	0	2	12
of organic inputs	1	8	2	10	1	1	2	0	0	0	9	3	
Gender													
mainstreaming													
through SHGs													
Crop intensification													
Others if any													
TOTAL	7	40	17	57	12	1	13	10	0	10	62	18	80

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

Disci	Clientel	Title of the training	Duratio	Venue (Off /	Numbe	er of parti	cipants	Numb	er of SC/	ST
pline	е	programme	n in days	On Campus	Male	Femal e	Tota 1	Male	Femal e	Tot al
	F/FW	Cotton based intercropping system	1	Off campus	25	0	25	8	0	8
	F/FW	Use of Leaf colour Chat for proper Nitrogen management in paddy	1		25	0	25	0	0	0
Agron	F/FW	Integrated weed management in paddy	1		25	0	25	3	0	3
omy	F/FW	Improved agrotechnic in Sweetcorn	1	Off	23	-	23	2	-	2
	RY	Protected cultivation of High value mango	1	On Campus	15	0	15	6	0	6
	RY	Preparation and Use of Organic Inputs	1	On Campus	5	0	5	10	0	10
	IS	Imporved techniques in production of Oilseed and Pulses	1	On Campus	10	0	10	0	0	0
Plant Protec tion	F/FW	Management of insect pest through natural enemies in field crops	1	Off- campus	12	0	12	3	0	3
	F/FW	Management of	1	Off-	23	0	23	2	0	2

		Maize stem		campus						
		borer/other insect		Campus						
		pests Insect Pest		Off-	12	0	12	12	0	13
	E/EW		1		12	0	1.2	13	U	13
	F/FW	management in	1	campus						
		paddy			_	_		1	_	
		Management of		Off-	4	0	4	21	0	21
	F/FW	diseases in cucurbit	1	campus						
		vegetables								
		Management of BPH		Off-	24	0	24	1	0	1
	F/FW	and other sucking	1	campus						
		pest in paddy		_						
		Tools and procedures		On-	8	5	13	2	0	2
	IS	for conducting AESA	1	Campus						
		in paddy		p						
		Integrated Pest		On-	20	0	20	5	0	5
	F/FW	Management in	1	campus	20		20		U	3
	1/1 **	ground nut	1	Campus						
		AESA and		On-	19	0	19	6	0	6
					19	0	19	0	U	0
		Ecological		campus						
	RY	engineering of pest	2							
		management in								
		solanaceous								
		vegetables								
	F/FW	Management of borer	1	Off-	10	0	10	15	0	15
	171.44	complex in Arhar	1	campus						
		Novel and safe		On-	6	0	6	10	0	10
	IS	pesticides for crop	1	campus						
		protection		•						
		Management of		Off-	22	0	22	3	0	3
	F/FW	YMV disease in	1	campus						
	2/2	Greengram	-	• unip us						
		Use of modern plant		On-	4	0	4	11	0	11
	RY	protection chemicals	2	campus	-	0	-	11	U	11
		Use of ICT in		On-	6	0	6	4	0	4
	IS		1		O	0	0	4	U	4
TT	E/EW	Agriculture	1	campus	0	25	25	0	7	7
Home	F/FW	3-Row rice	1	Off-	0	25	25	0	/	/
Sc.		transplanter in paddy		Campus						
		for drudgery								
		reduction								
	F/FW	Humidity and disease	1	Off-	0	25	25	0	7	7
		management in		Campus						
		paddy straw								
		mushroom								
	F/FW	Women friendly	1	Off-	0	25	25	0	8	8
		small implements for		Campus						
		drudgery reduction		•						
	F/FW	House hold food	1	Off-	0	25	25	0	7	7
		security by		Campus	-			-		
		nutritional garden		- Carripus						
	RY	Mushroom	1	On	0	10	10	0	5	5
	IX I	Production	1			10	10			
	IC		1	Campus	0	10	10	0	0	0
	IS	Value addition in	1	On	0	10	10	0	0	0
G '1	TO /EXX /	Tomato	1	Campus	1.7		1.7			
Soil	F/FW	Soil Health	1	On-	17	0	17	8	0	8

Sc.		management		Campus						
	F/FW	Defficiency symptoms of micronutrients I vegetables and management	1	Off- Campus	17	0	17	8	0	8
	F/FW	Management of Problem Soil	1	Off- Campus	12	2	14	10	1	11
	IS	Integrated farming System	1	On- Campus	9	1	10	1	1	2
	F/FW	Deficiency symptoms of micronutrients in vegetables and its management	1	On- Campus	0	0	0	4	21	25
	IS	Soil test based fertilizer Application	1	On- Campus	5	0	5	5	0	10
Anim al	F/FW	Fodder and Azolla Production Tech and feeding management in dairy cows	1	Off- Campus	25	0	25	0	0	0
	F/FW	Brooding and Feeding Management in chicks	1	Off- Campus	10	0	25	15	0	15
	F/FW	Ration Planning for dairy cows	1	Off- Campus	25	0	25	0	0	0
	F/FW	Management of Mastitis and FMD in cows	1	Off- Campus	23	0	23	2	0	2
	F/FW	Feeding Management in goats for faster BW gain	1	Off- Campus	20	0	25	5	0	5
	RY	Intensive Semiintensive and Backyard Poultry farming	3	On- Campus	8	0	8	7	0	7
	F/FW	Care and Management of calves, heifers and pregnant cows	1	Off- Campus	19	0	19	6	0	6
	RY	Goat farming as a source of income generation	3	On- Campus	14	0	14	1	0	1
	F/FW	Care and Management of Kids: Vaccination and Deworming	1	Off- Campus	22	0	22	3	0	3
	RY	Income Generation activities by SHGs	3	On- Campus	10	0	10	5	0	5
	RY	Marketing strategies for Agricultural Produces	3	On- Campus	8	0	8	7	0	7
	F/FW	Disease Management in dairy cows with special reference to vaccination	1	Off- Campus	7	0	7	18	0	18

Agron	KKA	Vermicomposting,	50	Off-	2393	63	2962	931	20	95
omy,		INM in cereals,		Campus						1
Home		Backyard poultry								
sc,		farming, Feeding								
Anim		management in cows,								
al Sc.		Mushroom								
		cultivation, Kitchen								
		gardening,								

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterp			No. of Participants			Self e	mployed af	Number of persons employed else where		
rise	Area	*	ii (days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	

^{*}training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S		Them	M on th	Durati on (days)	Cl ie nt P	No. of cours es	N	Male			of Part Female		ts	Tota	a1		Sponso ring Agency
1. N o	Titl e	atic area			F/ R Y/ E F	CS	Other s	SC	S T	Oth ers	SC	ST	Oth ers	SC	ST	T ot al	
1	Ver mic om pos tin g	IGA	M ar ch	25		25	18	1	0	1	0	0	19	1	0	20	ASCI
	Mu shr oo m pro duc tio n	IGA	Fe b	25		25	16	1	2	1	0	0	17	1	2	20	ASCI

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

Nature of	No. of		Fa	rmers		Exte	ension Offi	cials		Tota	al
Extension Activity	activiti	M	F	T	SC/	Male	Female	Total	Male	Fem	Total
•	es				ST					ale	
					(% of						
					total)						
Field Day	9	285	31	316	28	9	0	9	294	31	325
KisanMela	4	149	33	183	31	13	6	19	1512	338	1850
		9	2	1							
KisanGhosthi											
Exhibition	4	153	29	183	29	15	5	20	1552	298	1850
		7	3	0							
Film Show	8	123	17	140	17	0	0	0	123	17	140
Method	2	27	11	38	10	2	0	2	29	11	40
Demonstrations											
Farmers Seminar											
Workshop	3	88	18	106	21	4	0	4	92	18	110
Group meetings	2	68	10	78	25	2	0	2	70	10	80
Lectures delivered	15	635	15	785	29	10	5	15	645	155	800
as resource			0								
persons											
Advisory Services	90	150	30	180	28	0	0	0	1500	300	1800
,		0	0	0							
Scientific visit to	124	137	33	171	31	51	13	64	1429	351	1780
farmers field		8	8	6							
Farmers visit to	1028	994	34	102	11	0	0	0	994	34	1028
KVK				8							
Diagnostic visits	39	376	84	460	35	12	8	20	388	92	480
Exposure visits	2	38	2	40	10	0	0	0	38	2	40
Ex-trainees	1	19	5	24	10	0	1	1	19	6	25
Sammelan											
Soil health Camp	2	32	10	42	32	0	0	0	32	10	42
Animal Health	1	25	0	25	65	2	0	2	27	0	27
Camp											(380 LS)
Agri mobile clinic											
Soil test	1	14	2	16	0	0	0	0	14	2	16
campaigns											
Farm Science											
Club Conveners											
meet											
Self Help Group											
Conveners											
meetings											
Mahila Mandals											
Conveners											
meetings		_			_						
Celebration of	5	842	13	980	31	15	5	20	857	143	1000
important days			8								
Akhi Tritiya , Jai											
Kisan Jai Vigyan											
Day, Mahila Kisan											
Divas, Women in											
Agriculture Day,											
World Food Day,						j					

World Soil Day											
Sankalp Se Siddhi											
Swatchta Hi Sewa	8	140	54	194	47	6	0	6	146	54	200
Mahila Kisan	1	0	30	30	25	0	0	0	0	30	30
Divas											
Any Other											
(Specify)											
Total	1349	962	18	114	-	141	43	184	9761	1902	11663
		0	59	79							

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	18
Radio talks	9
TV talks	-
Popular articles	4
Extension Literature	8
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provide		d	
Paddy	Pratikshya	150				Other	Total
Paddy	Swarna sub 1	15					
Grand Total		165					

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	Barkha	1000	1,000	3	4	3	10
Cabbage	Indu	1000	1,000	7	1	2	10
Tomato	Arka Rakshak	10,000	20,000	3	4	10	17
Brinjal	Tarini	1000	1,000	5	4	1	10
Chilli	-	-					
Onion	Agrifound Dark red	2,49,000	37,350	5	10	20	35
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya	Red lady	500	10,000	5	10	20	35
Banana							
Others							
Ornamental plants							
Medicinal and							
Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total		262500	70350	28	33	56	117

Production of Bio-Products

	Quantity					
Name of product	Kg	Value (Rs.)	No.	of Farm	ers ben	efitted
			SC	ST	Other	Total
Bio-fertilizers						
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		rs					
			, , ,	benefitted							
				SC	ST	Other	Total				
Dairy animals											

			1	1			
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)	Rainbow rooster	185	7770	6	8	7	21
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)							
Grand Total		185	7770		21		

3.5. b. Seed Hub Programme-"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India" NOT APPLICABLE

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)				
			Target	Area sown (ha)	Product ion	Category of Seed (F/S, C/S)	
Kharif 2018							
Rabi 2018-19							
Summer/Spring 2019							

iii) Financial Progress

Fund received	Expenditure (Rs. in lakhs)		Unspent	Remarks
(2016-17, 2017-18 and 2018-19)	Infrastructure	Revolving fund	balance (Rs. in lakhs)	
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	Small Scale Poultry	T.K.Palai	25	
	production	H.Mallik		
Bulletins	BPH awareness	A.Das	500	
	FMD control measures	A.Das, T.K.Palai	100	
News letter	Harishankar	A.Das	500	
Popular Articles	Ballanced ration for milk production Fodder cultivation for Milk Production Integrated Duck and Fish farming Use of animal excreta in fish farming	T.K.Palai, S.Samanta T.K.Palai, S.Samanta T.K.Palai, A.P.Nayak T.K.Palai, A.P.Nayak	Mass	
	Azolla as a feed in dairy and fish farming Integrated livestock and fish farming	T.K.Palai, A.P.Nayak		
Book Chapter				

Extension	Kharatia Moong	A.Das	500	
Pamphlets/	production		500	
literature	Goat product	T.K.Palai		
	Hybrid Napier	T.K.Palai, A.Das	25	
	cultivation and			
	feeding to cows			
	Azolla cultivation	T.K.Palai, A.Das	25	
	method			
	Brooding tech. in	T.K.Palai, A.Das	25	
	chiks			
	Min. mix. Feeding	T.K.Palai, A.Das	25	
	in cows			
Technical reports	RE proceedings	A.Das	2	
	BGREI Reports	A.Das, S.pattanayak	2	
	CFLD reports	A.Das, S.pattanayak	2	
	KKA Reports	A.Das, T.K.Palai	2	
Electronic				
Publication				
(CD/DVD etc)				
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:

S1.	Name of	Name of course	Name of KVK	Date and	Organized
No.	programme		personnel and	Duration	by
			designation		
1.	Workshop	Workshop avm kharif sampaian	Ashis Das	9-10.4.18	OUAT,
		Workshop cum kharif campaign	Scientist (PP) & I/C	(2 days)	BBSR
2.	Workshop	SLEC workshop	SSH	8-12.5.18	OUAT,
		SLEC WOLKSHOP		(5 days)	BBSR
3.	Conference	Zonal conference of KVKs		26-28.5.18 (3	OUAT,
		Zonai conference of KVKs		days)	BBSR
4.	Training	Training programme on Operational		9-11.7.18	OUAT,
		modalities of KVKs		(3 days)	BBSR
5.	Training	Orientation training programme on		10.8.18	ATARI,
		Agro-met advisories		(1 day)	Kolkota
6.	Symposium	Symposium on Society of plant		27-28.10.18	OUAT,
		protection and Environment		(2 days)	BBSR
7.	Strategy	Rabi strategy meeting at Krishi Bhawan		14-16.11.18	OUAT,
	meeting	Rabi strategy meeting at Krisii Bhawan		(3 days)	BBSR
8	Training	Training programme on plant		13-15.12.18	ATARI,
		protection		(3 days)	Kolkota
9	Strategy	Operationalisation of KALIA scheme		13.2.19	OUAT,
	meeting	Operationalisation of 12 1211 seneme		(1 day)	BBSR
10	Training	Training of trainers for skill training	Sarthak Pattanayak	18-20. 9.18	BCKV,
		Truming of trumers for skin truming	SMS	(3 days)	Kolkata
11	Training	Capacity building training	(Agronomy)	21-24. 1.18	IIWM,,
				(4 days)	BBSR
12	Orientation	Orientation program of newly recruit		25-27.3.18	OUAT,
		SMS		(3 days)	BBSR
13	Training	Training on preparation of Detailed	Rahul Dev Behera	2.2.19	OUAT,
		Project Report on Agri Enterprises	SMS(Soil Sc.)	(1 day)	BBST

14	Workshop	Workshop on PPV & FR		15.3.19 (1 day)	ATARI, Kolkata
15	TOT		Sasmita Purohit	18-20. 9.18	BCKV,
		Training of trainers for skill training	Scientist	(3 days)	Kolkata
			(Home Science)		

- 3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best case(s) with suitable action photographs)
 - 1. Name of Farmer: Satyabrata Thati
 - 2. Address : Vill. Banabahal, GP : Bairasar; Block : Puintala Dist : Bolangir
 - 3. Contact No. : 7008309439
 - 4. Land holdings: 4 ha
 - 5. Theme- Increasing Income from Okra through IPM technology
 - 6. Description: The av. yield from okra was 90 q/ha out of which 25-30% becomes unfit for marketing or fails to fetch right market price due to infestation of okra shoot and fruit borer. To minimize the loss the technology promoted with success are:
 - # Seed treatment with Imidacloprid 70 WG @ 5 gm/ kg seed
 - # Herbicide application (Quizalfop ethyl @ 1 lit/ ha at 15 DAS)
 - # Installation of pheromone trap for shoot and fruit borer(Earias insulana) @ 50/ha.
 - # Release of *Trichogramma chilonis* (@ 50,000 / ha at 10 days interval for 3-4 times)
 - # Need based spraying of Spinosad 0.4 ml/lit or Emmamectin Benzoate @ 0.5 gm/lit at 12 DAI
 - 7. Success: (from 0.5 ha under Okra)

Situation	Cost of cultivation	Yield	Marketable yield	Total Income	Net profit	C:B ratio
Before	25,000/-	52 Qtl	40 Qtl	60,000 /-	35,000/-	2. 4
After	28,000/-	65 Qtl	58 Qtl	87,000/-	58,000	3.1

- 8. Spread: Area Covered: 250 ha; No. of Farmers: 1100
- 8. Views of the farmers- The fellow farmers like Kushal Karmi, Baisakhu Rout, Lalbabu Karmi who were also cultivating okra in very low scale expressed their satisfaction with the pest management strategy as they could find effect of integrated pest management and importance of seed treatment along with very low mammalian toxicity of novel pesticides like Spinosad & Emmamectin Benzoate.
- 9. Suggested action plan(policy and market) for up-scaling- The volume of production for market by minimizing yield loss, can be scaled up wrt productivity if IPM measures are strengthened with availability of suitable inputs of IPM with local input dealers. This measure can attribute to increase in profit towards doubling the income. Okra being a popular vegetable in the district, always has a market demand round the year.
- 10. Linkages with the on-going Govt programme- Supply of vegetable minikits under NHM, Availability of plant protection materials in Surabhi outlets of Odisha Agro Industries, Establishment of Drip irrigation for vegetables under NHM, Promotion of vegetable clusters by Watershed Mission.
- 3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year: Nil

Sl. No.	Name/	Title	of	the	Name/	Details	of	Brief details of the Innovative Technology
technology			the Innovator(s)					

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)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Greengram	Mixing of boiled rice extract in seed for better	The crop gives a better survivility and lustrous growth
		crop growth	C

b. Give details of organic farming practiced by the farmer: Nil

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

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	Through trainings , phone calls , Field diagnostic visits , farmers visit to KVK	Need analysis of FW training
2	During expedition of FLD , OFT programmes and monitoring the programmes	Need analysis of FW/RY/IStraining
3	Extension activities like group meetings, Extrainees sammelan, field days, farmers fair, celebration of special days, other flagship programmes etc.	Need analysis of FW/ RYtraining
4	From line dept. officials and extension workers during SAC meeting, RE linkage interface meeting, Review meetings, workshop on kharif and Rabi programmes	Need analysis of IS training

3.11. a. Details of equipment available in Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Soil mini testing lab	3

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			
70		70	550	18	nil

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	Exhibition & seminar	200		Mrs. Bharati mahananda Satya Narayan Bhue, Gopal Bag	200	200

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

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

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

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

No of student trained	No of days stayed
8	60

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
6.9.18	Prof. S.N.Pasupalak, VC, OUAT	11 th SAC meeting
14.6.18	Prof. P.K.Roul, DEE, OUAT	Monitoring of KVK activities
6.9.18	Sri A. Dakua, Collector & DM	11 th SAC meeting
6.9.18	Dr. S.S. Singh, Director, ATARI	11 th SAC meeting

4. IMPACT

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

Name of specific	No. of	% of	Change in income (Rs.)		
technology/skill transferred	participants	adoption	Before (Rs./Unit)	After (Rs./Unit)	
IPM in vegetables	180	30	Rs 45,000/ ha	Rs 56,000/ ha	
Prodn. technique in Greengram	75	25	Rs 22,000/ ha	Rs 35,000/ ha	
Prodn. technique in Groundnut	70	20	Rs 28,000/ ha	Rs 36,000/ ha	
Prodn. technique in Vegetables	75	15	Rs 50,000/ ha	Rs 70,000/ ha	
Herbicide application in Paddy	145	35	Rs 15,000/ ha	Rs 18,000/ ha	
Fodder Production For feeding in cattle	40	20	Rs. 12, 000/cow/year	Rs. 20,000/cow/year	
Deworming in goats	30	100%	Rs. 3300/goat/year	Rs. 4000/goat/year	

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			
Herbicide application in Paddy	4800 ha			
INM in Vegetables	3300 ha			
Prodn. technique in Greengram	1700 ha			
Prodn. technique in Groundnut	2600 ha			

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

S1.	Brief details of technology	Impact of the technology in subjective	Impact of the technology in		
No.		terms	objective terms		
1	Use of neem coated Urea	Reduction of consumption by 30-35 %	560 farmers adopted and go for such type of urea		
2	Use of Imazethapyr in greengram	Increase in by 40 % in 450 ha. lqnd	300 farmers adopted and go for such type of herbicide application		

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the	
entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in	
terms of raw materials availability, labour	
availability, consumer preference,	
marketing the product etc. (Economic	
viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

During Oct. 2018, there was report of BPH incidence in two blocks namely Deogaon and Saintala affecting 200 ha. of Rice which gradually covered 10 blocks out of 14. KVK scientists soon took the matter, held extensive and intensive field visits with line deptt. officials with distribution of bulletins, pamphlets in local language with awareness and advisory to the farmers. It resulted containing the infestation to only 4200 ha. in the district out of 1,90,000 ha. of Rice resulting in 13 % yield loss.

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
All line departments	Research- Extension linkage meeting in every month and work in
	field jointly for farmers
ATMA	Monitoring of BGREI, NFSM programmes
KVKs of neighbouring districts	Share of manpower, infrastructure
NHB	Monitoring of Orchards for viable saplings
CHES, CTCRI, NRRI and other ICAR	Knowledge and skill development, Input Procurement
institutes	
ARD	Animal Health camp

5.2. List of special programmes undertaken during 2018-19 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (information of previous years should not be provided)

a) Programmes for infrastructure development

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

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Skill training under ASCI	Enterpreneurship development through vermicomposting and mushroom production	January to March- 2019	ASCI	3,30,000

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. Name of Year		Area(Detail	s of product	tion	Amou	nt (Rs.)	Daman	
			Sq.mt	Variety/b	Duaduas	04	Cost of	Gross	Remar
No.	demo Unit	of estt.)	reed	Produce	Qty.	inputs	income	ks
1.	Nutrition	2014	200	cowpea		15kg	3912	300	
2.	al garden/		sq.	Okra		17 kg		340	

3.	Crop		mt	Cauliflow	30kg		450	
	Cafetaria			er				
4.				cabbage	30 kg		450	
5.				onion				
6.	Poly	2011	99	papaya	350 no.	1793	7000	
	house					5.45		
7.				onion	249000		37350	
				tomato	5000		10000	
					no.			

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of	ı (ha)	Details	of producti	on	Amoun	t (Rs.)	Remark
		harvest	Area	Variety	Type of Produc	Qty.(q	Cost of inputs	Gross income	S
Paddy	7.7.18	6.12.18	0. 5	Swarna Sub I	F/S	15	31500	45465	
	10.7.1	10.12.0	5.	Pratiksh	F/S	150	31500	45465	
	8	8	0	a			0	0	

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

S1.	Name of the	0 (77.)	Amou	ъ 1	
No.	Product	Qty. (Kg)	Cost of inputs	Gross income	Remarks
1.	Mushroom	500 bottles	4808	10000	
	spawn				

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

S1.	Name	Details of production		An	nount (Rs.)		
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Backyard bird	Rainbow rooster	21 days old chick	185	6090	7851	

6.5. Utilization of hostel facilities: NA

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total:			

(For whole of the year)

6.6. Utilization of staff quarters: NA

Whether staff quarters has been completed: No. of staffquarters:

Date of completion:

Occupancy details:

Months	QI	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current Account	SBI, Bolangir	Bhagirathi Chowk	30966088644
Current Account	SBI, ADB, Bolangir	College Chowk	31149194881

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

	Release	d by ICAR	Expenditure		
Item	Kharif	Rabi	Kharif	Rabi	Unspent balance as on -
Ground nut		240000		240000	0

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

	Released by ICAR		Exper	Unspent	
Item	Kharif	Rabi	Kharif	Rabi	balance as on
					1st April 2019
Arhar	180000		180000		0
Greengram		180000		180000	0
Chickpea		90000		90000	0

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Re	ecurring Contingencies			
1	Pay & Allowances	Avail. At compt. Ofc		
2	Traveling allowances	100000	70000	70000
3	Contingencies			
A	Stationary. Telephone, Postage and Other Exp on office running			257357
В	POL, Repair of vehicles tractor and implement			162643
C	Vocational training			232800
D	FLD except Oilseed and Pulses			110000
E	OFT			30000
F	Training on Extension Functionaries	800000	798800	6000
G	Library maint. And adding of books and journals	0	0	0
Н	Maintainance of building	0	0	0
Ι	Revolving fund	0	0	0
J	Swachhta Expenditure	0	0	0
K	SCP Cont.	200000	200000	50708
	TOTAL (A)			

B. No	B. Non-Recurring Contingencies						
1							
2							
3							
4							
	TOTAL (B)						
C. REVOLVING FUND							
	GRAND TOTAL (A+B+C)	1100000	1068800	919508			

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2016-17	699661	229578	377959	17280.00 + 415840 (Kind)
2017-18	17280	794131 (Including Rs200000 received from DEE as seed money)	504912.45	306498.55 + 583680 (Kind) (KIND of Rs.2,28,552/- of the year year 2015-16 remained outstanding at OSSC)
2018-19	306498.55	808834	581086	306498 + 500115(Kind)

7.6. (i) Number of SHGs formed by KVKs

- (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. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
KKA	10	Kharif and Rabi	Agriculture, Horticulture, ARD, Watershed		
Monitoring of BGREI	18	Kharif	Agriculture	ATMA	
Pest Surveillance	12	Kharif and Rabi	Agriculture, Horticulture		
Animal Health camp	1	Rahi	ARD		
World Soil Day, Pre-Rabi campaign, Exhibition	5	Kharif and Rabi	Agriculture, Horticulture, ARD, Watershed		

8. Other information

8.1. Prevalent diseases in Crops

Name of the	Crop	Date of	Area	% Commodity	Preventive measures taken for area
disease		outbreak	affected (in ha)	loss	(in ha)
BPH infestation	Paddy	Oct 1st week	5460	25	Awareness programmes, capacity building of farmers

8.2. Prevalent diseases in Livestock/Fishery

Name of the	Species affected	Date of	Number of death/	Number of	Preventive
disease		outbreak	Morbidity rate	animals	measures taken
			(%)	vaccinated	in pond (in ha)
FMD	Cow	Aug-Sep	40	30,000	

9.1. Nehru YuvaKendra(NYK) Training NA

Title of the training Period		No. of	the participant	Amount of Fund Received	
programme					(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)
F8			Name of crop	No. of registration
				registration

9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	35	8000
Livestock	11	2450
Fishery	4	122
Weather	16	130
Marketing	11	25
Awareness	15	75
Training information		
Other	6	5420
Total	98	

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	4326
2.	No. of farmers registered in the portal	15135
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
18.9.18 to 2.10.18 (15 days)	Cleaning of Campus, nearby institute, Villages Toilet construction in village, Disposal of waste, Awareness in school children, Awareness among villagers
16.12.18 to 31.12.18	Cleaning of Campus, nearby institute, Villages Toilet construction in village, Disposal of waste, Awareness in school children, Awareness among villagers

b. Details of Swachhta activities with expenditure NIL

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas		
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
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)		
14.No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
Sadeipali High School	24.12.18	Agriculture allied and	Chart paper, Drawing
		Swachata	sheet, Black board,
			Chalk

Give good quality 1-2 photograph(s)



9.9. Details of 'Pre-Rabi Campaign' Programme

D at e of pr og ra m m	No. of Union Ministers attended the program me	No. of Hon' ble MPs (Loksabh a/ Rajyasab ha) participat ed	No. of State Govt. Minis ters	MLA s Atten ded the progr amme	Chair man ZilaP ancha yat	Parti Distt. Colle ctor/ DM	Ban k Offi cial s	Farmer s	Govt. Offici als, PRI mem bers etc.	Total	Co ver age by Do or Dar sha n (Ye s/N o)	Co ver age by oth er cha nne ls (Nu mb er)
13 .3. 19	-	-	-	-	1	1	2	176	20	200		yes

9.10. Details of Swachhta Hi Sewaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Partici pants	No. of VIPs	Name (s) of VIP(s)
1	30	7	250	-	-

9.11. Details of MahilaKisan Divas programme organized

S1.	Activity	No. of	No. of	No. of VIPs	Name (s) of
No.		villages	Partici		VIP(s)
		Involved	pants		
1	15.10.18	1	50	-	-

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

S1.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in
No.			enterprise
1	Siba Prasad Barik	Village- Uparjhar, Bolangir-7608949481	Fodder farming, Goatery
2	Raju Sahu	Village- Dangaghat, Bolangir-9348522356	Dairy and Goatery
3	Udaya Naik	Village: Bargaon, Bolangir 9938732203	All season cultivation of sweet
			corn
4	Subhranshu Sahu	Village- Peepalbahali, Puintala- 8280156256	Backyard poultry
5	Angad Biswal	Village:Dhaunradadar, Loisingha-	Integrated Farming System
3	Aligad Diswai	9668736670	integrated Parming System
6	Jayaram Meher	Village:Kaudia,Patnagarh, -9937980234	Broccoli cultivation
7	Pradumna Teji	Village:Magurbeda, Loisingha-	Relay cropping of Pointedgourd
		9937623894	in single trellis system
8	Omprakas Meher	Village:Tarabha, Bolangir- 9692016440	Production of Oyster mushroom
			by using waste Newspaper
			substrate
9	Satyabrata Thati	Village:Banbahal, Bolangir- 8658942615	Floriculture
10	Mukunda Badhei	Village:Magurbeda, Loisingha-	Onion storage structure
		9439875271	

9.13. Revenue generation

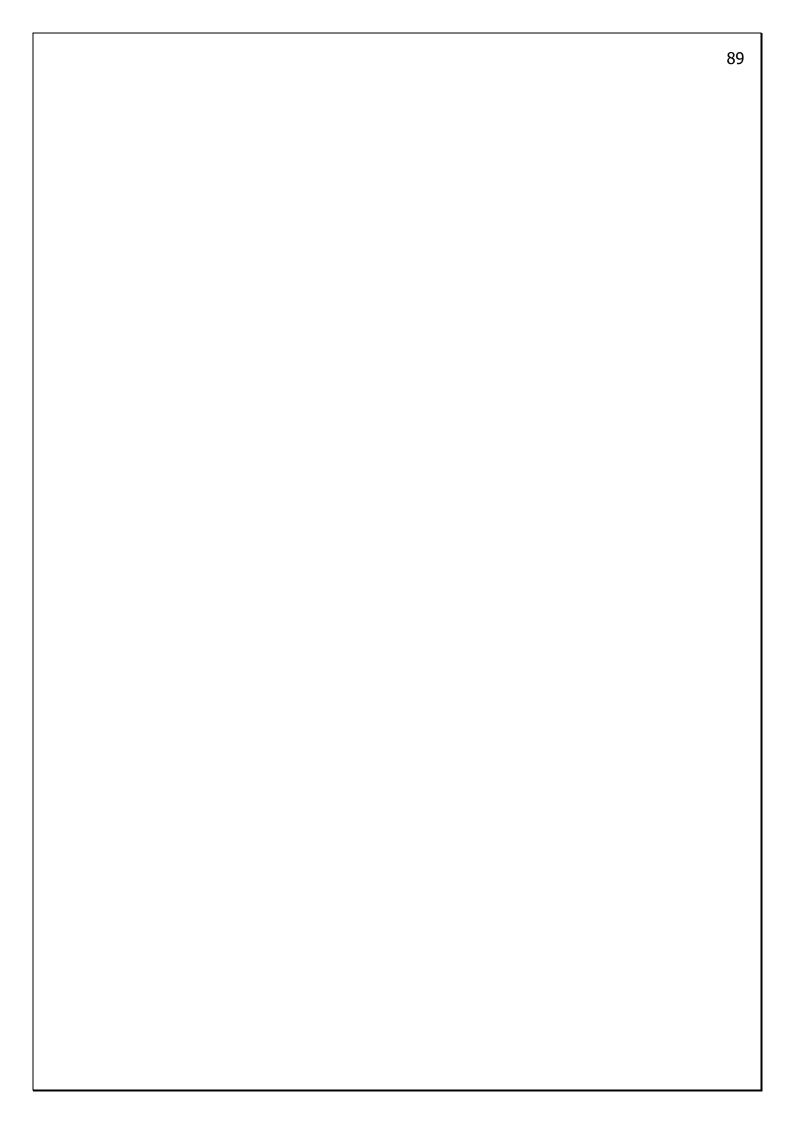
Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Revolving Fund	589316	OUAT
2.			
3.			

9.14. Resource Generation: Nil

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
	(paragraph)	



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
Odisha	Bolangir	Coningent plan for drought situation	3	40	Contingent measures for crops, livestock, Fisheries if rainfall is delayed or abrupt cessation for few days to few weeks

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

a. Achievements of physical output under TSP during 2018-19

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 otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school,	
Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2018-19 (Rs. In lakh):

c. Achievements of physical outcomeunder TSP during 2018-19

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

d. Location and Beneficiary Details during 2018-19

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

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

Not Applicable

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)		N	No of 1	farmei	rs cove	red / be	enefitte	ed		Remarks
				SC	SC ST		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						enefitte	ed	Remarks	
						1		I			
		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)		N	lo of f	farmei	rs cove	red / be	enefitte	ed		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)		N	No of	farmeı	rs cove	red / be	enefitte	ed		Remarks
			SC		ST		Other	r	Total	-		
			M	F	M	F	M	F	M	F	T	

Capacity building

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

Extension activities

Thematic area	No of activities				No of beneficiaries					
		0.0	CT		0.1					
		SC	ST		Oth	er		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 NIL

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

Award received by Farmers from the KVK district

Sl.	Name of the Award	Name of the	Year	Conferring Authority	Amount	Purpose
No.		Farmer				
1	Best farmer on the occasion of OUAT Foundation Day	Udaya Naik	2018-19	OUAT	Citation, Certificate	Crop Diversification
2	Best farm women On Mahila	Radharani Bhue	2018-19	KVK	Citation, Certificate	*
	Kisan Diwas					empowerment

- 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)

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

16. Integrated Farming System (IFS) Details of KVK Demo. Unit

S1.	Module details	Area	Production	Cost of production	Value realized in	No. of farmer	% Change in adoption during
No.	(Component-wise)	under IFS	(Commodity-	in Rs.	Rs. (Commodity-	adopted practicing	the year
	_	(ha)	wise)	(Component-wise)	wise)	IFS	•
1	Mango Orchard	1	-				Newly established

17. Technologies for Doubling Farmers' Income

S1.	Name of	Brief Details of Technology (3- 5 bullet points)	Net Return to the	No. of farmers	One high
No.	the		farmer (Rs.) per ha	adopted the	resolution
	Technology		per year due to the	technology in	'Photo' in 'jpg'
			technology	the district	format for each
					technology
1	Paddy +	# Paddy var. Sahabhagidhan, line transplanting, herbicide oxadiargyl	45,200	2	
	Greengram		(FP 29,00)		
	production	# Greengram var. TARM-1 paira, herbicide Imazethapyr, 1.5 % DAP spray			
	system	once at flowering and second after 15 days			
		# Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier; Dhingri mushroom			
		(20 beds);			
		Banaraja poultry(20 no.); Tissue culture banana G-naine(10 no.)			
2	Paddy /	# Paddy Var. pratikshya, 15 days early transplanting, herbicide, almix,	1,20,800	2	
	Vegetable-	STBF application	(FP 77,000)		
	Greengram	# Veg like Brinjal, tomato, onion, micronutrient application, herbicide			
	production	pendimethalin, seed tratment and nursery treatment with metalaxyl &			
	system	mancozeb			
		# Greengram IPM 02-14, micronutrient, YMV management			
		# Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier; Dhingri mushroom			
		(20 beds);			
		Banaraja poultry(20 no.); Tissue culture banana G-naine(10 no.)			
3	Rice/	# G.Nut var. Devi, Herbicide imazethapyr, micronutrient zypmite,	88,600	2	
	Groundnut-	drenching with chloropyriphos, seed dressing with biofertiliser, veg. like	(FP 55,100)		
	Greengram	growing of onion, cauliflower, Tomato			
	production				
	system	# Pooja var. transplanting 21 days old seedling, herbicide byspyribac			
	-	sodium			
		# Greengram Durga var. line sowing, Q.ethyl herbicide, micronutrient			
		application.			

	# Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Dhingri mushroom	
	(20 beds);	
	Banaraja poultry(20 no.); Tissue culture banana G-naine(10 no.)	

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

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

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

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							
2018-19	Master trainer on Vermi composting	S. Pattanayak	2.3.19	24.3.19	20	Y	164400
	Master trainer on Mushroom	S. Purohit	21.1.19	15.2.19	20	Y	164400

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

Thematic area of training	Title of the training	Duration (in hrs.)	No.	of p	artici	pant	S	Fund utilized for the training (Rs.)				
			SC		ST		Oth	er	Tot	al		
			M	F	M	F	M	F	M	F	T	

21. Information on NARI Project(if applicable) NA

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

22. Information on Krishi Kalyan Abhiyan Phase-I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I and II A. Training

Name of programme	No. of programmes			No. of officials attended the							
		S	SC		ST		Others		Tota	ıl	programme
		M	F	M	F	M	F	М	F	T	
Training on	25 trainings	318	68	69	30	684	81	1071	179	1250	45
vermicomposting,											
Mushroom											
production,											
Kitchen											
gardening											
Training on	25 trainings	298	80	53	35	679	61	1030	176	1206	50
vermicomposting,											
Mushroom											
production,											
backyard poultry,											
IPM, Integrated											
farming etc											

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

Name of programme	No. of Progra- mme	Total quantity distributed							No. oj	f farmers	benefi	ted			No. of other officials (except KVK) attended the programme
		Seed	Planti	Input	Other	SC		S	T	Othe	ers		Tota	ıl	
		(q)	ng materi al (lakh)	(kg)	(kg/ No.)	M	F	М	F	М	F	М	F	T	
Distribution of seeds, saplings	25	4811	9340			1218		251		5592				7460	25
Distribution of seeds, saplings	9	4100	5470			1012		519		3849				5380	25

C. Livestock and Fishery related activities

Name of	No.		Ac	tivities p	erformed			No.	of fo	ırme	rs be	nefited	l		No. of other
programme	of Pro	No. of	No. of anim	Feed/ nutrie	Any other (Distribution of	So	SC		ST		Others		Tota	ıl	officials (except KVK)
	gra anii mm als	anim als vacci nated	als dewor med	nt suppl ement s provi ded (kg)	animals/ birds/ fingerlings) [No.]	M	F	M	F	M	F	M	F	T	attended the programme
AI, Vaccination of bovines and goats/ sheeps	50	10985												4769	52
AI, Vaccination of bovines and goats/ sheeps	75	504												97	12

D. Other activities

Name of	Activities				No. of	farmers	s benefii	ted			No. of other officials	
programme		SC	,	ST		Others		Total			(except KVK)	
		M	F	M	$\boldsymbol{\mathit{F}}$	M	F	M	F	T	attended the	
											programme	
KKA-I	Soil Health Card Distributed	340	25	150	28	2450	300			3239	25	
	NADEP	90		45		165				300	20	
	Pit established											
	Farm implements distributed	11		4		15				30	19	
	Others, if any											
KKA-II	Soil Health Card Distributed	24		12		318				354	15	
	NADEP											
	Pit established											
	Farm implements distributed											
	Others, if any											

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated			Any other, if any (pl. specify)							
	rereu		SC			Others		Tota	al		(p. speegy)
		M	F	M	F	M	F	M	F	T	
34	91	19	0	11	0	30	18	60	18	78	

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

S1.	Name of the programme	Date of the programme	Venue	Purpose	No. of
No.					participants
1	Research Extension Linkage meeting (between KVK, line deptt. officials & bankers)	Every month on 3 rd Tuesday	KVK	for convergence of programmes taken by Line deptt. & KVK	12-13 in each meeting

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