PROFORMA FOR ANNUAL REPORT 2019 (January-December 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	
KrishiVigyan Kendra, Bhadrak Ranital, Odisha-756111	06784-265825		kvkbhadrak.ouat@gmail.com kvkbhadrak.od@gov.in kvk.Bhadrak@icar.gov.in

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar, Odisha-751003	0674-2397970/2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868	0674-2397780	registrarouat@gmail.com vc@ouat.nic.in/ vcouat@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	E mail
Dr. Aurovinda Das	-	8895417939 / 7008211174	auroagro@gmail.com

1.4. Year of sanction of KVK: 2004

1.5. Staff Position (as on 1st January, 2019)

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	Sr. Scientist & Head	Dr. Aurovinda Das	Sr. Scientist & Head	Agronomy	15600-39100 & GP-8000, BP-29320/-	06.09.12	Permanent	Others
2	Subject Matter Specialist	Dr. Ambika Prasad Nayak	Scientist	Fishery Sc	15600-39100 & GP-6000, BP-25780/-	24.03.05	Permanent	Others
3	Subject Matter Specialist	Dr. Debiprasad Dash	Scientist	Soil Sc.	15600-39100 & GP-6000, BP- 22220/-	11.02.14	Permanent	Others
4	Subject Matter Specialist	Dr. BiswanathSahoo	Scientist	Horticulture	15600-39100 & GP-6000, BP-23950/-	18.06.12	Permanent	Others
5	Subject Matter Specialist	Mrs. Rojalin Mohanta	SMS	Ag. Extn	15600-39100 & GP-5400, BP- 15600/-	30.07.18	Permanent	Others
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Sri Gayadhar Shial	Programme Assistant(Forestry)	Agroforestry	9300-34,800 & GP-4200, BP-15100/-	01.10.12	Permanent	SC
9	Computer Programmer	Sri Gopal Krushna Ojha	Programme Assistant(Computer)	Computer application	9300-34,800 & GP-4200, BP-17050/-	12.08.16	Permanent	OBC
10	Farm Manager	Vacant						
11	Accountant / Superintendent	Vacant						
12	Stenographer	SmtRajashree Singh	Stenographer	-	5200-20200 & GP-2400, BP-8490/-	11.10.06	Permanent	OBC
13.	Driver	Sri Bijaya Kumar Barik	Driver	-	5200-20,200 & GP-1900, BP-7970/-	31.07.15	Permanent	Others
14.	Driver	Sri SradhansuSekhar Pattnaik	Driver	-	5200-20,200 & GP-1900, BP-7400/-	18.06.12	Permanent	Others
15.	Supporting staff	Sri Prasanta Kumar Dalai	Supporting staff	-	4440-7440 & GP-1500, BP-6290/-	28.07.08	Permanent	OBC
16.	Supporting staff	Sri HariharaNayak	Supporting staff	-	4440-7440 & GP-1500, BP-6760/-	17.07.13	Permanent	Others

1.6. Total land with KVK (in ha):21.4ha

S. No.	Item	Area (ha)
1	Under Buildings	1.0
2.	Under Demonstration Units	2.5
3.	Under Crops	12.0
4.	Orchard/Agro-forestry	1.0
5.	Others with details (farm roads, waste land)	4.9
	Total	**21.4**

Total areashould 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	✓							
2.	Farmers Hostel					✓	280	Used	RKVY
3.	Staff Quarters (6)	✓							
4.	Piggery unit	✓							
5	Fencing	✓							
6	Rain Water harvesting structure	✓							
7	Threshing floor					✓		Under use	RKVY
8	Farm godown					✓		Used	Seed Hub project
9.	Dairy unit	✓							
10.	Poultry unit	✓							
11.	Goatery unit	✓							

12.	Mushroom Lab					✓		Under use	RKVY
13.	Mushroom production unit	✓							
14.	Shade house							Used	RKVY
15.	Soil test Lab					✓		Used	ICAR
16	Seed processing plant					✓		Used	Seed Hub

* 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	2009	9,00,000.00	2,14,842	Requiring frequent repair
Motor cycle	2009	54000		Requiring frequent repair

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil & water testing equipment			Need to be replaced	ICAR
Mushroom lab equipment			Laminar air flow not functioning	RKVY
b. Farm machinery				
Rotavator	2017	86000	Working	Seed Hub
Scrapper / leveler	2017	35000	Working	Seed Hub
Pulse thresher	2017	78000	Working	Seed Hub
MB plough	2017	23000	Working	Seed Hub
Tractor with its accessories	2019	700000	Working	ICAR
c. AV Aids				
Laptop	2017-18	41950	Working	ICAR
Desktop	207-18	39500	Working	ICAR
Laptop	2016-17	38000	Working	ICAR

Generator	2003-04		Not working	ICAR
LCD projector	2015-16	53000	Not working	ICAR
Handy Cam Sony	2011	20000	Working	ICAR
Camera, SLR	2016-17	36000	Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavator	2018	86000	Working	Seed Hub
Scrapper / leveler	2018	35000	Working	Seed Hub
Pulse thresher	2018	78000	Working	Seed Hub
MB plough	2018	23000	Working	Seed Hub

1.8. Details SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	30.09.2019	30	To work on feeding and management aspect of Jayanti rohu	Popularization of floating pelleted fish feed for quick growth of Jayanti rohu has been conducted through FLD and training programmes	
			Active involvement of line dept. is anticipated to achieve DFI	14 DFI villages 2 from each block were selected jointly with line departments. ARD dept. already started animal health camp, deworming, AI in some of the 14 villages.	
			Each and every activities performed by KVK and line depts. to be discussed in monthly RE meetings to increase visibility	It has been regularly done through effective in-house discussions while conducting monthly RE meeting	
			Increase the number of soil sample tested and accordingly the number of soil health cards	314 soil sample tested so far and still more number of soil samples to be collected before kharif 2020.	
			Increase the database under mkisan	Farmer data base now has been reached to	

			portal by adding new farmers and also update the changed mobile numbers of farmers	112000	
			Planting material production of fruit and vegetables should be increased	Could not be achieved	Scientist (Horticulture) is not taking up production of QPM as per action plan
			Use microbial consortia of OUAT	Consortia of OUAT is included in OFT of Horticulture, however, it has not been taken up	
			Include demonstration on farm mechanization	Field level demonstration on MDSR and sunflower thresher have been included in the action plan and conducted this year	
			Flagship programmes should be done in all DFI villages	Programmes to be conducted in newly selected DFI villages will be included in the action plan of 2020	
			KVK should emphasize on floriculture activities which have scope and opportunities in the district	Horticulture Scientist advised to take up programs in floriculture sector	
			Planting material for Spine gourd should be produced in KVK for the benefit of the farmers	Spine gourd planted in KVK obtaining planting material from CHES, Bhubaneswar	
			Activities on processing and value addition in fishes should be initiated	RY training programme for processing and value addition in fish and shrimps included in the action plan 2020	
			Crop diversification in irrigation commands should be planned	Training program conducted in irrigation command on crop planning. More program will be taken up in Action plan 2020	

** 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)

<table>
<tr><td>Sl. no.</td><td>Item</td><td>Information</td></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>Rice-blackgram/greengram/mustard/sunflower/vegetable/sugarcane
Pisciculture, Dairy, Poultry, Mushroom</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td>North Eastern Coastal Plain Zone</td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>AES(3)
Alluvial Canal Irrigated
Low lying Flood prone
Saline soil group</td></tr>
<tr><td>4</td><td>Soil type</td><td>Alluvial soil: 83209 ha, Saline soil: 20200ha, Sandy soil: 19146 ha</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others(q/ha)</td><td>
<table>
<tr><th>Crop</th><th>Productivity, q/ha</th><th>Crop</th><th>Productivity, q/ha</th></tr>
<tr><td>Rice</td><td>42-45</td><td>Groundnut</td><td>20.8</td></tr>
<tr><td>Greengram</td><td>5.9</td><td>Vegetables</td><td>135</td></tr>
<tr><td>Blackgram</td><td>6.0</td><td>Sugarcane</td><td>860</td></tr>
<tr><td>Mustard</td><td>6.1</td><td>Chilli</td><td>6.0</td></tr>
<tr><td>Sunflower</td><td>12.0</td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>1427 mm, Mean Max temp-32.4 and min temp-21.5</td></tr>
<tr><td>7</td><td>Production of major livestock products like milk, egg, meat etc.</td><td>Milk:48.2 MT/year
Egg: 21.65 million/year
Meat:4.38 MT/year</td></tr>
</table>

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 villages	Major crop & enterprises	Major problems identified (crop wise)	Identified thrust Areas
1	Rajendrapur	Bhandaripokhari	Thaila	Rice fallow Dairy Poultry	Low yield from DSR due to broadcast sowing, pest incidence, injudicious nutrient management Yield loss due to BPH in rice Fish production from smaller ponds leading to	Rice fallow intensification ICM in DSR BPH management Nursery raising of carp spawns in

Sl No.	Name of Taluk	Name of the block	Name of villages	Major crop & enterprises	Major problems identified (crop wise)	Identified thrust Areas
				Fish	low profit Low milk yield and high cost of feed in dairy Slow growth rate of desi poultry bird Opportunity for intensification small ponds with fruits and vegetables	small ponds Feed management in cows Backyard poultry for income generation
2	Adia	Bonth	Kuanrda	Rice fallow Dairy Poultry Fish+fruits/vegetable	Yield loss due to BPH in rice Rice fallow High incidence of pests in rice Smaller pond size leading to non-lucrative fish farming High cost of production of Milk Poor growth potential of Desi poultry bird	BPH management Intensification of rice fallows Varietal evaluation in vegetable crops Remunerative pisciculture in small ponds Cost effective feed management in cows Strengthening livelihood support through poultry and duckery
3	Radhaballavpur	Dhamnagar	Solagaon	Rice fallow Rice-blackgrampaira Dairy Poultry	Yield loss due to BPH in rice No fertilizer management of blackgrampaira crop resulting low yield High cost of milk production High incidence of diseases like FMD and Mastitis Low growth rate of desi poultry bird	BPH management Nutrient management in paira cropping Feed management of cows Disease management in livestock Strengthening backyard poultry Mushroom and duckery for income generation
4	Bodak	Tihidi	Orali	Rice fallow Rice-blackgrampaira Dairy Poultry	No fertilizer management of blackgrampaira crop resulting low yield High cost of milk production High incidence of diseases like FMD and Mastitis Slow growth rate of desi poultry bird Opportunity for mushroom production	Nutrient management in paira cropping Feed management of cows Disease management in livestock Strengthening backyard poultry Duckery for income generation
5	Mousudha	Chandbali	Junuda	Ricefallow Dairy Poultry	Low yield from local rice varieties High incidence of insect and diseases in rice High cost of milk production High incidence of diseases like FMD and Mastitis Poor growth potential of desi poultry bird	Varietal evaluation for salt affected ecology Paira cropping in fallows Fodder production for feed management of cows Backyard poultry variety Mushroom cultivation for income generation

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
Thaila	Bhandaripokhari	ICM of mechanized direct seeded rice with STBFR High valued horticultural crops on dykes of backyard small ponds Blackgram as paira for intensification of rice fallows Nursery raising of carp spawns to frys in small backyard tanks Vermicompost production using locally available resources Fodder and azolla production for feed management of cow Multidisciplinary trainings Animal Health Camp and Awareness camp on Soil sample collection and testing Seed treatment campaign
Kuanrda	Bonth	ICM of mechanized direct seeded rice with STBFR Mechanical transplanted rice demonstration Nutrient management in rice blackgrampaira cropping Fodder and azolla production for feeding management of cattle Rainbow rooster in backyard system Multidisciplinary trainings
Solagaon	Dhamnagar	ICM of mechanized direct seeded rice with STBFR High valued horticultural crops on dykes of backyard small ponds Nutrient management inrice-blackgrampaira Nursery raising of carp spawns to frys in small backyard tanks Vermicompost production using locally available resources Fodder and azolla production for feed management of cow Multidisciplinary trainings Animal Health Camp
Orali	Tihidi	ICM of mechanized direct seeded rice with STBFR Nutrient management in rice blackgrampaira cropping Fodder and azolla production for feeding management of cattle Rainbow rooster in backyard system Multidisciplinary trainings
Junuda	Chandbali	Salt tolerant rice variety Luna Sampad for saline area Blackgram as paira for intensification of rice fallows Fodder and azolla for feeding management of cattle Multidisciplinary trainings

2.1 Priority thrust areas

S. No	Thrust area
1	Minimization of yield loss due to insect pests in rice
2	Enhancement of income in direct seeded rice production system
3	Integrated crop management in sunflower
4	Encouraging seed production in pulses
5	Improving productivity of rice-pulse paira cropping system
6	Promotion of farm mechanization and RCT in rice based cropping system
7	Promoting INM and IPDM approach in field and horticultural crops
8	Promotion of production of organic inputs organic farming
9	Pisciculture: Feed management in IMC; Species diversification
10	Promoting pond based integrated fish farming systems and popularizing fish seed production in small backyard ponds
11	Promotion of fodder and azolla for feed management in dairy
12	Employment generation of farm women
13	Promotion of Backyard poultry rearing system marginal and landless farmers

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
9	9	28	8	0	0	0	69	1	77	1	78	19	16	83	14	40	4	4	97	40	115	84	199

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
68	47	980	124	70	2	18	690	301	816	389	1205	15	18	301	17	29	0	11	810	403	827	443	1270

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
665	510	23	14	0	2	55	74	78	90	168	40	40	2	7	0	3	8	23	10	33	43

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
300	189 (Unprocessed)	0.06(forest seedlings)	0.05
		0.50 (vegetable seedlings)	0

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
Mixed carp frys 10.0	7.04Nos.	1000(Soil sample)	314
Stunted yearlings 3 q	1.7 q	-	185(Water sample)
Amur carp advanced fingerlings 0.1	0.10		
Jayanti Rohu fingerlings 0.10.	0.10		
Desi magur fingerlings 3000 Nos.	0		
Colour fish 0.03	0.01		
Stunted fingerlings 0.20	0		
Fish 20 q	0		

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	**Number**	**No. circulated**	**No. of Research papers in NAAS rated Journals**	**Highest NAAS rating of any publication**	**Average NAAS rating of the publications**	**Details of awarded publication, if any**	**Details of Award given to the publication**
Research paper	4		4	5.34	4		
Seminar/conference/ symposia papers							
Books	4						
Bulletins							
News letter	1	500					
Popular Articles	1	2000					
Book Chapter							
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	10	2500	4	5.34	4		

3.1Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of rice varieties for BPH tolerance
2.	Problem diagnosed	Yield loss due to heavy infestation of BPH in paddy
3.	Details of technologies selected for assessment	TO_1: Reeta TO_2: CR Dhan 300 TO_3: Hasanta
4.	Source of Technology (ICAR/AICRP/SAU/ other, please specify)	OUAT 2014 & NRRI 2011, 2012
5.	Production system and thematic area	Rice-fallow/ pest management

6.	Performance of the Technology with performance indicators	Hasanta*var* found to be more tolerant to BPH (5.6 nos. of BPH/hill) than other two vars (9 and 7.2 nos. of BPH/hill respectively). Hasanta also registered more yield (67.1q/ha) than other two (49.7q/ha and 54.6q/ha respectively).
7.	Final recommendation for micro level situation	Results will be confirmed by repeating OFT next year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmers participated in the whole process of experiment and realized that the Hasanta*var* is a good yielder with moderate tolerance to BPH

Thematic area: Crop production

Problem definition: Yield loss due to high BPH infestation

Technology assessed: Rice varieties for BPH tolerance

Table:

Technology option	**No. of trials**	**Yield component**		**Disease/ insect pest incidence**		**Yield(q/ha)**	**Cost of cultivation(Rs./ha)**	**Gross return (Rs/ha)**	**Net return(Rs. /ha)**	**BC ratio**
		No. of effective tillers/hill	**No. of spikelet per panicle**	**No. of BPH per hill**	**No. of GLH per hill**					
FP	7	23.9	168	9.3	14.9	58.6	49800	82040	32240	1.65
TO_1	7	21.8	147	8.9	15.9	48.9	50,100	68460	18360	1.37
TO_2	7	23.1	139	7.4	12.1	54.1	51,115	75740	24625	1.48
TO_3	7	20.2	227	5.1	6.8	65.7	51,500	91980	40480	1.78

Results: Out of all TOs TO3 i.e Hasanta var is found to be moderately tolerant to BPH and registering higher yield. The results will be confirmed by repeating the OFT next year.

OFT-2

1.	Title of On farm Trial	Assessment integrated weed management modules for managing weeds in kharif rice
2.	Problem diagnosed	Yield loss due to high weed infestation
3.	Details of technologies selected for assessment	Farmers Practice (FP): Hand weeding 20-25 DAT + Hand weeding at 45-50 DAT Technology option-I (TO-I): Pre émergence application of herbicide (Bensulfuron methyl 0.6%+ Pretilachlor 6.0%) @ 10 kg/ha at 4 DAT + HW at 45 DAT Technology option-II (TO-II): Pendimethalin @ 750 g/ha as pre-em, 0-3 DAT followed by Bispyribac sodium @ 25 g/ha as post-em at 25 DAT Technology option-III (TO-III): Fenoxaprop-p-ethyl + Ethoxysulfuron (50+15 g/ha) at 15 days after transplanting(DAT) + HW at 45 DAT
4.	Source of Technology (ICAR/AICRP/SAU/ other, please specify)	NRRI 2014, OUAT 2015
5.	Production system and thematic area	Rice-fallow/ weed management
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	Results will be confirmed by repeating OFT next year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmers participated in the whole process of experiment and realized that Pre émergence application of herbicide (Bensulfuron methyl 0.6%+ Pretilachlor 6.0%) @ 10 kg/ha at 4 DAT + HW at 45 DAT is best to control weeds.

Thematic area: Weed management

Problem definition: Yield loss due to high weed infestation

Technology assessed: Integrated weed management modules

Table:

Technology option	No. of trials	Yield component		Weed incidence		Yield(q/ha)	% increase in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of grains per panicle	Weed count	WCE						
FP	5	16.4	142			49.6	-				
TO_1	5	20.2	204			56.3	13.5				
TO_2	5	18.9	183			54.75	10.38				
TO_3	5	18.2	172			54.1	9.07				

Results: Pre émergence application of herbicide (Bensulfuron methyl 0.6%+ Pretilachlor 6.0%) @ 10 kg/ha at 4 DAT + HW at 45 DAT is best to control weeds where percent yield increase over farmer's practice is 13.5%. However, OFT is to be taken next year for confirmation.

OFT-3

1.	Title of On farm Trial	Assessment of rate and schedule of fertilizer application in sunflower
2.	Problem diagnosed	Confusion in recommended dose of NPK due to different recommendations
3.	Details of technologies selected for assessment	Farmers Practice (FP): NPK dose (80-100-40) Technology option-I (TO-I): NPK 60:90:60 kg/ha with 3 splits of N; 50% + 25% + 25% Technology option-II (TO-II): NPK 60:90:30 with 3 splits of N; 50% + 25% + 25% Technology option-III (TO-III): NPK 90:90:60 with 2 splits of N, 60% + 40%
4.	Source of Technology (ICAR/AICRP/SAU/ other, please specify)	DOR, 2012, OUAT, 2016
5.	Production system and thematic area	Rice-sunflower / Nutrient management

6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	Final recommendation will be confirmed by repeating OFT next year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Crop production

Problem definition: Confusion in recommended dose of NPK due to different recommendations

Technology assessed:

Table:

Technology option	**No. of trials**	**Yield component**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs./ha)**	**Net return (Rs./ha)**	**BC ratio**
		Harvested sunflower head size (in cm)					
FP		12.6	18.85	39400	65975	26575	1.67
TO_1	5	17.4	22.625	43100	79187.5	36087.5	1.84
TO_2	5	14.7	21.6	42750	75600	32850	1.77
TO_3	5	18.2	23.525	44200	82337.5	38137.5	1.86

Results:

OFT-4

1.	Title of On farm Trial	Assessment of nutrient supplementation through foliar applications in greengram
2.	Problem diagnosed	Poor branching and pod setting, Opportunity for yield improvement

3.	Details of technologies selected for assessment	Farmers Practice (FP): Only basal application of fertilizers (20-40-20 NPK), no foliar application Technology option-I (TO-I): FP+2 Foliar sprays of 18-18-18 WSF (1%) at 30 & 45 DAS Technology option-II (TO-II): FP+2 Foliar spray of Urea (2%) at 30 & 45 DAS Technology option-III (TO-III): FP+2 Foliar application of DAP(2%) at 30 & 45 DAS
4.	Source of Technology (ICAR/AICRP/SAU/ other, please specify)	IIPR, 2016, TNAU, 2006
5.	Production system and thematic area	Rice-greengram/ nutrient management
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	Final recommendation will be confirmed by repeating OFT next year
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Nutrient management

Problem definition: Poor branching and pod setting, Opportunity for yield improvement

Technology assessed:

Table:

Technology option	**No. of trials**	**Yield component**		**Yield(q/ ha)**	**Cost of cultivation(R**	**Gross return**	**Net return(Rs./h**	**BC ratio**
		No. of pods per	**No. of**					

		plant	grains/ pod		s./ha)	(Rs/ha)	a)	
FP	7	19.6	9.78	7.68	15357.41	46114.29	30756.88	3.00
TO_1	7	25.4	9.96	9.37	16457.41	56228.57	39771.16	3.42
TO_2	7	21.8	9.82	8.2	15476.61	49200	33723.39	3.17
TO_3	7	23.8	9.88	8.94	15799.41	53657.14	37857.73	3.39

Results:

OFT-5

1.	Title of On farm Trial	Assessment of IPM strategy for the management of major insect pest of rice
2.	Problem diagnosed	Yield loss due to major insect pest like- stem borer, leaf folder and plant hopper attack in Kharif paddy
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1: Nursery treatment with fipronil 0.3 G + Chlorantraniliprole 0.4 G @10kg/ha at 30 DAT + need based spraying of Ethiprole + imidacloprid TO_2: Nursery treatment with fipronil 0.3 G + Pheromone trap installation for pest monitoring + release of *Trichogrammajaponicum*@ 50,000/ha + Bt spray @ 1 kg/ha at evening hours at 30 & 50 DAT + neem oil spray 0.15% (1500 ppm) @ 3ml/lit at 65 DAT + need based spraying of pesticides (Ethiprole + imidacloprid) based on pest severity (e.g. SB/BPH).
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT 2017-18
5.	Production system and thematic area	Rice-greengram and Integrated Pest Management
6.	Performance of the Technology with performance indicators	Integrated management by TO1 giving better control of pest complex. It reduces to the least of dead heart caused by SB by 4.43%, white ear head caused by SB by 5.57%, leaf damage made by leaf folder by 5.86% and avg. population of plant hopper by 4.86
7.	Final recommendation for micro level situation	The best recommended IPM strategy for the management of major insect pest of rice is nursery treatment with fipronil 0.3 G + Pheromone trap installation for pest monitoring + release of *Trichogrammajaponicum*@ 50,000/ha + Bt spray @ 1 kg/ha at evening hours at 30 & 50 DAT + neem oil spray 0.15% (1500 ppm) @ 3ml/lit at 65 DAT + need based spraying of pesticides (Ethiprole + imidacloprid) based on pest severity (e.g. SB/BPH).

8.	Constraints identified and feedback for research	More effective, low cost bio-pesticides against major pests of paddy should be invented
9.	Process of farmers participation and their reaction	IPM components like pheromone trap, Tricho cards should be available in market

Thematic area*:* Integrated Pest Management

Problem definition: Yield loss due to major insect pest like- stem borer, leaf folder and plant hopper attack in Kharif paddy

Technology assessed: IPM strategy for the management of major insect pest of rice

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence				Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of filled grain per panicle	Test wt. (100 grain wt.)	Stem borer		Leaf folder	Avg. no. of Plant hopper per hill					
					Dead heart %	White ear head %	Leaf damage %						
FP	7	22.43	140.29	23	11.29	13.86	15.29	10.71	43.86	44250	57018	12768	1.28
TO_1	7	28.71	157.57	22.29	4.43	5.57	5.86	4.86	48.43	46300	62959	16659	1.35
TO_2	7	21.43	147.43	22.86	6.71	8.43	9.14	7.5	46.86	45800	60918	15118	1.33

Results: Trial may be shifted for FLD next year

OFT-6

1.	Title of On farm Trial	Assessment of microbial consortium in chilli
2.	Problem diagnosed	Low yield due to imbalanced fertilizer and no micronutrient application
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO 1 : RDF + Arka Microbial Consortium
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR, Bangalore
5.	Production system and thematic area	Rice-Vegetable, Integrated Nutrient Management

6.	Performance of the Technology with performance indicators	Crop is at flowering stage
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology option	**No. of trials**	**Yield component**			**Disease/ insect pest incidence (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No. of effective tillers/hill	**No. of spikelet per panicle**	**Test wt. (100 grain wt.)**						
FP – RDF+No use of biofertilizer and micronutrients TO1: RDF + Arka Microbial Consortium	10	Crop is at flowering stage								

Results: Awaited

OFT-7

1.	Title of On farm Trial	Assessment of tomato varieties suitable for processing
2.	Problem diagnosed	Unsuitability of popular varieties for processing purpose

3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO 1: Arka Rakshak
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR, Bangalore
5.	Production system and thematic area	Rice-Vegetable, Varietal evaluation
6.	Performance of the Technology with performance indicators	Crop is at flowering stage
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology option	**No. of trials**	**Yield component**			**Disease/ insect pest incidence (%)**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		No. of effective tillers/hill	**No. of spikelet per panicle**	**Test wt. (100 grain wt.)**						
FP – Lakshmi TO1: Arka Rakshak	10	Crop is at flowering stage								

OFT-8

1.	Title of On farm Trial	Assessment of Ivermectin in controlling Argulosis
2.	Problem diagnosed	Frequent occurrence of 'Argulosis' in carp culture ponds
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIFA, 2015-16
5.	Production system and thematic area	Pond based farming system
6.	Performance of the Technology with performance indicators	Mass treatment of Argulosis' affected fishes in pond water with liquid Ivermectin 2% w/v (Aquajet) @ 200ml/ acre-m reduces incidence of Argulosis to 3% with increased survival rate of 83% and incorporation of powdered Ivermectin 2% w/v (Paracure I.V.) @ 250 ppm in fish feed and fed to the fishes for 4-5 days decreases incidence of Argulosis to only 1% with highest survival rate of 86%
7.	Final recommendation for micro level situation	Oral administration of powdered Ivermectin 2% w/v (Paracure I.B.) @ 250 ppm through fish feed is the best method to control argulosis
8.	Constraints identified and feedback for research	An integrated approach with combinations starting from pond hygiene protocols to adoption of both mass treatment and oral administration of Ivermectin may be developed for effective control of resurgence of Argulosis
9.	Process of farmers participation and their reaction	All the farmers were cooperated well throughout the organization of the trial in their respective fields and convinced that the control method is simple and cost effective

Thematic area: Integrated Disease Management

Problem definition: Unavailability of suitable chemical molecule for effective control of Argulosis

Technology assessed: Assessment of Ivermectin in controlling Argulosis in fish

Table:

Results:

Technol-	**No. of**	**Yield component**	**Disease/**	**Yield**	**Cost of**	**Gross return**	**Net return**	**BC ratio**

ogy option	trials	Survival rate (%)	ABW at the time of harvesting (g)	insect pest incidence (%)	(q/ha)	cultivation (Rs./ha)	(Rs/ha)	(Rs./ha)	
FP	-	72	495	25	26.73	1,41,000	2,67,300	1,26,300	1.89
TO_1	6	83	541	3	33.68	1,66,000	3,36,800	1,70,800	2.02
TO_2	6	86	561	1	36.20	1,75,000	3,62,000	1,87,000	2.06

OFT-9

1.	Title of On farm Trial	Assessment of incorporation of Amur carp as bottom feeder in composite carp culture for maximizing fish production
2.	Problem diagnosed	Slow growth rate of mrigal affects the average yield from 3-species IMC composite pisciculture
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	UAS, Bangalore 2015
5.	Production system and thematic area	Pond based farming system
6.	Performance of the Technology with performance indicators	By substituting 33.33%, 50% and 66.66% stocking density of mrigal with Amur carp resulted in increase in fish yield by 19.81%, 32.75% and 22.46% respectively than the pond stocked only with mrigal
7.	Final recommendation for micro level situation	Stocking density of Amur carp in composite pisciculture should be restricted to 1500 nos per ha only for optimum maximization of fish yield.
8.	Constraints identified and feedback for research	Amur carp matures in 9 months in captivity. It should be further extended to another 3 months means up to 1 yr. for allowing further somatic growth/weight gain and synchronous harvesting with IMCs.
9.	Process of farmers participation and their reaction	Farmers involved in the current assessment were convinced with the results by visualizing the faster growth of Amur carp and its significant role in increasing fish yield.

Thematic area: Varietal evaluation

Problem definition: Unavailability of a fast growing bottom dweller fish

Technology assessed: Assessment of very fast growing Amur carp in partial substitution of slow grower mrigal fish

Table:

Results:

Techn-ology option	No. of trials	Yield component		Yield (q/ha)	% change	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Survival rate of Amur carp(%)	ABW at the time of harvesting of Amur carp (g)						
FP	3	-	-	28.67	-	1,50,000	2,86,700	1,36,700	1.91
TO_1	3	82	824	34.35	19.81	1,69,000	3,43,500	1,74,500	2.03
TO_2	3	79	1006	38.06	32.75	1,80,000	3,80,600	2,00,600	2.11
TO_3	3	75	582	35.11	22.46	1,70,000	3,51,100	1,81,100	2.06

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	ICM	Line sowing using seed cum fertilizer drill +Basal fertilizer post emergent application of Bispyribac sodium 10% SC@200ml/ha at 15-20 DAS STBFR	8	8	1	0	0	0	15	4	16	4	20	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)	Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy

				N	P2O5	K2O					days
Rice	Kharif	Irrigated	Alluvial soil	246.6-335	19.69-43.85	67.07-140.6	Fallow	2-14 June 2019	15 November 2019	869-1166	57-63

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 Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	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 crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Brinjal	IPM	Pheromone trap @20/ac + weekly release of 50,000-60,000 Trichogramma chillonis + alternate spraying of Bt@2g/lit of water and NSKE 5% at 15 days interval from 20-25 DAT. Need based spraying of Spinosad at flower initiation stage, regular clippings of affected shoots	10	0.4	Crop is at vegetative stage												
Pointed gourd	IDM	Aternate spraying of Metalaxyl+ Mancozeb @ 2.5 g/l of water and Copper Oxychloride @ 4g/l of water	10	0.4	Crop is at vegetative stage												

Yam & Elephant foot yam	High valued low volume crops	Elephant foot yam (Gajendra) + Yam (Odisha elite/Hatikhoj) (No.of each plant to be planted as per the space availability on pond dykes)	10	0.08	Crop is at vegetative stage												
Spine gourd	Varietal evaluation	Spine gourd var. Arka Neelachal Shanti			Dropped due to non availability of planting material from CHES												
Papaya	Integrated pest management	Soil application of carbofuran 3 G around the plant twice (at transplanting and 30 DAT) + Alternate application of Flonicamid 50 WG @ 150 g/ha and neem oil (1500 ppm Azadirachtin) @ 1.5 l/ ha at 15 days interval + yellow sticky trap @ 25/ha + Coriander as intercrop	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-

Fodder	Feed management in dairy	Demonstration on fodder and Azolla for feed management in CB cows	6	0.12	Result is awaited												
Rice	Integrated crop management	Direct seeding with seed cum ferti drill @40 kg/ha,Bispyribac Na @250 ml/ha at 20-25 DAS, No beushaning	20	8	58.4	55.8	4.6	No.of EBT/m2 287 Saving in Cost of cultivation /ha 2800	No.of EBT/m2 275 Saving in Cost of cultivation /ha 0	49300	81760	32460	1.66	52100	78120	26020	1.50
Sunflower	Farm mechanizaiton	Use of sunflower thresher in place of manual threshing	5	5	On going												
Onion	Nutrient management	Application of 20 kg S/ha as basal dose along with RDF:120:60:100::NPK	14	0.52	129.9	105.1	23.61	Bulb wt(g)-67.64	Bulb wt(g)-46.57	79062.5	259910.7	180848.2	3.29	77562.5	210267.9	132705.4	2.71
Pointed gourd	Integrated nutrient management	Consortia of Azotobacter, Azospirilum and PSM each @ 4.0 kg ha-1 inoculated to 300 kg of FYM/VC mixed with 15 kg of lime, incubated at 30% moisture for a week	13	0.5	125.6	112.3	11.77	Vine length(cm)-168.2, No. of fruits-5.85	Vine length(cm)-152.6, No. of fruits-4.62	109975	376730.8	266755.8	3.43	109500	337067.3	227567.3	3.08

Banana	Promotion of bio-inoculants in Banana crop (INM)	Application of 75% RDF (300:100:300 g NPK/plant) + 125 g each of Azotobactor, Azospirillum & PSB (incubated in FYM)	13	1	900.81	793.85	13.47	Bunch wt.(kg)-60.05, No. of fingers/bunch-131.54	Bunch wt.(kg)-52.92, No. of fingers/bunch-131.38	120041	540484.6	420443.6	4.50	108041	476307.7	368266.7	4.41
		Total	**121**	**17.54**													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Varietal evaluation	Demonstration of Kadaknath poultry birds	20	200	Result is awaited												
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total			26	206													

* 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 area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
IMC	Feed management	Demonstration of CIFA-Carp Grower feed in fish grow-out pond	3	1.0	40.18	31.24	28.61	82% (Survival rate)	78% (Survival rate)	1,80,000	4,01,800	2,21,800	2.23	1,48,000	3,12,400	1,64,400	2.11
IMC	Feed management	Demonstration on CIFA-Biofert manuring in fish grow-out ponds	5	2.0	35.84	36.31	-1.3%	2.0 ml planktons per 50 litres of pond water	2.6 ml planktons per 50 litres of pond water	1,68,000	3,58,400	1,90,400	2.13	1,80,000	3,63,100	1,83,100	2.01
Tilapia	Varietal evaluation	Demonstration of Mono-sex Genetically Improved Farmed Tilapia (GIFT)	7	0.33	58.86	32.42	81.55	Rs.90/- (Fish sale price /kg)	Rs.100/- (Fish sale price /kg)	2,62,000	5,29,740	2,67,740	2.02	1,65,000	3,24,200	1,59,200	1.96
Ornamental fishes																	
Others (pl.specify)																	
		Total	15	3.33													

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																

Vermicompost	Mixing cow dung and available agro-wastes in the ratio of 1:4 - partial decomposition - release of *Eisenia foetida* @ 1kg per quintal of waste material	14	14	1650.7 q/yr	1607.9 q/yr		NPK 1.45, 0.88, 1.34 Composting time-75 days	NPK 0.71, 0.22, 0.83 Composting time-180 days	3425	10754	7340	3.14	3695	8980	5285	2.43
Sericulture																
Apiculture																
Paddy straw mushroom	Paddy straw mushroom production with loose paddy straw	15	15	Weight of bud: 22.32g Biological efficiency: 9.91%	Weight of bud: 16.2g Biological efficiency: 10.17%		Avg. yield/ bed: 504.5g	Avg. yield/ bed: 982.4g	Rs.47 / bed	Rs.80/ bed	Rs.33/bed	1.7	Rs. 80/ bed	Rs.150/ bed	Rs. 70/ bed	1.87
Nutritional Garden	Nutritional garden in improving nutritional security of farm families	40	40	286g/person/day	212g/person/day	35			2100	3400	1300	1.62	1000	1300	300	1.3
ICT	Effectiveness of short technology videos for technology adoption	20	10													
Total		89	79													

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	

Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

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

*** 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 Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										

Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Green gram										
Black gram										
Benga lgram										
Red gram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										

Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Fish	CIFA-Carp grower feed is a low-cost floating pelleted feed should be commercialized soon and made available in the market.
2.	Fish	The technology of CIFA-Biofert holds good for the fish farmers who culture fish as well as sell their fish in the market as it enables them collect easily the fish-offals from the market.
3.	Fish	GIFT is a suitable fish species to cultivate in small ponds and should be promoted in higher scale for village level nutritional security
4.	Poultry	More awareness about the health benefits of Kadaknath poultry meat & eggs should be created among people so as to sell the same at a premium price
5.	Mushroom	Weight of bud is very much higher than the mushroom produced by using threshed straw. The processed weight of mushroom produced by loose straw is higher in comparison to other. Preparation of mushroom bed by using loose straw is a labour intensive process

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	28.08.19	1	20	Method demonstration on frame feeding of CIFA-Carp Grower feed at Kuanrda village
2.	Farmers Training	18.10.19, 10.10.19, 23.10.19, 23.12.19 & 27.12.19, 18/11/19, 11/12/19	7	210	IPM for management of leaf curl & mealy bug infestation in Papaya, Conducted at Orali, Kandagaradi, Jhinkiria & Dhamnagar villages respectively, nutritional gardening and paddy straw mushroom cultivation by using loose straw
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2019 and Rabi 2019:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P

1	Mustard						*Var. Uttara *Line planting with seed cum fertilizer drill with 24cm row spacing. *Soil test based fertilizer recommend ation *Soil application of Sulphur @6kg/ac *Boron application at 30DAS and 40DAS @ 300g/ac (1.5g/lit of water) *Use of Neem oil @ 2.5ml/lit of water *Use of Thiamethox am @ 80g/ac * Use of Emamectin Benzoate@ 70g/ac	30	16						
2	Green gram						*Var. IPM-02-14 *Line planting with seed cum fertilizer drill with								

							30cm row spacing. *Soil test based fertilizer recommend ation *Boron application at 30DAS and 40DAS @ 300g/ac (1.5g/lit of water) *Use of Neem oil @ 2.5ml/lit of water *Use of Thiamethox am @ 80g/ac * Use of Emamectin Benzoate@ 70g/ac								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Var. Uttara *Line planting with seed cum fertilizer drill with 24cm row								

	spacing. *Soil test based fertilizer recommendation *Soil application of Sulphur @6kg/ac *Boron application at 30DAS and 40DAS @ 300g/ac (1.5g/lit of water) *Use of Neem oil @ 2.5ml/lit of water *Use of Thiamethoxam @ 80g/ac * Use of Emamectin Benzoate @ 70g/ac								
2	*Var. IPM-02-14 *Line planting with seed cum fertilizer drill with 30cm								

	row spacing. *Soil test based fertilizer recommendation *Boron application at 30DAS and 40DAS @ 300g/ac (1.5g/lit of water) *Use of Neem oil @ 2.5ml/lit of water *Use of Thiamethoxam @ 80g/ac * Use of Emamectin Benzoate @ 70g/ac								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Man days/ house hold)
1	Mustard var. Uttara	Not harvested						
2	Green gram var. IPM-02-14	Not harvested						

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

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

H. Farmers' training photographs

I. Quality Action Photographs 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.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			

	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total			

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

A) Farmers and farm women (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	1	13	12	25							13	12	25
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management	1	24	0	24	1	0	1	0	0	0	25	0	25
Production of organic inputs													
Others													
Total	**2**	**37**	**12**	**49**	**1**	**0**	**1**	**0**	**0**	**0**	**38**	**12**	**50**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Inegrated Crop Management													
Weed management													
Others (Integrated Nutrient Mgmt.)													
Production and Mgmt.													
Total (a)													
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													
Total (b)													
c) Ornamental Plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Others													
Total													
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													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
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													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
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													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Commercial fruit production													
Integrated farming													
Seed production	1	11	01	12	03	-	03	-	-	-	14	01	15
Production of organic inputs	1	14	0	14	1	0	1	0	0	0	15	0	15
Planting material production	2	23	02	25	05	-	05	-	-	-	28	02	30
Vermiculture													
Mushroom Production	1	8	6	14	1	0	1	0	0	0	9	6	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	4	11	15	0	0	0	0	0	0	4	11	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	2	44	-	44	6	-	6	-	-	-	50	-	50
Others(method of soil smapling, analysis & interpretation of results)	1	14	1	15	0	0	0	0	0	0	14	1	15
Total	**9**	**118**	**22**	**139**	**16**	**0**	**16**	**0**	**0**	**0**	**134**	**21**	**155**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	01	11	-	11	04	-	04	-	-	-	15	0	15
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	**01**	**11**	**-**	**11**	**04**	**-**	**04**	**-**	**-**	**-**	**15**	**0**	**15**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	01	11	-	11	15	04	19	-	-	-	26	04	30
Off0season vegetables	01	12	01	13	12	05	17	-	-	-	24	06	30
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Inegrated Crop Management	01	23	-	23	07	-	07	-	-	-	30	-	30
Weed management	01	28	-	28	02	-	02	-	-	-	30	-	30
Others (Integrated Nutrient Mgmt.)	01	20	-	20	09	-	09	01	-	01	30	-	30
Production and Mgmt.	01	24	-	24	06	-	06	-	-	-	30	-	30
Total (a)	**6**	**118**	**1**	**119**	**51**	**9**	**60**	**1**	**0**	**1**	**170**	**10**	**180**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	01	25	-	25	04	01	05	-	-	-	29	01	30
Management of young plants/orchards													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	**01**	**25**	**-**	**25**	**04**	**01**	**05**	**-**	**-**	**-**	**29**	**01**	**30**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	3	39	2	41	20	12	32	2	0	2	61	14	75
Production and use of organic inputs	2	23	1	24	10	16	26	0	0	0	33	17	50
Management of Problematic soils													
Micro nutrient deficiency in crops	1	4	13	17	4	4	8	0	0	0	8	17	25
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total	**6**	**66**	**16**	**82**	**34**	**32**	**66**	**2**	**0**	**2**	**102**	**48**	**150**
IV. Livestock Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	24	24	0	4	4	0	2	2	0	30	30
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others(Oyester mushroom production)	3	0	77	77	0	10	10	0	3	3	0	90	90
Total	**4**	**0**	**101**	**101**	**0**	**14**	**14**	**0**	**5**	**5**	**0**	**120**	**120**
VI. Agril. Engineering													
Farm machinery & its maintenance													
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													
Total													
VII. Plant Protection													
Integrated Pest Management	2	42	0	42	18	0	18	0	0	0	60	0	60
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**2**	**42**	**0**	**42**	**18**	**0**	**18**	**0**	**0**	**0**	**60**	**0**	**60**
VIII. Fisheries													
Integrated fish farming	1	21	02	23	06	01	07	-	-	-	27	03	30
Carp breeding and hatchery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp fry and fingerling rearing	1	-	29	29	-	01	01	-	-	-	-	30	30
Composite fish culture	6	95	35	130	32	18	50	-	-	-	127	53	180
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													
Scientific GIFT farming	1	19	08	27	03	-	03	-	-	-	22	08	30
Total	**9**	**135**	**74**	**209**	**41**	**20**	**61**	**0**	**0**	**0**	**176**	**94**	**270**
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	21	9	30	0	0	0	0	0	0	21	9	30
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total	**1**	**21**	**9**	**30**	**0**	**0**	**0**	**0**	**0**	**0**	**21**	**9**	**30**
XI. Agro forestry													
Production technologies	5	70	60	130	3	1	4	0	16	16	73	77	150
Nursery management													
Integrated Farming Systems													
Others	1	26	3	29	1	0	1	0	0	0	27	3	30
Total	**6**	**96**	**63**	**159**	**4**	**1**	**5**	**0**	**16**	**16**	**100**	**80**	**180**
XII. Others (Pl. Specify)													
GRAND TOTAL													

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	13	12	25							13	12	25
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management	1	24	0	24	1	0	1	0	0	0	25	0	25
Production of organic inputs													
Others													
Total	**2**	**37**	**12**	**49**	**1**	**0**	**1**	**0**	**0**	**0**	**38**	**12**	**50**
II. Horticulture													
a) Vegetable Crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of low volume and high value crops	1	11	-	11	15	04	19	-	-	-	26	04	30
Off0season vegetables	1	12	01	13	12	05	17	-	-	-	24	06	30
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Integrated Crop Management	1	23	-	23	07	-	07	-	-	-	30	-	30
Weed management	1	28	-	28	02	-	02	-	-	-	30	-	30
Others (Integrated Nutrient Mgmt.)	1	20	-	20	09	-	09	01	-	01	30	-	30
Production and Mgmt.	1	24	-	24	06	-	06	-	-	-	30	-	30
Total (a)	**6**	**118**	**1**	**119**	**51**	**9**	**60**	**1**	**0**	**1**	**170**	**10**	**180**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	01	25	-	25	04	01	05	-	-	-	29	01	30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	**1**	**25**	**-**	**25**	**04**	**01**	**05**	**-**	**-**	**-**	**29**	**01**	**30**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others													
Total (g)													
Total(a-g)	**7**	**143**	**1**	**144**	**55**	**10**	**65**	**1**	**0**	**1**	**199**	**11**	**210**
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management	3	39	2	41	20	12	32	2	0	2	61	14	75
Production and use of organic inputs	2	23	1	24	10	16	26	0	0	0	33	17	50
Management of Problematic soils													
Micro nutrient deficiency in crops	1	4	13	17	4	4	8	0	0	0	8	17	25
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total	**6**	**66**	**16**	**82**	**34**	**32**	**66**	**2**	**0**	**2**	**102**	**48**	**150**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	24	24	0	4	4	0	2	2	0	30	30
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	3	0	77	77	0	10	10	0	3	3	0	90	90
Total	**4**	**0**	**101**	**101**	**0**	**14**	**14**	**0**	**5**	**5**	**0**	**120**	**120**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	2	42	0	42	18	0	18	0	0	0	60	0	60
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**2**	**42**	**0**	**42**	**18**	**0**	**18**	**0**	**0**	**0**	**60**	**0**	**60**
VIII. Fisheries													
Integrated fish farming	1	21	02	23	06	01	07	-	-	-	27	03	30
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1	-	29	-	-	01	01	-	-	-	-	30	30
Composite fish culture	6	95	35	130	32	18	50	-	-	-	127	53	180
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													
Scientific GIFT farming	1	19	08	27	03	-	03	-	-	-	22	08	30
Total	**9**	**135**	**74**	**209**	**41**	**20**	**61**	**0**	**0**	**0**	**176**	**94**	**270**
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	21	9	30	0	0	0	0	0	0	21	9	30

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total	**1**	**21**	**9**	**30**	**0**	**0**	**0**	**0**	**0**	**0**	**21**	**9**	**30**
XI. Agro forestry													
Production technologies	5	70	60	130	3	1	4	0	16	16	73	77	150
Nursery management													
Integrated Farming Systems													
Others	1	26	3	29	1	0	1	0	0	0	27	3	30
Total	**6**	**96**	**63**	**159**	**4**	**1**	**5**	**0**	**16**	**16**	**100**	**80**	**180**
XII. Others (Pl. Specify)													
GRAND TOTAL	**37**	**540**	**276**	**816**	**153**	**77**	**230**	**3**	**21**	**24**	**696**	**374**	**1070**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	1	11	01	12	03	-	03	-	-	-	14	01	15
Production of organic inputs	1	14	0	14	1	0	1	0	0	0	15	0	15
Planting material production	2	23	02	25	05	-	05	-	-	-	26	04	30
Vermiculture													
Mushroom Production	1	8	6	14	1	0	1	0	0	0	9	6	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	4	12	15	0	0	0	0	0	0	4	12	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	2	44	-	44	6	-	6	-	-	-	50	-	50
Others(method of soil smapling, analysis & interpretation of results)	1	14	1	15	0	0	0	0	0	0	14	1	15
Total	**9**	**118**	**22**	**139**	**16**	**0**	**16**	**0**	**0**	**0**	**132**	**24**	**155**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	01	11	-	11	04	-	04	-	-	-	11	04	15
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	**01**	**11**	**-**	**11**	**04**	**-**	**04**	**-**	**-**	**-**	**11**	**04**	**15**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop production	FW	Weed management in direct seeded rice	1	Off	13	12	25	0	00	0
Crop	FW	Fertilizer	1	Off	25	0	25	1	0	1

production		management in direct seeded rice								
Soil Science	FW	Production technology for raising Azolla nursery	1	Off	23	2	25	6	2	8
Soil Science	FW	Vermicomposting	2	Off	10	15	25	7	11	18
Soil Science	RY	Method of soil sampling, analysis and interpretation of results	5	On	14	1	15	0	0	0
Soil Science	RY	Vermicomposting & vermiwash production	3	On	15	0	15	1	0	1
Soil Science	FW	INM in papaya & brinjal	1	Off	25	0	25	3	0	3
Soil Science	FW	Nutrient management in rice blackgram paira cropping system	1	Off	12	13	25	12	12	24
Soil Science	FW	Role of micronutrients and their management in cole crops	1	Off	8	17	25	3	4	7
Soil Science	FW	INM in onion	1	Off	24	1	25	7	0	7
Horticulture	F/FW*	Off season cauliflower cultivation for higher income	01	Off	24	06	30	12	05	17
Horticulture	F/FW	Scientific management for controlling flower and fruit drop in okra	01	Off	30	0	30	07	0	07
Horticulture	ES***	Cropping sequence and management of vegetable crops under protected condition	01	On	11	04	15	0	03	03
Horticulture	F/FW	Nutrient and Pest management in Coconut	01	Off	29	01	30	05	0	05
Horticulture	RY**	Seed production techniques in tomato, brinjal and Chilli	01	On	14	01	15	03	0	03
Horticulture	F/FW	Good Agricultural Practices in Pumpkin	01	Off	30	0	30	06	0	06
Horticulture	F/FW	Management of vinerot and leafblight in pointed gourd	01	Off	26	04	30	04	0	04
Horticulture	RY	Quality Planting	01	On	13	02	15	02	0	02

		material production in vegetable crops								
Horticulture	ES	Seed production techniques in Vegetable crops	01	On	11	04	15	0	03	03
Plant Protection	F/FW	IPM for management of BPH in rice	1	Off	30	0	30	5	0	5
Plant Protection	F/FW	IPM strategy for management of leaf curl and mealybug in papaya	1	Off	30	0	30	13	0	13
Fishery Science	F/FW	Pre-stocking management in pisciculture tanks	1	Off-campus	30	-	30	07	-	07
Fishery Science	F/FW	Post-stocking management in pisciculture tanks	1	Off-campus	24	06	30	07	-	07
Fishery Science	F/FW	Scientific GIFT farming	1	Off-campus	22	08	30	03	-	03
Fishery Science	F/FW	Adverse aquatic environment & its remedial measures	1	Off-campus	-	30	30	-	13	13
Fishery Science	F/FW	Manuring of pond for enhanced fish productivty	1	Off-campus	29	01	30	01	-	01
Fishery Science	F/FW	Common parasitic infections in fish and its remedial measures	1	Off-campus	17	13	30	2	2	4
Fishery Science	F/FW	Feed management in pisciculture tanks	1	Off-campus	24	06	30	15	03	18
Fishery Science	F/FW	Seed production technology in small tanks	1	Off-campus	-	30	30	-	01	01
Fishery Science	F/FW	Integrated Fish Farming	1	Off-campus	27	03	30	06	01	07
Agroforestry	F/FW	Techniques of Teak stumps preparation	1	Off	1	29	30	0	15	15
Agroforestry	F/FW	Propagation technology of bamboo species	1	Off	17	13	30	0	0	0
Agroforestry	F/FW	Floral management for honeybees	1	Off	27	3	30	1	0	1
Agroforestry	F/FW	Management practices of Mahogany plants	1	Off	30	0	30	0	0	0
Agroforestry	F/FW	Silvicultural	1	Off	0	30	30	0	1	1

		operations of Acacia spp.								
Agroforestry	F/FW	Management practices of Mangrove plants	1	Off	25	5	30	3	1	4
Agroforestry	RY	Nursery raising techniques of forest seedlings	3	On	13	2	15	3	0	3

*F/FW- Farmers and Farmwomen, **RY-Rural Youth, ***ES- Extension Personnel

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Crop	Seed production	Seed production techniques in tomato, brinjal and Chilli	03	14	01	15	First year			None
Enterprise	QPM production	Quality planting material production in vegetable crops	03	15	0	15	01	02	05	Self employed
Enterprise	Organic farming	Vermicomposting & vermi wash production	3	15	0	15	vermicompost	5	9	
Enterprise	Nutrient management	Method of soil sampling, analysis and interpretation of results	5	15	0	15	0	0	0	None
Fish	Quality fish seed production	Quality seed (spawn & fry) production technology of IMCs	3 days	25	-	25	Fish seed nursery	12	32	-
Fish	Quality fish seed production	Year-round sustainable stunted fingerlings / yearlings production	3 days	25	-	25	Fish seed rearing Carp	18 1	40 5	-

		techniques					hatchery			
Forest seedling raising	Quality Planting Material production	Nursery raising techniques of forest seedlings	3	13	2	15	-	-	-	-
Mushroom cultivation	Enterprenureship development	Skill training on mushroom production	3	9	6	15	Mushroom unit	7	7	

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture	2	44	-	44	6	-	6	-	-	-	50	-	50
Sheep and goat rearing													
Piggery													

Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting	1	14	0	14	1	0	1	0	0	0	15	0	15
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	1	8	6	14	1	0	1	0	0	0	9	6	15
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet training													
Other	1	14	1	15	0	0	0	0	0	0	14	1	15
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Training programme on energy efficient pump sets	Conservation of energy	February	1	Pump technicians	1	70	Bureau of energy efficiency & SDA, Odisha

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other(Trg. On energy efficient pump sets)	1	66	0	66	4	0	4	1	0	1	71	0	71
Total	**1**	**66**	**0**	**66**	**4**	**0**	**4**	**1**	**0**	**1**	**71**	**0**	**71**
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													

Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela	0	0	0	0	0	0	0	0	0	0	0
Kisan Ghosthi	2	238	89	327	0.11	20	5	25	258	94	352
Exhibition	0	0	0	0	0	0	0	0	0	0	0
Film Show	6	142	38	180	20.06	26	7	33	168	63	231
Method Demonstrations	2	12	28	40	0.12	4	1	5	16	29	45
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0	0
Group meetings	0	0	0	0	0	0	0	0	0	0	0
Lectures delivered as resource persons	7	110	40	150	15	0	0	0	110	40	330
Advisory Services	0	0	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	148	598	212	810	20.13	10	2	12	378	432	810
Farmers visit to KVK	772	441	304	745	5.15	21	6	27	462	310	772
Diagnostic visits	0	0	0	0	0	0	0	0	0	0	0
Exposure visits	1	42	8	50	15	2	3	5	44	11	55
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners	0	0	0	0	0	0	0	0	0	0	0

meetings											
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	6	243	269	512	0.02	12	6	18	255	275	530
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	6	152	48	200	15	3	2	5	155	50	205
Mahila Kisan Divas	1	0	30	30	0	0	0	0	0	30	30
Any Other (Specify)	5	547	133	680	0.04	27	12	39	574	145	719
RE meetings											
Total	**954**	**2287**	**1110**	**3397**	**90.52**	**105**	**39**	**144**	**2162**	**1385**	**3727**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	1
Radio talks	8
TV talks	9
Popular articles	0
Extension Literature	3
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	CR 1009 sub-1	113.6	-								
Rice	Swarna	48.0	-								
Rice	MTU 1001	16.0	-								
Grand Total		**177.6**									

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	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower											
Cabbage											
Tomato											
Brinjal											
Chilli											
Onion											
Others											
Fruits											
Mango											
Guava											
Lime											
Papaya											
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species	-	4910	36,060.00	40	8	120	12	120	0	280	20
Others, pl. specify											
Total											

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers – Vermicompost	3200kg	16000								
Bio-pesticide										
Bio-fungicide										
Bio-agents	10kg									
Others, please specify.										
Total										

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings	Jayanti rohu	10000 Nos.	3,200	2	-	-	-	3	1	5	1
Spawn											
Mixed carp frys .	Indian Major Carps	706000 Nos.	1,20,020	25	01	01	-	76	14	102	15
Stunted yearlings	Indian Major Carps	1.7 q	34,000	1	-	-	-	4	2	5	2
Amur carp advanced fingerlings	Amur carp	10000 Nos.	6,000								
Colour fish	Live-bearers	1000 Nos.	2,500	6	-	2	-	14	3	22	3
Grand Total											

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

i) Name of Seed Hub Centre:

Name of Nodal Officer :	Dr. Aurovinda Das
Address :	KrishiVigyan Kendra, Bhadrak Ranital, Odisha-756111
e-mail :	kvkbhadrak.ouat@gmail.com

Phone No. : Mobile :	06784-265825 08895417939

ii) Quality Seed Production Reports

Season	**Crop**	**Variety**	**Production (q)**			
			Target (q)	**Area sown (ha)**	**Production (q)**	**Category of Seed (F/S, C/S)**
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2019	Greengram	IPM-02-03	600	107.2	24.08	C/S
Rabi 2019-2020						

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	50	515872.5	2998172.5	
2017-18		**1555605**	**2183299.5**	
2018-19		**561159.5**	**2269694**	
2019-2020		**203353.0**	**2885132** (Pending bills of Rs. **791739.50** is there to be collected which is included)	

iv) Infrastructure Development

Item	Progress
Seed processing unit	**Completed**
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	Chatu chasa		1	60
Bulletins				

News letter	Salandi		2	500
Popular Articles	"Use of probiotics in shrimp farming" in FISH-O-VOICE magazine	Ambika Prasad Nayak	2000	2000
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
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:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	National conferene on trends and progresss annual sciences	Change in insect pest population dynamics-an emerging threat to mustard production in Odisha	Sri Gayadhar Shial, PA (Forestry)	5-6 Feb 2020, 2 days	Dept. of Bio sciences & Biotechnology, Fakir Mohan University, Balasore
2.	CSISA	CSISA-KVK Network workshop	Rojalin Mohanta, SMS (Ag.Ext)	24.9.19 – 25.9.19 2days	CSISA
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	Mr. Abhimanyu Aich
Address	S/O- Sankhali Aich At- Kuanrda, P.O.- Adia Bhadrak, PIN- 756114
Contact details (Phone, mobile, email Id)	Mobile no.-7539025406
Landholding (in ha.)	4acres
Name and description of the farm/ enterprise	Out of the 4 acres of total land, presently he is cultivating rice in 3 acres, doing fish farming in a 0.5 acre pond. He converted 0.5acre area into a mango orchard and utilzed 0.3acre area for banana plantation. He constructed 4 nos. of low-cost polythene-lined azolla tanks and 3 nos. of vermicomposting tanks. He owned 2 nos. of cross-bred cows. He is also growing seasonal vegetables in the pond embankment and rest 0.2 acre of land and preparing 5 mushroom beds daily.

Economic impact	He earns a total net profit of Rs.1.75 lakh per year from his 4 acres of integrated farming system. From rice he is getting net profit of Rs.20,000 by investing Rs. 30,000 per year. Similarly, he is getting net profit of Rs. 70,000 from pisciculture, Rs. 60,000 from dairy farming, Rs. 25,000 from selling of fruits & vegetables by investing Rs. 50,000, Rs.20,000 & Rs.10,000 in these enterprises respectively
Social impact	More labour mandays have been generated for different agriculture and allied activities.
Environmental impact	The agricultural residues have been utilized for composting, vermicomposting and for mushroom cultivation.
Horizontal/ Vertical spread	A total of 11nos. of pond based farming systems have been developed at Kuanrda village being inspired by the success story of Mr. Aich.

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

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	Vegetables	4	990q	27	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

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

Sl. No	Name of the Equipment	Qty.
1	Spectrophotometer	1
2	Nitrogen analyzer	1
3	pH meter	1
4	EC meter	1
5	Flame photometer	1

6	Physical Balance	1
7	Digital balance	1
8	Mechanical shaker	1
9	MRIDAPARIKSHAK	2

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			**No. of Farmers**	**No. of Villages**	**Amount realized (in Rs.)**
Through mini soil testing kit/labs	**Through soil testing laboratory**	**Total**			
284	30	314	314	26	1455

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	Celebration of World Soil Day	152	5	• Sri Prafulla Samal, MLA, Bhandaripokhari • Sri Sanjib Mallick, MLA, Bhadrak • Malay Ku Jena, Representative, M.P., Bhadrak • Sri Saroj Ku Naya, Member, Zilla Parishad • Sri Khirod, Member, Zilla Parishad	20	119

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/ FET programme - is KVK involved? (Y/N)

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
05.07.19	Dr. P.K.Roul, Dean Extension Education, OUAT	Courtesy visit
11.09. 19	Smt Manjulata Mondal, MP, Bhadrak	Guest, NADCP
11.09. 19	Sri Sanjeeb Mallik, MLA Bhadrak	Guest, NADCP
11.09. 19	Sri Byomkesh Ray, MLA Chandbali	Guest, NADCP
17.09.19	Ms P. Poornima, DFO, Bhadrak, WL Division	Guest Tree Plantation Programme
27.09.19	Dr. R.K. Samanta, Ex VC BCKV	QRT visit
27.09.19	Dr. R. B. Sharma, Member QRT, ICAR	QRT visit
27.09.19	Dr. Y. V. Singh, Member QRT, ICAR	QRT visit
27.09.19	Dr. F. H. Rehman, Member QRT, ICAR	QRT visit
30.09.19	Dr. P. Mishra, JD	SAC Meeting
	Martina Appuhn,	

4. IMPACT

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

Name of specific technology/skill transferred	**No. of participants**	**% of adoption**	**Change in income (Rs.)**	
			Before (Rs./Unit)	**After (Rs./Unit)**
Multiple cropping pattern in pisciculture	1679	92%	2lakh/ha	5lakh/ha

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies			
Technology	**Horizontal spread**	**Technology**	**Horizontal spread**
Intercropping of minor and medium carps in 3 species IMC culture	47 villages involving about 266 farmers	Biological control of aquatic weeds	Technology is expanded to 322 villages with 705 farmers
Multiple cropping pattern in Pisciculture	Technology spread to 342 villages covering 1679 farmers in Bhadrak		

Give information in the same format as in case studies

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

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

4.4. Details of innovations recorded by the KVK

Thematic area	Farm mechanisation
Name of the Innovation	Solar sprayer
Details of Innovator	**Name:** Sri Tatsat Swain **Address:** At/P.O:Bahadul Nagar, Manjuri road, Bhandaripokhari, Bhadrak (Odisha), PIN-756114 **Mobile No.:** 8917603100 **Aadhar No.:** 469145274147 **Education:** Diploma in Elect. Engg.
Back ground of innovation	Drudgery involved towards spraying of pesticides is greatly reduced
Technology details	Solar energy is used for operating sprayer instead of mechanical as used in hand compression knapsack sprayers. Solar panel of 25W is kept over head of user that charges 12v cell is used as source of energy for compression of air into the sprayer drum. It can be charged during spraying operation without exhaustion.
Practical utility of innovation	• Can be used for spraying of PP chemicals in all kinds of agricultural and horticultural crops • Uninterrupted spraying can be taken up • Longevity is extended over that in hand compression or battery operated sprayer

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Fishery
Name & complete address of the entrepreneur	Sri Amit Kumar Nayak, S/o- Surendranath Nayak Vill:- Khirasahi, P.O.- Attu, Dist:- Bhadrak
Role of KVK with quantitative data support:	Capacity building in Integrated fish-cum-hotrticulture farming through training & demonstrations
Timeline of the entrepreneurship development	2017: After retiring from short commissioned military service, came in contact with KVK and attended a vocational training at KVK 2018: During March,2018, excavated a new pond of 1 acre WSA , started pisciculture in it and initiated vegetable cultivation on the embankments 2019: By the end of a year he earned a net profit of Rs.2 lakhs from the unit by selling table-size fishes and vegetables. Encouraged with the results he constructed another new pond of WSA- 1 acre. 2020: During second year, his net income from the project touched Rs.3 lakhs. He employed 2 nos. of rural youth on regular basis
Technical Components of the Enterprise	Scientific pisciculture with vegetable cultivation
Status of entrepreneur before and after the enterprise	As like as he accustomed with a decent living through getting salaries in monthly basis during his service tenure, now he could lead such a life after retirement also by earning monthly profits of Rs.22,000-Rs.25,000 from this integrated project.
Present working condition of enterprise in	His business is going well without any constraints of marketing or

terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	labour availability
Horizontal spread of enterprise	Fish farmers of nearby villages are inspired to take up such integrated fish-cum-horticulture production system

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
IRRI-OUAT Collaborative project	Head to Head trials on Stress tolerant rice varieties- Conducting demonstrations at farmers field on stress tolerant rice varieties. Comparison made with the farmers' comparable rice varieties
Agriculture Department	BGREI - Technical backstopping, monitoring activities by KVK scientists
National Fisheries Development Board	20kg of Amur carp brood-stock has been procured from NFDBs' National Fresh Water Fish Brood-stock bank, Kaushalyaganga, Bhubaneswar
Fishery Dept.,	Beneficiaries from KVK villages availed feed, fish seed from Govt. Schemes
ARD Dept.	Active support both interms of man power and inputs during organization of Animal Health camp and fertility camps in adopted villages

5.2. List of special programmes undertaken during 201-20 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.)
World Soil Day	Awareness about soil health management	5 December 2019	ICAR	80000

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of	Area (Sq.	Details of production			Amount (Rs.)		Remarks
				Variety/bre	Produce	Qty.	Cost of	Gross	

		estt.	mt)	ed			inputs	income	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	26/06/2019	18/12/2019	1.1	MTU 1001	FS	17+8* (Unprocessed)	-	-	*0.6 ha rejected by OSSOPCA due to lodging by cyclone
Rice	27/06/2019	30/11/2019	2	MTU 1010	FS	31* (Unprocessed)	-	-	*2 ha rejected due to lodging by OSSOPCA cyclone
Rice	26/06/2019	19/12/2019	2.4	Swarna	FS	52 (Unproceesd)	-	-	0.4ha rejected due to lodging by OSSOPCA cyclone
Rice	10/07/2019	29/12/2019	4.5	CR 1009 sub-1	FS	120 (Unprocessed)	-	-	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.4. Utilization of hostel facilities

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)

6.5. Utilization of staff quarters

Whether staff quarters has been completed: No
No. of staff quarters:
Date of completion:
Occupancy details:

Months	Q I	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
Contingency Account	SBI	Bhadrak	11403397791
Revolving fund account	SBI	Charampa	30530545584
Pulse Seed Hub account	SBI	Charampa	36055571236

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	

7.4 Utilization of KVK funds during the year 2019-20 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			

3	Contingencies			
A	Stationary, telephone, postage and other office charges			
B	POL, repair of vehicle, tractor & equipment			
C	Training of farmers			
D	Training materials			
E	Training of extension functionaries			
F	Training of rural youths			
G	Front Line Demonstrations			
H	On Farm Testing			
I	SCSP Contingencies			
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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	2,46,533	5,17,134	4,16,782	3,46,885 (3,43,885 deposited at DEE, OUAT vide cheque No. 086229 dt. 31.03.17 + 3000 C. B.)
2017-18	3,000	2,00,000(from DEE, OUAT) + 4,63,629 =6.66,629	4,21,179	45450 (2,00,000deposited at DEE, OUAT vide cheque No. 427019dt. 31.03.18 + 45,450 C. B.)
2018-19	45450	2,00,000(from DEE, OUAT) + 557914=757914	566767.5	236596.5 + 272.0q rice seeds
2019-20				

7.6. (i) Number of SHGs formed by KVKs: No

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
MaaTarinin SHG, Kuanrda- Paddy production
MahadebaKrushaka Sangha-Paddy Seed Production
Mahavir SHG, Bandhagaon- Dairy production
BayananaaKrushaka Club, Gopali-Pulse production
MaaMangala SHG, Thaila, Paddy production
MaaDurga SHG- Paddy production

(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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. *mKisan* Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	19	1830470
Livestock	0	0
Fishery	3	312249
Weather	2	224206
Marketing	0	0
Awareness	1	112103
Training information	0	0
Other	0	0

Total	25	2479028

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	8499
2.	No. of farmers registered in the portal	No
3.	Mobile Apps developed by KVK	No
4.	Name of the App	No
5.	Language of the App	No
6.	Meant for crop/ livestock/ fishery/ others	No
7.	No. of times downloaded	No

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
17/09/19	Tree plantation prog. in KVK
18/09/19 to 21/10/19 (10 days)	Awareness on SBM & Jalashakti Abhiyan, cleaning of KVK demo unit (Mushroom), cleaning of Ranital Railway Station periphery, cleaning of village roads, cleaning of KVK campus, medicinal garden, cleaning of temple surroundings, promotion of organic practices in rice fields, awareness on cleaning of Ranital U.P. school campus, cleaning of KVK library

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office		
2. Basic maintenance	02	2000.00
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas	03	4550.00
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	05	-
6. Used water for agriculture/ horticulture application	02	7481.00
7. Swachhta Awareness at local level	05	11700.00
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	01	336.00
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)	05	-
14. No of Staff members involved in the activities	13	-
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	**36**	**26067.00**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ 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

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Doordarshan (Yes/ No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

9.10. Details of Swachhta Hi Sewa programme organized

Sl.	Activity	No. of	No. of	No. of VIPs	Name (s) of VIP(s)

No.		villages Involved	Particip ants		
1	Cleaning of school premises	02	250	-	-
2	Promotion of organic practices by using farm residues	05	200	-	-

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)
1	Film show, Debate	4	30	0	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri PurnachandraMajhi	Thaila, Bhandaripokhari, Bhadrak	Satellite fish farming
1	Abhimanyu Aicha	Village: Kuanrda, Bonth, Bhadrak 7539025406	Pond based farming system, use of organics in vegetable crops
2	Kamalkanta	Village: Biridi, Agarpada, Bhadrak, 8342864670	Pointed gourd and ivy gourd planting material production, agro shed net house
3	DigbalayMallik,	Bagmara, Bhadrak 9937023145	Pond based farming system, goatery

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year: 2019
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1	Comparing the performance of different crop establishment methods in low land ecology of Bhadrak	To compare productivity and profitability of DSR in comparison to traditional methods of rice establishment To explore feasibility/ possibilities of mechanized DSR for wide-scale adoption by farmers.	T1: manual sowing fb beushaning T2: Direct seeded rice T3: Manual random transplanting		5	
Experiment 2	Finding out suitable integrated weed management option in direct seeded rice	To study the different weed management modules on control of complex weed flora under mechanized	T1: two hand weeding (20-22 DAS and 40-45 DAS) T2: Pre-emergence Pretilachlor 500 g ai/ha fb hand weeing at 30-35 DAS			

		DSR To find out best weed management module in respect of productivity and profitability under mechanized DSR	T3: Bispyribac sodium+ Pyrazosulfuron at 20g + 20g ai/ha at 15-25 DAS T4: Bispyribac sodium+ Pyrazosulfuron at 20g + 20g ai/ha at 15-25 DAS fb one hand weeding at 40-45 DAS T5: two mechanical weeding at 15-20 DAS and 30-35 DAS			
Experiment 3	Performance of rabi crops in sequence with rice for comparing productivity and economics under irrigated ecology	To identify most suitable and profitable rabi crops in sequence with kharif rice under irrigated condition	T1: Rice-rice T2: Rice- toria T3: Rice- green gram T4: Rice-sunflower T5: rice-toria-green gram			
Experiment 4	Optimization of sowing time of summer green gram in rice-green gram cropping system under irrigated condition	To find out most suitable dates of planting of summer greengram in rice greengram cropping sequence.	T1: 1 January T2: 15 January T3: 30 January T4: 15 February T5: 28 February			
Experiment 5	Optimization of planting method and cultural operation in sunflower	To study the effect of different planting methods and cultural methods on yield and economics of sunflower	T1: Manual dibbling (dry) fb irrigation + cultural operation(Manual) T2: Mechanical sowing (dry) fb irrigation + cultural operation			

			(manual) T3: Mechanical sowing (dry) fb irrigation + cultural operation (mechanical) T4: Mechanical sowing (dry) fb irrigation + cultural operation (mechanical)			
Experiment 6	Performance of sunflower as influenced by time of planting in coastal irrigated situation	To find out the suitable time of planting of sunflower in coastal irrigated condition	T1: 30 December T2: 15 January T3: 30 January T4: 15 February			
Others (If any)						

11. Details of TSP

a. Achievements of physical output under TSP during 2019-2020

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2019-20 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2019-2020

Sl. No.	Description	Unit	Achievements

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

d. Location and Beneficiary Details during 2019-2020

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

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best Farmer Award on OUAT Foundation Day	Abhimanyu Aich	2019-20	OUAT	-	-

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

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

17. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3-5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1					
2					

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

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

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

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

20. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2019

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 SIP Portal (Y/N)	Fund utilized for the training (Rs.)
				SC		ST		Other			
				M	F	M	F	M	F		

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2019

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

21. Information on NARI Project (if applicable)

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

22. Information on 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 farmers benefitted***									***No. of officials attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA-I											
KKA-II											

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

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

C. Livestock and Fishery related activities

Name of	***No.***	***Activities performed***	***No. of farmers benefited***	***No. of other***

programme	*of Programme*	*No. of animals vaccinated*	*No. of animals dewormed*	*Feed/ nutrient supplements provided (kg)*	*Any other (Distribution of animals / birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			*officials (except KVK) attended the programme*
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I															
KKA-II															

D. Other activities

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

Krishi Kalyan Abhiyan- III

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

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

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

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

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