

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

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
At. Jajang.Po.Kapaleswar, Dist. Kendrapara.Odisha. 754211	06727-274962 274963		kvvkendrapara.ouat@gmail.com, kendraparakvk@yahoo.co.in

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture and Technology Bhubaneswar-3	(0674)-2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868		

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Surya Narayana Mishra		9437982254	suryakrishna4422@gmail.com

1.4. Year of sanction of KVK: 1994

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist& Head	Dr. Surya Narayana Mishra	Senior Scientist & Head	Plant Protection	22320 - AGP-8000	08.09.2017	Contractual	Others
2	Subject Matter Specialist	Mrs. Namita Mohapatra	Scientist (Home Science)	Home science	15600 - 39100 AGP-6000 22220	13.01.2012	Contractual	Others
3	Subject Matter Specialist	Sri Tapas Ranjan Sahoo	SMS(Agronomy)	Agronomy	15600 - 39100 AGP-5400 15600	26.11.2018	Contractual	Others
4	Subject Matter Specialist	Sri Prabhanjan Mishra	SMS(Horticulture)	Horticulture	15600 - 39100 AGP-6000 19810	22.11.2018	Contractual	Others
5	Subject Matter Specialist	Miss Smrutilipi Hota	SMS(Agril. Engineering)	Agril. Engineering	15600 - 39100 AGP-5400 15600	08.01.2019	Contractual	Others
6	Subject Matter Specialist							
7	Subject Matter Specialist							
8	Programme Assistant	Mr Pravat Kumar Sahoo	PA(Agriculture)	Soil Science	9300-34800 GP 4200 11940	06.01.2016	Contractual	Others
9	Computer	Sri Nihar	PA(Computer)	Computer	9300-34800	15.07.2014	Contractual	Others

	Programmer	Ranjan Baral			GP 4200 15100			
10	Farm Manager	Sri Rajesha Kumar Mohapatra	Farm Manager	Agriculture	9300-34800 GP 4200 9300	01.02.2019	Contractual	Others
11	Accountant / Superintendent							
12	Stenographer	Sri Kishore Chandra Das	Jr. Steno cum Comp. Operator	-	5200-20200 GP- 2400 8490	20.07.2013	Contractual	Others
13.	Driver	Sri Rajesh Ku. Behera	Driver cum Mechanic	-	5200-20200 GP- 1900 7400	23.07.2008	Contractual	SC
14.	Driver	Sri Anirudha Gochhayat	Driver cum Mechanic	-	5200-20200 GP- 1900 7400	07.07.2014	Contractual	SC
15.	Supporting staff	Sri Krushna chandra Bhujabal	Peon cum watchman	-	4440-7440 GP- 1300 6760	29.07.2008	Contractual	Others
16.	Supporting staff	Bansidhar Parida	Peon cum watchman	-	4440-7440 GP- 1300 6760	01.07.2014	Contractual	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2.	Under Demonstration Units	1.5
3.	Under Crops	5
4.	Orchard/Agro-forestry	2.5
5.	Others with details	1.5
	Total	12

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					✓			
2.	Farmers Hostel					✓			
3.	Staff Quarters (6)					✓			
4.	Piggery unit								
5	Fencing					✓			
6	Rain Water harvesting structure								
7	Threshing floor					✓			
8	Farm godown					✓			
9.	Dairy unit								
10.	Poultry unit					✓			
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit					✓			
14.	Shade house								
15.	Soil test Lab					✓			
16	Others,Please Specify								

* 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 DI 2WD OR02BR6228	2011	460534	145313 (As on 31.03.2019)	Running
Hero Honda Super Splender OR 04G4022	2007	42782	47720 (As on 31.03.2018)	Running

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
soil testing kit (Mridaparikshyak)	2015-16	75000	Functioning	ICAR
Soil testing mini lab	2016-17	86000	Functioning	ICAR
b. Farm machinery				
Tractor	2018-19	634506	Functioning	ICAR
c. AV Aids				
LCD Projector				
LED TV	2017-18	28000	Functioning	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Secature, Improved sickles and tree pruner	2017	4000/-	Good condition	KVK, Contigency
2 battery operated and one manual sprayer	2018	11,000/-	Sprayers in good condition	KVK, Contigency

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	11.12.2018	30			

* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

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

Sl. No.	Item	Information
1	Major Farming system/enterprise	Rice-Fallow, Rice-Pulse, Rice-Pulse-Vegetable, Rice-Vegetable, Vegetable-Vegetable
2	Agro-climatic Zone	East & South-East Coastal Plane Zone
3	Agro ecological situation	Coastal Irrigated alluvium (AES-1) Rainfed alluvium (AES-2) Coastal alluvial saline (AES-3) Coastal waterlogged (AES-4)
4	Soil type	Alluvial (Sandy loam) Alluvial (Sandy loam) Saline Black Soil clay loam
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Rice Greengram Blackgram Groundnut
6	Mean yearly temperature, rainfall, humidity of the district	
7	Production of major livestock products like milk, egg, meat etc.	

PRODUCTION AND PRODUCTIVITY OF LIVESTOCK, POULTRY, FISHERIES ETC. IN THE DISTRICT

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	29400	31000 MT/yr(milk)	
<i>Indigenous</i>	188728		
Buffalo	31735		
Sheep			
Crossbred	43367	324 MT/yr(meat)	

Category	Population	Production	Productivity
<i>Indigenous</i>			
Goats	104474		
Pigs			
<i>Crossbred</i>	9231		
<i>Indigenous</i>			
Rabbits			
Poultry			
Hens	301564	27 millions eggs/yr	
<i>Desi</i>			
<i>Improved</i>			
Ducks	94200		
Turkey and others			

Note: Please give recent data only

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1		Mahakalpada	Ranki	Paddy, vegetables, pulses	Soil salinity, marketing problem	
2		Derabis	Ender	Paddy, pulses		
3		Pattamundai	Napanga	Paddy		
4		Derabis	Raipur	Paddy, vegetables, pulses		
5		Marshaghai	Raghunathpur	Paddy, vegetables, pulses		

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

2.1 Priority thrust areas

S. No	Thrust area
1.	Management of acid and saline soil.
2.	Varietal substitution of rice, pulses, oilseed and vegetables for higher production and suitable for adverse climatic condition.
3.	Integrated nutrient management in rice, pulses and vegetables
4.	Integrated management of major pest of rice, pulses and vegetables.
5.	Integrated weed management in rice, greengram, blackgram and vegetables.
6.	Value addition of tomato, potato and milk
7.	Introduction of small scale remunerative enterprises.
8.	Drudgery reduction of farm women.
9.	Breed up gradation in livestock's.
10.	Introduction of improved poultry variety.
11.	Improved housing system for livestock and poultry.
12.	Feed management in pisciculture pond.
13.	Yearling production
14.	Integrated farming system

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									
10	8	76	SC	ST	Others		Total			20	15	200	SC	ST	Others		Total						
			M	F	M	F	M	F	T				M	F	M	F	M	F	T				
			2	1	-	-	34	25	36	26	62				12	3	-	-	82	49	94	52	146

Training											Extension activities												
Number of Courses		Number of Participants									Number of activities		Number of participants										
Targ et	Achievem ent	Targ et	Achievement								Targ et	Achievem ent	Targ et	Achievement									
85	74	1900	SC	ST	Others		Total			5000	4262	30000	SC	ST	Others		Total						
			M	F	M	F	M	F	T				M	F	M	F	M	F	T				
			8	3	6	3	100	52	109	56	165				129	43	10	6	185	586	199	636	26,3
			5	4			4	6	2	3	5			6	2	3	5	48	5	47	2	09	

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						
1900	1655	M	F	M	F	M	F	M	F	T	30000	26,309	M	F	M	F	M	F	M	F	T
		4	3	1	-	240	72	245	75	320			45	23	3	7	878	294	926	324	1250

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
200	165	0.15	0.10

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested	
Target	Achievement	Target	Achievement
-	-	300	214

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	-	-					
Seminar/conference/ symposia papers	1	1					
Books	3	1000					
Bulletins	2	20					
News letter	3	1500					
Popular Articles	16	-					
Book Chapter	-	-					
Extension Pamphlets/ literature	5	3000					
Technical reports	4	20					
Electronic Publication (CD/DVD etc)	-	-					
TOTAL	34	5541					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of foliar nutrition of N-P-K (19-19-19) in rice
2.	Problem diagnosed	Low yield of rice due to poor nutrient management.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ : Cultivation of rice with normal recommended practices with two sprays of Urea @1.5% spray at active tillering and PI stage , TO ₂ : Cultivation of rice with normal recommended practices with two sprays of N-P-K (19-19-19) @1.5% spray at Active tillering and PI stage ,
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	BAU,2017
5.	Production system and thematic area	Rice -rice , crop production
6.	Performance of the Technology with performance indicators	Cultivation of rice with normal recommended practices with two sprays of N-P-K (19-19-19) @1.5% spray at active tillering and PI stage results in 21 % higher yield than the farmers practice and gives higher economic return with 1.56 B:C ratio.
7.	Final recommendation for micro level situation	Two foliar application of N-P-K (19-19-19) @ 1.5 % spray at active tillering and PI stage resulted higher yield and higher economic return in summer rice cultivation in irrigated system.
8.	Constraints identified and feedback for research	Foliar application of water soluble fertilizer delayed panicle emergence and needs further research
9.	Process of farmers participation and their reaction	7 no s of farmers participated in this trial and take participation in the demonstration of foliar spray. They realized the yield enhancement effect due to foliar spray and sought complete input supply instead of only critical inputs.

Thematic area: Integrated nutrient management

Problem definition: Low yield of rice due to poor nutrient management.

Technology assessed:

FP: Cultivation of rice (Mahalaxmi Local) with no foliar application of nutrients and with application of 60-30-30 kg/ha of N-P₂O₅- K₂O with only one split application of N at PI stage

TO₁: Cultivation of rice with normal recommended practices with two sprays of Urea @1.5% spray at active tillering and PI stage,

TO₂: Cultivation of rice with normal recommended practices with two sprays of N-P-K (19-19-19) @ 1.5% spray at Active tillering and PI stage.

Table: 1

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/sqm	No. of filled spikelet per panicle	Test wt. (100 grain wt.)						
FP	7	216.7	136.3	17.8	13	31.85	32230	44590	12360	1.38
TO ₁	7	218.3	142.2	18.3	12	36.24	33674	50736	17062	1.51
TO ₂	7	218.5	147.4	18.6	10	38.52	34561	53920	19367	1.56

Results:

Cultivation of rice with normal recommended practices with two sprays of N-P-K (19-19-19) @1.5% spray at Active tillering and PI stage resulted in higher crop yield i.e. 38.52 q/ha which also found to be superior with respect to economic return resulting in higher net return (Rs 19367) and B: C ratio 1.56. The results of the treatment TO2 is followed by cultivation of rice with normal recommended practices with two sprays of Urea @1.5% spray at active tillering and PI stage. Both the assessing technology perform better over the farmers practice.

Achievements on technologies assessed and refined

OFT-2

1.	Title of On farm Trial	Assessment of colocasia varieties
2.	Problem diagnosed	Low yield form colocasia due to high blight infestation, less tolerant to water lodged condition.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Cultivation of local variety carry over seed colocasia TO ₁ : Colocasia variety Muktakeshi resistant to leaf blight, avg. yield (18 t/ha) t/ha TO ₂ : Colocasia variety Telia suitable for water logged condition, good cooking quality with longer shelf life, avg. yield 18-20t/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CTCRI,2012
5.	Production system and thematic area	<i>Varietal evaluation</i>
6.	Performance of the Technology with performance indicators	Colocasia variety Muktakeshi resistant to leaf blight, and avg. yielded 17.84 t/ha
7.	Final recommendation for micro level situation	Muktakeshi var has yield advantage over FP 22% alongwith leaf blight tolerance capacity
8.	Constraints identified and feedback for research	Telia variety is susceptible to leaf blight
9.	Process of farmers participation and their reaction	Farmers stored planting materials of this year production for growing in future and satisfied with the performance of muktakeshi variety

Thematic area: Varietal evaluation

Problem definition: Low yield form colocasia due to high blight infestation, less tolerant to water lodged condition.

Technology assessed:

FP: Cultivation of local variety carry over seed colocasia

TO₁: Colocasia variety Muktakeshi resistant to leaf blight, avg. yield (18 t/ha) t/ha

TO₂: Colocasia variety Telia suitable for water logged condition, good cooking quality with longer shelf life, avg. yield 18-20t/ha Table:

Technology option	No. of trials	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	07	22	161	75,300	1,28,800	53,500	1.7
TO ₁	07	6	178.4	79,700	1,42,720	63,020	1.8
TO ₂	07	24	192.8	79,700	1,54,240	80,300	1.9

Results:

Achievements on technologies assessed and refined

OFT-3

1.	Title of On farm Trial	Assessment of IPM strategy for management of sheath blight in rice
2.	Problem diagnosed	Low yield of rice due to sheath blight in rice
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Spraying of Mancozeb @ 2.5g / lit TO ₁ : Seed treatment with carboxin 37.5 % + Thiram 37.5 % @ 2.5 g./ kg seed and alternate spraying of Thifluzemide 0.75 ml/lit and hexaconazole 2 ml/lit at 15 days interval TO ₂ : Seed treatment with Thiophinate methyl 1.5 gram /kg seed and need based spraying of tebuconazole 50 % + Trifloxystrobin 25 % 0.4 gm/litres and validamycine @ 2 ml/lit at 15 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Integrated pest management
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Integrated pest management

Problem definition: Problem diagnose: Low yield of rice due to sheath blight in rice

Technology assessed:

FP: Spraying of Mancozeb @ 2.5g / lit

TO₁: Seed treatment with carboxin 37.5 % + Thiram 37.5 % @ 2.5 g./ kg seed and alternate spraying of Thifluzemide 0.75 ml/lit and hexaconazole 2 ml/lit at 15 days interval

TO₂: Seed treatment with Thiophinate methyl 1.5 gram /kg seed and need based spraying of tebuconazole 50 % + Trifloxystrobin 25 % 0.4 gm/litres and validamycine @ 2 ml/lit at 15 days interval

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					38.0	37500	53200	15700	1.41	
TO ₁					44.0	39000	61600	22600	1.57	
TO ₂					49.0	40500	68600	28100	1.69	

Results:

Achievements on technologies assessed and refined

OFT-4

1.	Title of On farm Trial	Assessment of IPM strategy for management of sucking pest in chilli
2.	Problem diagnosed	Low yield of chilli due to sucking pest infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Spraying of imidachloprid 17.8 SL @ 4 ml/ 10 lit of water TO ₁ : Blue sticky trap: 50 nos /ha, need based alternative spraying of neem 1500 ppm @ 3 ml/lit and thiomethoxam 25 % WG @ 0.35 g./lit of water at 10 days interval for management of thrips and need based application of propogite 57 % EC @ 2 ml/lit for management of mite. TO ₂ : Blue sticky trap: 50 nos /ha, need base alternative spraying of neem 1500 ppm @ 3 ml/lit and Difenthurion 50 % WP @ 1.25 gram/lit of water at 10 days interval for management of thrips and mite.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Integrated pest management
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Integrated pest management

Problem definition: Low yield of chilli due to sucking pest infestation

Technology assessed:

FP: Spraying of imidachloprid 17.8 SL @ 4 ml/ 10 lit of water

TO₁: Blue sticky trap: 50 nos /ha, need based alternative spraying of neem 1500 ppm @ 3 ml/lit and thiomethoxam 25 % WG @ 0.35 g./lit of water at 10 days interval for management of thrips and need based application of propogite 57 % EC @ 2 ml/lit for management of mite.

TO₂: Blue sticky trap: 50 nos /ha, need base alternative spraying of neem 1500 ppm @ 3 ml/lit and Difenthurion 50 % WP @ 1.25 gram/lit of water at 10 days interval for management of thrips and mite.

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					35	63500	157500		2.48	
TO ₁					44	69000	198000		2.86	
TO ₂					41	65500	184500		2.77	

Results:

Achievements on technologies assessed and refined

OFT-5

1.	Title of On farm Trial	Assessment of medium duration rice varieties tolerant to BPH
2.	Problem diagnosed	Low yield of rice due to BPH / WBPH infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Cultivation of Swarna TO ₁ : Cultivation of rice variety Hasanta, 145-150 days duration, Grain size : Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Resistant to BPH. TO ₂ : Cultivation of Pooja, 145 days duration, Avg. yield 45-50 qt/ha, Grain size : Medium slender, Resistant to blast
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Rice Chiplima, Odisha-2015, OUAT, Odisha 2005.
5.	Production system and thematic area	Rice -pulse farming system, Varietal evaluation
6.	Performance of the Technology with performance indicators	TO ₁ : Cultivation of rice variety Hasanta, 145-150 days duration, Grain size : Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Resistant to BPH. TO ₂ : Cultivation of Pooja, 145 days duration, Avg. yield 45-50 qt/ha, Grain size : Medium slender, Resistant to blast Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio.
7.	Final recommendation for micro level situation	Better performances of rice variety Hasanta, 145-150 days duration, Grain size : Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Resistant to BPH. And Cultivation of Pooja, 145 days duration, Avg. yield 45-50 qt/ha, Grain size : Medium slender, Resistant to blast Cost of intervention.
8.	Constraints identified and feedback for research	Low yield of rice due to BPH / WBPH infestation. Cultivation of rice variety Hasanta needs to area expansion.
9.	Process of farmers participation and their reaction	Satisfactory

Thematic area: Integrated pest management

Problem definition: Low yield of rice due to BPH / WBPH infestation

Technology assessed:

FP : Cultivation of Swarna

TO₁:Cultivation of rice variety Hasanta, 145-150 days duration, Grain size : Medium slender, Panicle length: 27.8 cm, Average yield: 55-60 q/ha; Resistant to BPH.

TO₂:Cultivation of Pooja, 145 days duration, Avg. yield 45-50 qt/ha, Grain size : Medium slender, Resistant to blast

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 grains per panicle	Test wt. (1000grain wt.)gm.						
FP	07	17	120	24.5	24	40.2	40567	56280	15713	1.38
TO1	07	29	155	26.5	07	46.3	41684	64820	23136	1.55
TO2	07	23	140	25	09	43.9	42901	61460	18559	1.43

Results:

FP :Cultivation of Swarna Yield about 40.2 q/ha

TO₁:Cultivation of rice variety Hasanta, Yield about 46.3 q/ha which is 15.17 % increase in yield over farmer practice.145-150 days duration, Grain size : Medium slender, Disease/ insect pest incidence 7%

TO₂:Cultivation of Pooja Yield about 43.9 q/ha which is 9.20 % increase in yield over farmer practice Avg. Disease/ insect pest incidence 9% B:C ratio. of Hasant is 1.55 which is better than Swarna and pooja.

Achievements on technologies assessed and refined

OFT-6

1.	Title of On farm Trial	Assessment of nutrient management in blackgram
2.	Problem diagnosed	Low yield of blackgram due to improper nutrient management.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Imbalanced nutrient application (DAP 30 kg/ha) TO ₁ : Recommended fertilizer dose (20:40:20 NPK kg/ha) TO ₂ : Soil test based fertilizer + 2% DAP foliar spray at pre flowering stage.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT-2012
5.	Production system and thematic area	Rainfed, medium land, (Rice-Pulse) ,Integrated nutrient Management
6.	Performance of the Technology with performance indicators	TO ₁ : Recommended fertilizer dose (20:40:20 NPK kg/ha) TO ₂ : Soil test based fertilizer + 2% DAP foliar spray at pre flowering stage.
7.	Final recommendation for micro level situation	Two foliar application of DAP @ 1.5 % spray at active tillering and PI stage resulted higher yield and higher economic return in Kharif rice cultivation in irrigated system.
8.	Constraints identified and feedback for research	Foliar application of water soluble fertilizer delayed panicle emergence and needs more Research.
9.	Process of farmers participation and their reaction	7 no s of farmers participated in this trial and take participation in the demonstration of foliar spray. They realized the yield enhancement effect due to foliar spray.

Thematic area: Integrated nutrient management

Problem definition: Low yield of blackgram due to improper nutrient management.

Technology assessed:

FP: Imbalanced nutrient application (DAP 30 kg/ha)

TO₁: Recommended fertilizer dose (20:40:20 NPK kg/ha)

TO₂: Soil test based fertilizer + 2% DAP foliar spray at pre flowering stage.

Table:

Technology option	No. of trials	Yield component			(% increase in yield)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of pods/plant(nos.)	No. of Seeds/pod(nos.)	Test wt. (100 grain wt.)gm.						
FP	07	30	4	37		4.8	12300	19200	6900	1.56
TO1	07	45	5	39	10.41	5.3	12975	21200	8225	1.63
TO2	07	55	6	42	16.66	5.6	12102	22400	10298	1.85

Results:

Cultivation of Blackgram with normal recommended practices with foliar sprays of DAP @2 % at the time of first appearance of flowers and a second spray at 15 days after first spray for enhanced seed set. TO₁ yield enhanced 5.3q/ha and 10.41(%) increased in yield with and TO₂ yield enhanced 5.6 q/ha and 16.66(%) increased in yield with B:C ratio 1.85

Achievements on technologies assessed and refined

OFT-7

1.	Title of On farm Trial	Assessment of locally prepared fish feed on growth and yield of fish
2.	Problem diagnosed	Low income from fish due to high cost of commercial feed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Use of commercial feed TO ₁ : Groundnut oil cake + rice polish @ 50:50 TO ₂ : Mustard oil cake + rice polish @ 60:40
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SAU : College of Fishery, Rangeilunda, Berhampur-7 (OUAT)
5.	Production system and thematic area	Feed management
6.	Performance of the Technology with performance indicators	Satisfactory with higher profit
7.	Final recommendation for micro level situation	Groundnut oil cake + rice polish @ 50:50 is recommended as low cost fish feed to get more profit
8.	Constraints identified and feedback for research	Availability of quality groundnut oil cake at village level. It is found that Groundnut oil cake + rice polish @ 50:50 is better than other combinations
9.	Process of farmers participation and their reaction	Proper mixing of Groundnut oil cake + rice polish followed by method of application (Broad casting) at the right time.

Thematic area:

Problem definition: Low income from fish due to high cost of commercial feed

Technology assessed:

FP: Use of commercial feed

TO₁: Groundnut oil cake + rice polish @ 50:50

TO₂: Mustard oil cake + rice polish @ 60:40

Table:

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	13	32.55	1,95,300	3,25,500	1,30,200	1.6
TO ₁	13	34.12	1,76,600	3,41,200	1,64,600	1.9
TO ₂	13	28.45	1,84,925	2,84,500	99,575	1.53

Results:

Achievements on technologies assessed and refined

OFT-8

1.	Title of On farm Trial	Assessment of production of vermicompost using different organic wastes
2.	Problem diagnosed	Unavailability of organic wastes for preparation of vermicompost
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Use of Agriculture waste for vermicompost production TO ₁ : Cow dung + straw 2:1 ratio TO ₂ : Cow dung + aquatic weeds 1:2 ratio
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AINP on Biodiversity and bio fertilizer , OUAT,2012
5.	Production system and thematic area	Production of organic input in organic farming
6.	Performance of the Technology with performance indicators	Nutrient content of vermicompost is better than FYM. N-P-K content
7.	Final recommendation for micro level situation	Using low amount of cow dung with maximum utilization of available agricultural waste (aquatic weed)
8.	Constraints identified and feedback for research	Availability of earthworm for composting is a constraints.
9.	Process of farmers participation and their reaction	Proper utilization and recycling of agricultural waste for soil health management .

Thematic area:

Problem definition: Unavailability of organic wastes for preparation of vermicompost

Technology assessed:

FP: Use of Agriculture waste for vermicompost production

TO₁: Cow dung + straw 2:1 ratio

TO₂: Cow dung + aquatic weeds 1:2 ratio

Table:

Technology option	No. of trials	Nutrient content			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		N%	P%	K%						
FP	7	1.13	0.53	0.67		2.77	1520	2770	1250	1.82
TO ₁	7	1.16	0.52	0.71		2.80	1720	3300	1580	1.91
TO ₂	7	1.44	0.86	1.08		2.88	1320	3380	2060	2.56

Results:

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	
			in cucumber. RP: Fruit fly trap @ 25/ha in the time of fruit setting will reduce the male fruit fly population.												
8	Groundnut	Integrated disease management	FP: Spraying of carbendizim 12 % + Mancozeb 64 % @ 2 gram/lit. RP: Seed treatment with Carboxin 37.5 % + Thiram 37.5 % @ 2.0 g/kg seed. Alternate spraying of Chlothalonil @ 1.5 g/lit and carbendizim + Mancozeb @ 2.0 gram/lit at 15 days interval.												
9	Rice	Integrated nutrient management	FP: Improper management of nitrogenous fertilizer. RP: Application of nitrogenous fertilizers in phases as per LCC reading	1	1	0	0	0	0	10	0	10	0	10	
10	Jute	Integrated nutrient management	FP: Imbalanced fertilizer application. RP: Soil test based fertilizer application and soil application of Azotobacter and PSB innocultaed in FYM @ 3.0	1	1	0	0	0	0	10	0	10	0	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Groundnut	Rabi	Irrigated	Sandy loam	180	16	192	Rice	16.11.2018	24.02.2019	32	3
Chilli											
Yam											
Vegetable seedling											
Rice											
Brinjal											
Cucumber											
Groundnut											
Rice	Kharif	Irrigated	Alluvial	128.3-208.3	5.7-12.4	114.2-179.6	Blackgram	27.08.2018	27.01.2019	546	34
Jute	Kharif	Irrigated	Alluvial	118.3-199.4	4.3-11.1	113.9-200.6	Greengram	4.04.2018	05.09.2018	989	41
Greengram	Rabi	RF	Sandy Clay,Acidic	119.5-190.4	8.6-11.3	117.2-185.8	Rice	29.12.2018	27.02.2019	46	04
Groundnut	Rabi	RF	Sandy Clay,Saline	121.6-205.3	6.5-11.8	121.8-181.3	Rice	29.11.2018	12.03.2019	85	04
Honey bee	Rabi	-	-	-	-	-	-	24.01.2019	Cont..	23	2
Mushroom	Rabi	Rainfed	-	-	-	-	-	21.12.2018	8.01.2019	26	2
Nutritional garden	Kharif	Irrigated	Clay loam	165	20	210	-	03.08.2018	14.09.2018	346	23
Marigold	Rabi	Irrigated	Clayey soil	156	14	153	Paddy	04.02.2019	28.04.2019	35	3

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.

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	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					

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		Dem o	Chec k	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Integrated Weed management	FP: Cultivation of groundnut without application of herbicide for control of weeds. Only manual weeding is done after 25-30 DAS. RP: Application of post emergence herbicide Sodium Acifluorfen 16.5 % + clodinafop propargyl 8 % EC @ 400 ml/ acre after 25 DAS in Groundnut	10	2	17.85	15.62	14.28			38280	71400	33120	1.87	35830	62480	26650	1.74
Chilli		FP: Cultivation of green chilli without using mulching and drip irrigation. RP: Mulching (25 micron poly mulch) with in line drip irrigation in chill to reduce water consumption. Planting in spacing of PXR= 45 cm X 60 cm.	10	1ha	155	125	20			92,800	2,100	1,17,200	2.3	76,700	1,75,000	98,300	2.2

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
Yam	Varietal evaluation	FP: Cultivation of local variety yam. RP: Cultivation of yam var. Shree Nidhi	10	1ha	184	146	26			214000	368000	154000	1.71	1,86,000	2,92,000	106000	1.56
Vegetable seedling		FP: Open seedling raising. RP: Raising of vegetable seedling under poly tunnel structure (8x3x2) m decrease the damage and disease infestation.						6% mortality	78% mortality	9,000 (6000 cost of structure)	28,200	19,200	3.13	3000	6,600	3,600	2.2
Rice	Integrated pest management	FP: Spraying of imidachlorpid 17.8 Sl 4ml/10 lit of water. RP: Keeping alleyways of 30 cm after 3 mt interval, alternate drying and wetting and alternate spraying of Flonicamide 50 % WG @ 0.3 g./lit with Buprofezin 750 ml/ha at 10 days interval			49	35	17			41000	68600	27600	1.67	38000	49000	11000	1.28

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		Dem	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Brinjal	Integrated disease management	FP: Spraying of infective fungicides (Carbendizam 2.0 g./lit) RP: Removal of affected plants, soil drenching of Copper oxychloride 88 % WP @ 2.5g/lit and Streptocycline 1.0 gram/10 lit. of water twice at 10 days interval			272	228	17			88000	217600	129600	2.47	86000	182400	96400	2.12
Cucumber	Integrated pest management	FP: Spraying of chloropyriphos for 8management of fruit fly in cucumber. RP: Fruit fly trap @ 25/ha in the time of fruit setting will reduce the male fruit fly population.			91	72	26.38			52000	127400		2.45	48000	100800		2.10

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		Dem o	Chec k	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Integrated disease management	FP: Spraying of carbendizim 12 % + Mancozeb 64 % @ 2 gram/lit. RP: Seed treatment with Carboxin 37.5 % + Thiram 37.5 % @ 2.0 g/kg seed. Alternate spraying of Chlothalonil @ 1.5 g/lit and carbendizim + Mancozeb @ 2.0 gram/lit at 15 days interval.			17	14.5	71.4			36500	68000	31500	1.86	34000	58000	24000	1.70
Rice	Integrated nutrient management	FP: Improper management of nitrogenous fertilizer. RP: Application of nitrogenous fertilizers in phases as per LCC reading	10	1	46.2	41.4	11.59			39676	64680	25004	1.63	40704	57960	17256	1.42

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		Dem	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Jute	Integrated nutrient management	FP: Imbalanced fertilizer application. RP: Soil test based fertilizer application and soil application of Azotobacter and PSB inoculated in FYM @ 3.0 Kg each / 100 kg FYM	10	1	17.09	14.85	15.08			49409	85450	35941	1.72	49302	74250	24948	1.50
Green gram	Management of problematic soils	FP: No application of lime / PMS. RP: Application of lime (0.2LR) at the time of final ploughing with FYM @ 5 t/ha followed by soil test based fertilizer application.	10	1	5.14	4.12	24.75			10512	20560	10048	1.95	10408	16480	6072	1.58
Groundnut	Integrated nutrient management	FP: No use of micronutrients. RP: Soil test based zinc and boron micronutrient application	10	1	17.72	14.64	21.03			36937	70880	33943	1.91	35807	58560	22753	1.63

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		Dem o	Chec k	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mushroom	Mushroom cultivation	FP: Cultivation of paddy straw mushroom under normal shade in winter. RP: Cultivation of paddy straw mushroom under the poly house of (20X10 X9) feet size, 200 micron UV stabilized polythene with exhaust fan ventilation in winter by maintaining temperature			0.4 kg/bed	1.2 kg/bed	200			80	180	100	2.25	50	60	10	1.2
Nutritional garden	Nutritional gardening	FP: Home garden with seasonal vegetables. RP: Nutritional garden with protein, vitamin & iron rich vegetables, low cost poly tunnel for seedling raising, vermicompost unit, trellis for creeper, zero energy cool chamber.			31.2	24.2	29			15800	49320	33520	3.6	16250	43740	27490	3.01

* 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																	
Sericulture																	
Apiculture				8	-				1500	3200	1700	2.13					
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

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

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	Greengram	Local Mung	5.07	4250	4760	1200	Improved management practices of Greengram Variety IPM 02-3(F)@ 20 kg/ha, Soil test based fertilizer application , seed Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant	125	50	6.4	4.9	5.6	31.76	17.64	53.33

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
							protection measures.								
2	Blackgram	Local Blackgram	5.06	4720	4550	1200	Improved management practices of Blackgram Variety PU-31(C) @ 20 kg/ha, Soil test based fertilizer application , seed Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant protection measures.	125	50	6.3	4.8	5.5	31.76	17.64	53.33

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	Improved management practices of Greengram Variety IPM 02-3(F)@ 20 kg/ha, Soil test based fertilizer application , seed	13200	19600	6400	1.48	12400	22400	10000	1.80

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
	Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant protection measures.								
2	Improved management practices of Blackgram Variety PU-31(C)IPM 02-3(F)@ 20 kg/ha, Soil test based fertilizer application , seed Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant protection measures.	13092	19200	6108	1.46	12600	22000	9400	1.74

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/house hold)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Improved management practices of Greengram Variety IPM 02-3(F)@ 20 kg/ha, Soil test based fertilizer application , seed Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant protection measures.	70000	264	4000	3000	34000	For day today need	4
2	Improved management practices of blackgram Variety PU-31(C)@ 20 kg/ha, Soil test based fertilizer application , seed Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant protection measures.	60000	256	4000	3000	34000	For day today need	4

D. Pulse Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Improved management practices of Greengram Variety IPM 02-3(F)@ 20 kg/ha, Soil test based fertilizer application , seed Inoculation with 20gm Rhizobium /kg of seed , Line sowing and need based plant protection measures.	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition and awareness about line sowing.
2	Improved management practices of blackgram Variety PU-31(C) @ 20 kg/ha, Soil test based fertilizer application, seed Inoculation with 20gm Rhizobium /kg of seed, Line sowing and need based plant protection measures.	Yes	Yes	Yes	Less market demand by trader	Yes	Establishment of processing unit for value addition and awareness about line sowing.

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Variety IPM 02-3©,70-72 days duration. INM & IPM	Improved management practices of Greengram with variety IPM 02-3©enhance the avg.yield 5.6 Q/ha during Rabi 2018-19.	Resistant toYMV,large seed, Improved management practices of Greengram with variety IPM 02-3 © enhance the yield 14.28 % over farmer practices.	Farmers are satisfied with the variety and technology.
Variety PU-31(C)70-72 days duration. INM & IPM	Improved management practices of Greengram with variety PU-31(C) enhance the avg.yield 5.5 Q/ha during Rabi 2018-19.	Resistant to YMV, large seed, Improved management practices of Greengram with variety PU-31(C) enhance the yield 14.58 % over	Farmers are satisfied with the variety and technology.

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

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
	Field Day at Hatabanapur	30.03.2019	75
	Field Day at Gajapitha	31.03.2019	75
	Field Day at Bhandilo	30.03.2019	75
	Field Day at Bibhutipada	31.03.2019	75

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.)
Greengram	i) Critical input	403121.5	403121.5	Nil
	ii) TA/DA/POL etc. for monitoring	15000	15000	Nil
	iii) Extension Activities (Field day)	13987	13987	Nil
	iv) Publication of literature	11690	11691.5	Nil
	v) Miscellaneous	5000	5000	Nil
	Total	448800	448800	Nil

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram	i) Critical input	403850.5	403850.5	Nil
	ii) TA/DA/POL etc. for monitoring	15000	15000	Nil
	iii) Extension Activities (Field day)	13987	13987	Nil
	iv) Publication of literature	12164	12162.5	Nil
	v) Miscellaneous	5000	5000	Nil
	Total	450000	450000	Nil

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			
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													

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				
Fish processing and value addition														
Others, if any														
IX. Production of Inputs at site														
Seed Production														
Planting material production														
Bio-agents production														
Bio-pesticides production														
Bio-fertilizer production														
Vermi-compost production														
Organic manures production														
Production of fry and fingerlings														
Production of Bee-colonies and wax sheets														
Small tools and implements														
Production of livestock feed and fodder														
Production of Fish feed														
Others, if any														
X. Capacity Building and Group Dynamics														
Leadership development														
Group dynamics														
Formation and Management of SHGs														
Mobilization of social capital														
Entrepreneurial development of farmers/youths	01	19	02	21	02	02	04	-	-	-	21	04	25	
WTO and IPR issues														
Others, if any														
XI Agro-forestry														
Production technologies														
Nursery management														
Integrated Farming Systems														
XII. Others (Pl. Specify)														
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			
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

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	01	16	06	22	02	01	03	-	-	-	18	07	25

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				
TOTAL														
III. Soil Health and Fertility Management														
Soil fertility management	1	20	2	22	1	1	2				21	4	25	
Soil and Water Conservation	1	20	3	23	1	1	2				21	4	25	
Integrated Nutrient Management	2	41	5	46	1	1	2				43	7	50	
Production and use of organic inputs	2	43	5	48	1	1	2				44	6	50	
Management of Problematic soils	2	40	7	47	1	1	2				42	8	50	
Micro nutrient deficiency in crops	2	42	7	49	0	0	0	0	1	1	42	8	50	
Nutrient Use Efficiency	1	23	2	25							23	2	25	
Soil and Water Testing	1	24	1	25							24	1	25	
Others, if any														
TOTAL														
IV. Livestock Production and Management														
Dairy Management	01	13	09	22	01	01	02	01	-	01	15	10	25	
Poultry Management	02	36	09	43	02	03	05	-	-	-	38	12	50	
Piggery Management														
Rabbit Management														
Disease Management	01	14	08	22	02	01	03	-	-	-	16	09	25	
Feed management	01	12	08	20	03	02	05	-	-	-	15	10	25	
Production of quality animal products														
Others, if any (Goat farming)														
TOTAL														
V. Home Science/Women empowerment														
Household food security by kitchen gardening and nutrition gardening	01	-	25	25	-	-	-	-	-	-	-	25	25	
Design and development of low/minimum cost diet	01	-	19	19	-	06	06	-	-	-	-	25	25	
Designing and development for high nutrient efficiency diet														
Minimization of nutrient loss in processing														
Gender mainstreaming through SHGs														
Storage loss minimization techniques	02	-	17	17	-	08	08	-	-	-	-	25	25	
Enterprise development	01	-	17	17	-	08	08	-	-	-	-	25	25	
Value addition	3	0	50	50	0	25	25				0	75	75	

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			
Income generation activities for empowerment of rural Women	4	15	62	77	1	15	16				0	79	95
Location specific drudgery reduction technologies	1	0	19	19		6	6				0	25	25
Rural Crafts	1	0	25	25	0	0	0				0	25	25
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	3	44	11	55	8	6	14				53	17	70
Integrated Disease Management	3	57	5	62	8	5	13				65	10	75
Bio-control of pests and diseases	2	38	5	43	2	4	6				41	9	50
Production of bio control agents and bio pesticides	2	39	1	40	9	1	10				48	2	50
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease	1	20	2	22	1	2	3				21	4	25
Fish feed preparation & its application to fish	1	17	5	22	2	1	3				19	6	25

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				
pond, like nursery, rearing & stocking pond														
Hatchery management and culture of freshwater prawn														
Breeding and culture of ornamental fishes														
Portable plastic carp hatchery														
Pen culture of fish and prawn														
Shrimp farming														
Edible oyster farming														
Pearl culture														
Fish processing and value addition														
Others, if any														
TOTAL														
IX. Production of Inputs at site														
Seed Production														
Planting material production														
Bio-agents production														
Bio-pesticides production														
Bio-fertilizer production														
Vermi-compost production														
Organic manures production														
Production of fry and fingerlings														
Production of Bee-colonies and wax sheets														
Small tools and implements														
Production of livestock feed and fodder														
Production of Fish feed														
Others, if any														
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	1	19	2	21	2	2	4				21	4	25	

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				
Horticulture crops														
Training and pruning of orchards														
Value addition														
Production of quality animal products														
Dairying														
Sheep and goat rearing														
Quail farming														
Piggery														
Rabbit farming														
Poultry production														
Ornamental fisheries														
Para vets														
Para extension workers		01	-	14	14	-	01	01	-	-	-	-	-	15
Composite fish culture														
Freshwater prawn culture														
Shrimp farming														
Pearl culture														
Cold water fisheries														
Fish harvest and processing technology														
Fry and fingerling rearing														
Small scale processing														
Post Harvest Technology														
Tailoring and Stitching														
Rural Crafts														
Enterprise development														
Others if any (ICT application in agriculture)														
TOTAL		06	61	16	77	09	03	12	01	-	01	71	19	

iii. Extension Personnel (On and Off Campus)

Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	06	45	28		07	05	12	-	-	-	52	33	85

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	F & FW		Integrated nutrient management in pulses	01	off	13	12	25	-	-	-
Crop production		RY	IFS models for increasing farm income	02	on	15	-	15	3	-	3
Crop production		IS	Crop residue management	01	on	08	07	15	3	2	5
Horticulture	F & FW		Cultivation of high value crops	01	off	20	05	25	2	1	3
Horticulture	F & FW		Improved package of practice of Okra for higher yield.	01	off	20	05	25	2	2	4
Horticulture	F & FW		Cultivation of biotic and abiotic resistant vegetable crop cultivars & its selection.	01	off	19	06	25	1	1	2
Horticulture	F & FW		Raising vegetable seedling under low cost walk in poly tunnel structure.	01	off	17	08	25	0	1	1
Horticulture	F & FW		Cultivation of high value crops	01	off	21	04	25	1	1	2
Horticulture	F & FW		Importance and benefits of plantation	01	off	23	02	25	0	1	1

		of Cashew in river beds for climate resilient horticulture.								
Horticulture	RY	Commercial farming of ornamentals (Marigold, gladiolus, tuberose, Lillium & Gerbera)	02	on	11	04	15	2	3	5
Horticulture	RY	Grading, packaging & Marketing of Fruits, vegetables.	02	on	11	4	15	2	3	5
Horticulture	Vocational	Hi-tech horticultural nursery management practices.	03	on	24	01	25	1	1	2
Soil Health and Fertility Management	F & FW	Nitrogen management through LCC in rice	01	off	21	04	25	1	1	2
Soil Health and Fertility Management	F & FW	INM in jute	01	off	15	10	25	1	1	2
Soil Health and Fertility Management	F & FW	Micronutrient zinc and boron in groundnut	01	off	22	03	25	02	03	05
Soil Health and Fertility Management	F & FW	Amendment of acid soil in green gram	01	off	16	09	25	01	01	02
Soil Health and Fertility Management	F & FW	Organic waste recycling for production of vermicompost	01	off	24	01	25	02	01	03
Soil Health and Fertility Management	F & FW	Biofertiliser application in vegetable crops	01	off	15	10	25	3	2	5

Soil Health and Fertility Management	F & FW	Role of biofertiliser for sustainable agriculture	01	off	23	02	25	1	1	2
Soil Health and Fertility Management	F & FW	INM practice in tomato	01	off	17	08	25	2	1	3
Soil Health and Fertility Management	F & FW	INM practice on blackgram	01	off	21	4	25	1	2	3
Soil Health and Fertility Management	RY	Methods of soil sample collection and testing through soil testing kit.	01	on	10	05	15	1	2	3
Soil Health and Fertility Management	RY	Methods of soil sample collection and testing through soil testing kit	01	on	12	03	15	2	1	3
Soil Health and Fertility Management	Vocational	Production technology of biofertilizer	01	on	7	3	10	1	0	1
Home Science	FW	Mushroom cultivation to increase family income.	01	off	0	25	25	0	03	03
Home Science	FW	Preparation of fish feed from locally available ingredients.	01	off	0	25	25	0	02	02
Home Science	FW	Use of organic fertilizer in nutritional garden	01	off	0	25	25	0	2	2
Home Science	FW	Use of agricultural implements for reducing drudgery	01	off	0	25	25	0	3	3
Home Science	FW	Preparation of mushroom pickle	01	off	0	25	25	0	2	2
Home Science	FW	Production of	01	off	0	25	25	0	1	1

		vermicompost from different substrates								
Home Science	FW	Bee keeping for income generation	01	off	0	25	25	0	1	1
Home Science	FW	Vermicompost – an income generation activity for women SHG.	01	off	0	25	25	0	1	1
Home Science	FW	Scientific storage of food grain.	01	off	0	25	25	0	2	2
Home Science	RY	Mushroom and spawn production technique	01	on	0	15	15	0	1	1
Home Science	Vocational	Bee keeping	01	on	0	10	10	0	1	1
Home Science	IS	Menu planning for pregnant and lactating women	01	on	0	10	10	0	2	2
Plant Protection	F & FW	Importance and method of seed treatment	01	off	21	4	25	1	1	2
Plant Protection	F & FW	IDM measures for management of wilting in brinjal	01	off	22	3	25	1	0	1
Plant Protection	F & FW	Sheath blight management in rice	01	off	21	4	25	1	0	1
Plant Protection	F & FW	IPM measures for management of BPH/WBPH in rice	01	off	22	3	25	1	0	1
Plant Protection	F & FW	Sucking pest management in chilli	01	off	16	9	25	1	1	2
Plant Protection	F & FW	Management of fungal disease in ground nut	01	off	15	10	25	2	1	3
Plant Protection	F & FW	IPM measures for management of sucking pest in chilli	01	off	17	8	25	1	1	2
Plant Protection	F & FW	IPM measures for management powdery mildew in pulses	01	off	21	4	25	1	1	2
Plant Protection	RY	Use of traps for pest	01	off	17	8	25	3	2	5

		control								
Plant Protection	IS	IPM measures for management of major pest in rice	01	off	19	6	25	2	1	3
Livestock Production and Management	F & FW	Control of mastitis in animals	01	off	21	4	25	2	2	4
Livestock Production and Management	F & FW	First aid treatments for animals	01	off	19	6	25	1	2	3
Livestock Production and Management	F & FW	Fodder preservation techniques	01	off	24	1	25	1	0	1
Livestock Production and Management	F & FW	Oestrous synchronization and artificial insemination in goats	01	off	16	9	25	2	1	3
Livestock Production and Management	F & FW	Livestock Farm Waste Utilization	1	off	15	10	25	3	2	5

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Rice	Pooja	130 (After processing)					
Grand Total		130 (After processing)					

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Megha	1345	1345				
Cabbage	NS-35	470	470				
Tomato	Surkshya	730	730				
Brinjal	Akshita	410	410				
Chilli	Sansani	720	720				
Papaya	Pusa Nanha	43	860				
Capsicum	NS-292	540	540				
Amaranthus		92 bundles	920				
Total							

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted			
	Kg		SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Total						

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
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							
Spawn							
Others (Pl. specify)							
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 :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production Reports

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

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
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.					
2.					
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	
Address	
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	

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)

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.
	PH meter, EC meter, Spectrophotometer, Flame photometer, Distillation unit and others	1 each
	Mridaparikshyak	1
	Mini Soil testing lab kit	1

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			
95	114	209	548	12	

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	World Soil Day	200	3	Collector and District Magistrate, MLA, Zilla parishad president	150	150

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
05.12.2018	Sj. Kishore Chandra Tarai, MLA, Kendrapara	Celebration of World Soil Day
	Sj. Manas Parida, Zilla Parishad Samiti Sabhya	
	Sj. Anam Bandhu Dhal, Chairman	
	Sj. Dasarathi Sathpathy, Collector cum District Magistrate, Kendrapara	
01.08.2018	Prof. Surendranath Pasupalak, Hon'ble VC, OUAT	

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)

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

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
DEPARTMENT OF HORTICULTURE, KENDRAPARA	Quality Planting material and convergence.
CTCRI, BBSR	Quality planting Materials and technical support
CHES, BBSR	Quality Planting Material and convergence
AICRP ON MAP & BV, OUAT, BBSR	Quality planting Materials and technical support
AICRP ON BIOTECHNOLOGY & TISSUE CULTURE, OUAT, BBSR	Quality planting Materials and technical support
NHRDF, NASIK	Quality planting Materials (Seeds)
IIHR, BENGALURU	Quality planting Materials and technical support

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.									
	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	

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.					

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
SS&H, KVK, Kendrapara	SBI, Kendrapara	00112, Medical Road Madhahala, Kendrapara	11387961417
SS&H, KVK, Kendrapara			30878179008
SS&H, KVK, Kendrapara			32421924619

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 1 st April 2013
	Kharif	Rabi	Kharif	Rabi	
CFLD Pulse		958800		923800	34994

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	9550000		
2	Traveling allowances	70000	70000	70000
3	Contingencies			
A				
B		1100000	1098800	1098800
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Tractor	700000	700000	700000
c	Repair and maintenance of office building	1137000	1137000	1137000
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 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2015-16	260269	664419	427088	252400
2016-17	252400	955138	888393	319145
2017-18	319145	526585	630969	214761
2018-19	214761	182343	173978	223126 *136000(OSSC)

7.6. (i) Number of SHGs formed by KVKs

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

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

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	22	40236
Livestock	8	
Fishery	4	
Weather	5	
Marketing	-	

Awareness	5	
Training information		
Other	4	
Total	48	

9.4. KVK Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

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

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Swachhta Hi Sewa	8	250	10	Govt. officials

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of Mahili Kissan Diwas	5	50	-	-

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	Nursingha Samal	Chhatar, Mahakalpara 9938848243	Organic farming
2	Rajanikanta Dash	Ender, Derabish 9040227439	IFS
3	Babaji Kap	Napanga, Pattmundai 7381843091	IFS
4	Mrs Gitanjali Nayak	Napanga, Pattmundai	IFS

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:

b) Introduction / General Information:

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

11. Details of TSP

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

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

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

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

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

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

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

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

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18							
2018-19							

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

Thematic area of training	Title of the training	Duration (in hrs.)	No. of 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

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 benefited									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)
