ANNUAL REPORT 2019 (January-December 2019)

1. GENERAL INFORMATION ABOUT THE KVK

KrishiVigyan Kendra, Ganjam-II was established by ICAR in June 2012 under the control of OUAT at Ratanpur farm. At present it is operating in new location at Golanthara, block-Rangeilunda. It is surrounded by Kandhamal in the North-West, Nayagarh in the North, Khurda in the North-East, Gajapati district in the West and Bay of Bengal in the South-East. On its Southern periphery the district borders the state of Andhra Pradesh. Ganjam district is broadly divided into two divisions spreading over an area of 8206.0 Sq.km. The plains lies between the Eastern Ghats and the Bay of Bengal. Since the hills are close to the sea, the rivers flowing from hills are not very long and are subject to sudden floods. The plains are narrow because of the absence of big rivers. The coastal plains in the east contain more fertile and irrigated lands. The south eastern portion is fertile. Ganjam economy is predominantly agrarian. Around 80 percentage of the population depends on agriculture and allied activities. The long sea and Chilika coast line is a source of rich marine products and lime shells. Ganjam is a major salt producing district in the state.

KVK serves as the knowledge hub and resource centre of agricultural technologies for the farmers of the district. It operates as per mandates of ICAR for the upliftment of socio-economic condition of the farming community. Ganjam-II is the 2nd Krishi Vigyan Kendra of Ganjam district and lies between $19^0$4' to $20^0$17' Latitude and $84^0$7' to $85^0$12' Longitude.

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

Address	Telephone		E mail
	Office	FAX	
KrishiVigyan Kendra, Ganjam-II At: Golanthara; P.O: Golanthara; Berhampur; Dist: Ganjam; Odisha – 761008	09937789325		kvkganjam2.ouat@gmail.com kvkganjam2@yahoo.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture and Technology **Bhubaneswar -751003Orissa**			

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr (Mrs.) SusmitaMohanty		09937789325	susmitamohant46@gmail.com

1.4. Year of sanction of KVK: **June 2012**

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	Senior Scientist& Head	Dr (Mrs.) Susmita Mohanty	Sr. Scientist & Head	Home Sc	22320-39100,AGP 8000 Rs : 29320	21.05.2018	Permanent	Others
2	Subject Matter Specialist	Sri Sasank Lenka	Scientist (Extension.)	Agril. Extension	15600-39100,GP-6000 Rs 21390	01.7.2016	Permanent	Others
3	Subject Matter Specialist	Sri Debasis Sarangi	Scientist (Soil Sc.)	Soil Sc	15600-39100,GP-6000 Rs. 25780	01.09.2012	Permanent	Others
4	Subject Matter Specialist	Smt Sushree Choudhury	Scientist (Hort.)	Horticulture	15600-39100,GP-6000 Rs. 25780	13.6.2012	Permanent	Others
5	Subject Matter Specialist	Sri Sidhartha Sankar Das	Scientist (Fishery)	Fishery Sc.	15,600-39,100,GP-6000 Rs.23070	23.6.2012	Permanent	Others
6	Subject Matter Specialist	Mrs Kabita Mishra	Scientist (Agronomy)	Agronomy	15600-39100,GP-6000 Rs.18320	12.05.2015	Permanent	Others
7	Subject Matter Specialist	Mr Sandeep Mohanty	Scientist (Plant Protection)	Plant Protection	15600-39100,GP-6000 Rs. 20590	12.06.2018	Permanent	Others
8	Programme Assistant							
9	Computer Programmer	Sri Bhakti Ranjan Palai	Prog. Asst.(Comp.)	Computer Sc.	9300-34800,GP-4200 Rs. 15680	18.06.2012	Permanent	Others
10	Farm Manager							
11	Accountant / Superintendent							
12	Stenographer	Sri Saubhagya Ranjan Das	Steno–cum-Comp. Operator	-	5200-20200,GP-2400 Rs. 6,430	15.02.2014	Permanent	Others
13.	Driver	Sri Simanchal Sahu	Driver-cum-Mechanic	-	5200-20200,GP-1900 Rs. 8270	04.07.2012	Permanent	Others
14.	Driver	Sri Rabi Narayan Mohapatra	Driver-cum-Mechanic	-	5200-20200,GP-1900 Rs. 7,680	30.05.2018	Permanent	Others
15.	Supporting staff	Sri Bisia Pradhan	Peon-cum-Watchman	-	4440-7440,GP-1300 Rs.6530	07.10.2013	Permanent	Others
16.	Supporting staff	Sri Gajendra Pradhan	Peon-cum-Watchman	-	4440-7440,GP-1300 Rs.6530	14.07.2014	Permanent	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.73
2.	Under Demonstration Units	2
3.	Under Crops	11
4.	Orchard/Agro-forestry	2
5.	Others with details	-
	Total	15.73

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	-	-	-	√	-	267.28	-	ICAR
2.	Farmers Hostel	√	-	-	-	-	300	-	ICAR
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing	Started	-	-	-	-	-	-	RKVY
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
Tractor	2016	529345	385 hrs	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil Equipment	2017	85400	Running	ICAR
Lab equipment for Home Sc	2018	50000	Running	ICAR
b. Farm machinery				
c.AV Aids				
Laptop	2017	38400	Running	ICAR
Pico projector	2017	17467	Running	ICAR
Handy Cam	2018	31000	Running	ICAR
Camera	2018	23500	Running	ICAR
Projector	2017	38858	Running	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power Operated	2017	15238	Running	ICAR
Gaured tiller	2016	96900	Running	ICAR
HP pump	2017	65918	Running	ICAR
Accemor	2017		Running	ICAR
MB plough	2017		Running	ICAR

1.8. Details SAC meeting* conducted in the year

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

** 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 (2019)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy-pulse (Green gram, Black gram) Paddy- groundnut Paddy-Vegetables (Solanaceous , Cole crops and cucurbits) Floriculture –vegetable –apiculture Vegetable- vegetable (Kharif tomato, radish, Cauliflower-Vegetables) Paddy - mustard Paddy + vegetable + Fishery +Duckery Ground nut- pulses Pulses-Vegetable Paddy + fodder + Diary + goatery Mango + Spices (Ginger and turmeric) +Poultry Agriculture-horticulture –mushroom- poultry - Ragi + Pulse Maize-Vegetable Paddy-Mustard-Vegetable (Tomato) Paddy- Fallow
2	Agro-climatic Zone	East & South Eastern Coastal Plain Zone
3	Agro ecological situation	East and South East Coastal Plain zone **Agro-Ecological Situation** — **Name of the Blocks covered** 1. Coastal Irrigated Alluvium — Chikiti, Rangailunda, Chatrapur, Ganjam 2. RainfedAlluvium — Patrapur, Chikiti, Rangailunda 3. Coastal Alluvial Saline — Chikiti, Ranhgailunda, Chatrapur, Ganjam, Khallikote 4. Rainfed Laterite — Patrapur, Kukudakhandi, Sanakhemundi, Chatrapur, Hinjili, Khallikote, Polsara, Kodala, Kabisuryanagar 5. Rainfed Red and Laterite — Chikiti, Kukudakhandi, Hinjili, Khallikote, Sanakhemundi, Rangailunda, Digapahandi, Purusottampur, Kabisuryanagar 6. Mixed Black & alluvium — Ganjam, Chhtrapur

4	Soil type	East & South Eastern Coastal Plain Zone i) Alluvial soil-71000 ha ii) Red soil -232000ha iii) Saline soil -26000 ha
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy- 43 q/ha , Maize: 27 q /ha, Greengram- 8 q / ha , Blackgram-15 q/ha Brinjal- 129 000mt),Tomato: 56870 mt Cauliflower
6	Mean yearly temperature, rainfall, humidity of the district	***Temperature*** Maximum: 34^0 C, Minimum: 18.9^0 C ***Normal rainfall :*** 1295.6 mm
7	Production of major livestock products like milk, egg, meat etc.	

Area, Productivity & production of Major crops of Ganjam district

Sl.No.	**Name of the crop**	**Kharif**			**Rabi**		
		A (000ha)	**Y (kg/ha.)**	**P (000MTS)**	**A (000ha.)**	**Y (kg/ha)**	**P (000MTS)**
01	Paddy	251.32	2800	703.396			
02	Green gram	3.58	455	1.63	155.84	521	81.19
03	Ragi	45.0	895	40.28	0.94	1003	2.44
04	Black gram	16.38	466	7.63	32.80	468	15.35
05	Groundnut	11.40	1250	14.25	18.68	1928	36.02
06	Sesamum	11.63	414	4.81	14.57	420	6.12
07	Pigeonpea	13.6	934	12.7			
08	Maize	10.95	2282	27.66	0.93		
09	Horsegram				11.92	378	4.51
10	Sunflower				0.49	1115	0.55

Area, Productivity& production of Major Horticulture crops of Ganjam district

Sl.No.	Name of the crop	Area (In '000 ha)	Productivity (in Kg./ha)	Production (in '000 MT)
01	Brinjal	5.02	25750	129.16

02	Cabbage	1.51	27920	42.05
03	Cauliflower	2.41	14760	35.56
04	Okra	3.46	8760	30.33
05	Pea	0.34	9060	3.07
06	Chilli	5.42	1360	7.37
07	Tomato	4.42	12870	56.87
08	Onion	0.59	8650	5.11
09	Potato	0.36	15120	5.49
10	Sweet Potato	7.52	9780	73.55
11	Radish	0.54	11750	6.38

Note: Please give recent data only

2.b. Details of operational area / villages (2019)

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	Chhatrapuhr	Chhatrapur	Rajanapalli	Rice, Maize, Pigeonpea, Greengram, Blackgram, Sesamum, Ground nut,Vegetable	• Severe weed incidence in paddy • Blast disease in paddy • Low yield in arhar • Use of traditional verities of green gram • Improper nutrient management green gram	➢ Varietal substitution ➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow
2	Chhatrapuhr	Rangeilunda	Putipadar	Rice,Sugarcane, Blackgram, Greengra m, Mustard, Sesamum	• Severe weed incidence in paddy • Low yield in mustard • Use of traditional verities of green gram • Improper nutrient management green gram	➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution

3	Chhatrapuhr	Ganjam	Jharapadar	Rice, Maize, Pigeonpea, Greengram, Blackgram, Sesamum, Ground nut,Vegetable	• Severe weed incidence in paddy • Low yield in arhar • Use of traditional verities of green gram • Improper nutrient management green gram	➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution
4	Berhampur	Kukudakhandi	Padripali	Rice, Blackgram, Green gram, Groundnut	• Severe weed incidence in paddy • Use of traditional verities of green gram • Improper nutrient management in green gram	➢ weed management in rice ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution
5	Berhampur	Hinjilikatu	Giria	Rice, Greengram, Blackgram, Sesamum, Vegetable	• Use of traditional verities of green gram • YMV infection in green gram • Severe weed incidence in paddy	➢ weed management in rice ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution

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
Chhatrapur	Rajanapalli	OFT, FLD, Training, field day, diagnostic field visit
Rangeilunda	Putipadar	OFT ,FLD, Training, field day, diagnostic field visit
Ganjam	Jharapadar	OFT ,FLD, Training, field day, diagnostic field visit
Kukudakhandi	Padripali	OFT ,FLD, Training, field day, diagnostic field visit
Hinjilikatu	Giria	OFT ,FLD, Training, field day, diagnostic field visit

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification and intercropping
2.	Integrated Nutrient management.
3.	Varietal replacement of field and horticultural crops.
4.	Integrated crop management.
5.	Integrated pest management
6.	Integrated disease management.
7.	Integrated weed management.
8.	Production of quality seeds, seedlings and planting materials
9.	Off-season vegetable cultivation
10.	Market led production strategies
11.	Women empowerment through Income Generating Activities
12.	Promoting Nutritional and Kitchen gardening
13	Breed up gradation of farm animals and poultry
14	Production of organic inputs
15	Nursery raising and management
16	Cultivation of High value & commercial crops
17	Post-harvest technology and value addition
18	Dairy and livestock management
19	Drudgery reduction for farm women
20	Group formation and management of groups
21	Integrated fish farming
22	Fry and fingerling rearing
23	Dairy and livestock management.
24	Popularization of dual purpose bird Banaraja, poultry vaccination to prevent diseases.

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
10	10	70	11	4	5	-	50	10	66	14	80	20	20	120	12	5	8	2	88	12	**108**	**19**	127

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
70	55	1650	122	60	40	44	728	208	963	312	1275		500	475							2510	3005	2810

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

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
150	150	20000	25000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
		0.002	0.002

* 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	10	-					
Seminar/conference/ symposia papers	3	-					
Books	5	2500					
Bulletins	2						
News letter	2	1000					
Popular Articles	5	2500					
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	22	44					
Electronic Publication (CD/DVD etc)	3						
TOTAL							

1 Achievements on technologies assessed and refined

OFT-1 (Agronomy)

1.	Title of On farm Trial	Rabi 2019-20 (Assessment of integrated weed management in groundnut)
2.	Problem diagnosed	Low yield due to severe weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed Farmers Practice (FP): No use of weedicide and hand weeding at 20 DAS TO1: Oxyflluorofen 200ml/ha + Hand weeding at 20 DAS TO2:Imazethapyr 10% SL @ 750 ml/ha as post emergence spray + Intercultural operation at 45 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2010
5.	Production system and thematic area	Irrigated , Rice-Groundnut weed management
	Performance of the Technology with performance indicators	Application of Imazethapyr 10% SL @ 750 ml/ha as post emergence spray + Intercultural operation at 45 DAS gave higher weed control efficiency upto (46.6%.) , yield(23.6q /ha) and BCR 3.01 over other practices.
7.	Final recommendation for micro level situation	Application of Imazethapyr 10% SL @ 750 ml/ha as post emergence spray + Intercultural operation at 45 DAS can be recommended for broad spectrum of weed management.
8.	Constraints identified and feedback for research	Farmers have a wrong notion that herbicide may affect the crop.
9.	Process of farmers participation and their reaction	Training &Group discussion, field day,

Thematic area: Weed Management
Problem definition: **Low yield due to severe weed infestation**

Technology assessed: TO1: Oxyflluorofen 200ml/ha + Hand weeding at 20 DAS
TO2:Imazethapyr 10% SL @ 750 ml/ha as post emergence spray + Intercultural operation at 45 DAS

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
		No of pods/plant	Weed density	WCE(%)					
FP	7	16.1	189		18.4	41800.00	88320.00	46520.00	2.1
TO1	7	19.3	114	39.7	22.7	38654.00	108960.00	70306.00	2.81
TO2	7	21.6	101	46.6	23.9	37988.00	114720.00	76732.00	3.01

OFT-2 (Agronomy)

1.	Title of On farm Trial	Kharif 2019 (Assessment of performance of high yielding ragi varieties)
2.	Problem diagnosed	Low yield from existing ragi varieties
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed Farmers Practice (FP): Use of local variety BUDHA MANDIA Technology option-I (TO1:Bhairabi) Duration 105-110 days, yield potential 24-44 q/ha. Technology option-I I(TO2:Arjun) Duration of the variety is 110 days and the yield potential 18-38q/ha, Technology option-III (TO3:Kalua) Duration of the variety 110 days. yield potential 26-35q/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP SMIP, CPR,OUAT
5.	Production system and thematic area	Varietal replacement
6.	Performance of the Technology with performance indicators	Ragi variety Arjun recorded higher grain yield, high tillering capacity and also higher return and benefit cost ratio and farmers were satisfied with variety due to profused tillering.
7.	Final recommendation for micro level situation	Ragi variety Arjun identified as a better variety for Ganjam district

8.	Constraints identified and feedback for research	Availability of HYVs, threshing of ragi by manual method.
9.	Process of farmers participation and their reaction	Group discussion, field day, training

Thematic area: Varietal replacement

Problem definition: **Low yield from existing ragi varieties**

Technology assessed: Technology option-I (**TO1:Bhairabi)** Duration 105-110 days, yield potential 24-44 q/ha.
Technology option-I I(**TO2:Arjun)** Duration of the variety is 110 days and the yield potential 18-38q/ha,
Technology option-III (**TO3:Kalua)** Duration of the variety 110 days. yield potential 26-35q/ha

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
		No. of effective tillers/hill		Test wt. (100 grain wt.)					
FP (Budha Mandia)	5	6		2.73	17.2	18365	34460	16095	1.87
TO1:Bhairabi	5	7.3		2.89	19.8	19980	39600	19620	1.98
TO2:Arjun	5	8.3		3.16	22.7	19980	45500	25520	2.27
TO3:Kalua	5	8		2.96	20.4	19980	40780	20800	2.04

OFT-3 (Horticulture)

1.	Title of On farm Trial	**Assessment of chilli varieties**
2.	Problem diagnosed	Poor keeping quality causes distress sale & marketing
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: **(ArkaMeghna):** Plants medium tall (81.3 cm) & spreading 69.5 cm. fruit length (10.6 cm) with width of 1.2 cm. very early, taking 24 days for 50% flowering. fresh yield of 33.5 t/ ha and dry yield of 5 t/ ha in 140-150 days. TO2:(**ArkaHarita):**Plant height (1m) spreading (90cm.). fruits. medium long (10 cm) with width 1 cm. fresh yield 31 t/ hectare and dry yield 6 t/ ha in 150-

		160 days. fruits are dark green and turn red on ripe
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR Bangalore .2014
5.	Production system and thematic area	Rice-vegetable production system, INM,.Varietal performance
6.	Performance of the Technology with performance indicators	Good performance Indicators: yield 318q/ha.
7.	Final recommendation for micro level situation	By cultivation of **ArkaMeghna,ArkaHarita F1 hybrid** the yield increase by 40 to 50% then the farmers cultivated variety (Daya)
8.	Constraints identified and feedback for research	• F1 hybrid with tolerant to powdery mildew and viruses. • Can be used as both for fresh and dry purpose
9.	Process of farmers participation and their reaction	farmers satisfied in the yield performance of ArkaMeghna,ArkaHarita F1 hybrid variety

Thematic area: **Varietal performance**

Problem definition: Poor keeping quality causes distress sale & marketing

Technology assessed: **Assessment of chilli varieties**

Table:

Technology option	No. of trials	Yield component **Fruit size**	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	7-8 cm long and 1cm width	204	144500	346800	202300.0	2.40
TO_1	7	8-10 cm long and 0.8-1 cm width	289	150166.6	540600	390433.4	3.29
TO2	7	10-12 cm long and 1-2 cm width	318	149268.6	491300	342031.4	3.60

OFT-4 (Horticulture)

1.	Title of On farm Trial	**Assessment of tuberose cultivars**
2.	Problem diagnosed	Low productivity and low profitability
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Arka Prajawal: The flowers buds are slightly pinkish in colour, while the flowers are white and single , Long stiff spike (120cm, 50 florets per spike) Yield potential - 20 tonnes/ha TO2: Arka Nirantar: White single flowers ,spike length is of 95-10 cm, yield potential-15 tonnes/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, BANGALORE .2014
5.	Production system and thematic area	Floriculture –Floriculture production system, Varietal performance
6.	Performance of the Technology with performance indicators	Good performance Indicators: yield 8.92 t/ha
7.	Final recommendation for micro level situation	The variety Arka Prajawal produce 5.4 no. of spikes / clump,46.80 no. of floret/spike and gives 79.11% more yield then local cultivated variety
8.	Constraints identified and feedback for research	Arka Prajawal tolerant to nematode
9.	Process of farmers participation and their reaction	farmers satisfied in the yield performance of Arka Prajawal, Arka Nirantar

Thematic area:
Problem definition:
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
		No. of spike per clump	No. of floret Per spike					
FP	7	3.40	36.60	4.98			269884	3.10
TO_1	7	5.40	46.80	8.92			543696	4.20
TO2	7	4.60	42.00	7.71			461826	3.98

OFT-5 (Soil Sc)

Assessment of integrated nutrient management on yield enhancement of greengram	
Season & Year	Rabi, 2019-20 (Year-I) Green gram Area: (155840 ha)
Problem	Low productivity due to improper nutrient management spread &intensity: 16000ha (10%)
Thematic Area	INM
Name of Technology	Assessment of secondary/Micronutrient for curd quality and higher yield in cauliflower
Source of Technology (Year)	AICRP on Micro and Secondary nutrients, OUAT,2016
Farmers Practice (FP)	Application of chemical fertilizer (15:40:0 Kg N: P_2O_5 :K_2O /ha) only
Assessed Rec. Practice	TO1: 100% STBF + FYM @5t/ha TO2 100% STBF + FYM@5t/ha+ Rhizobium seed treatment@20g/kg seed+ Soil application of PSB @ 4 kg/ha TO3: 100% STBF + FYM@5t/ha + Lime @5q/ha + Rhizobium seed treatment@20g/kg seed+ Soil application of PSB @ 4 kg/ha
No. of Trials	07 and, Rajanapalli, Jharapalli
Soil Parameter(initial)	pH-5.5, EC-0.17ds/m, O.C.-0.41%, N-138.6 P-11.07, K- 123.8, S-14.9 kg/ha, Zn-0.67 ppm, B-0.32 ppm

Thematic area: **INM**

Problem definition: Farmers getting low yield due to sulphur deficiency in soil.
Technology assessed: **Assessment of integrated nutrient management on yield enhancement of greengram**

Table:

RESULTS	Yield (q/ha)	% increase in Yield	No. of pods/plant	% increase	Gross cost	Gross return	Net return	B:C Ratio
FP	5.1	-	10.7	-	21275	35955	14680	1.69
TO_1	6.0	17.6	13.9	29.91	23890	42300	18140	1.77
TO2	6.3	23.5	14.6	36.445	24350	44415	20065	1.82
TO3	7.2	41.18	17.0	58.88	26850	50760	23960	1.89

OFT-6 (Soil Sc)

Assessment of secondary (sulphur)/Micro(Boron) nutrient for curd quality and higher yield in cauliflower	
Season & Year	Rabi ,2019, (Year-I)) Cauliflower (2409 ha)
Problem	Low curd quality yield due to secondary and micro nutrient deficiency
Thematic Area	INM
Name of Technology	Assessment of secondary/Micronutrient for curd quality and higher yield in cauliflower
Source of Technology (Year)	AICRP on Micro and Secondary nutrients, OUAT,2016
Farmers Practice (FP)	Low curd quality yield due to secondary and micro nutrient deficiency
Assessed Rec. Practice	TO1: STBF (NPK) + Sulphur @ 30 kg ha^{-1} + 1 kg Boron as Borax as basal application TO2 STBF (NPK) +Sulphur @ 30 kg ha^{-1} + two foliar spray Borax @ 0.25% at 10 days interval starting from 30 days after planting
Variety	snowball
No. of Trials (Replication)	07 and, Burupada,Rajanapalli

Soil Parameter(initial)	pH-6.03, EC-0.28ds/m, O.C.-0.54%, N-168.1, P-16.4, K- 161.9, S-16.07 kg/ha, Zn-0.52 ppm, B-0.49 ppm

RESULTS	Curd Yield (q/ha)	% increase in Yield	Curd weight (g)	% increase	Gross cost	Gross return	Net return	B:C Ratio
FP	191.3	-	519.7	-	118375	286950	168575	2.42
TO_1	241.4	26.2	662.1	27.4	124285	362100	237815	2.91
TO2	235.7	23.2	648.5	24.8	123785	353550	229785	2.87

OFT-7(Plant Protection)

1.	Title of On farm Trial	**Assessment of IPM against *Spodoptera litura* in Groundnut**
2.	Problem diagnosed	Low yield of groundnut due to complete defoliation by *Spodoptera litura*
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1- Installation bird perches@ 20-25nos./ha+ pheromone trap @ 20 nos./ha+ Alternate spraying of NSKE 5% & Indoxacarb 14.5 SL@ 500 ml/ha TO-2- Installation bird perches@ 20-25nos./ha+ pheromone trap @ 20 nos./ha+ Alternate spraying of NSKE 5% & Emmamectin benzoate 5SG @ 200g/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, 2009
5.	Production system and thematic area	**Rice-pulse production system, IPM**
6.	Performance of the Technology with performance indicators	Good performance Indicators: yield 23.5 q/ha.
7.	Final recommendation for micro level situation	By Installation bird perches@ 20-25nos./ha+ pheromone trap @ 20 nos./ha+ Alternate spraying of NSKE 5% & Emmamectin benzoate 5SG @ 200g/ha the

		percentage of infestation is only 24.3% and yield increases by 30.55%
8.	Constraints identified and feedback for research	Complete defoliation by *Spodoptera litura* leads to low yield in groundnut and percentage of infestation is 41.2%
9.	Process of farmers participation and their reaction	Farmers accepted the technology

Thematic area: **IPM**
Problem definition: Low yield of groundnut due to complete defoliation by *Spodoptera litura*
Technology assessed: **Assessment of IPM against *Spodoptera litura* in Groundnut**
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
		Percentage of infestation					
FP	7	41.2%	18.0	36643.15	88310	51666.85	2.41
TO_1	7	27%	22.0	37777.40	106960	69182.6	2.81
TO2	7	24.3%	23.5	38097.90	113710	75621.10	2.98

OFT-8 (Plant Protection)

1.	Title of On farm Trial	**Assessment of Performance of rice varieties for Tolerance against BPH in Kharif, Rice**
2.	Problem diagnosed	Chaffy grain leads to Low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Growing of Pooja (150 day) TO2: Growing of Hasanta (145 days)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT,
5.	Production system and thematic area	Rice-vegetable production system, Varietal performance

6.	Performance of the Technology with performance indicators	Good performance Indicators: yield 45.6 q/ha
7.	Final recommendation for micro level situation	The variety Hasanta gives yield of 45.6 q/ha , 2 No of BPH/hill and gives more yield then Rice variety Pooja.
8.	Constraints identified and feedback for research	Rice variety pooja is attacked more by BPH but the variety Hasanta is more tolerant to BPH.
9.	Process of farmers participation and their reaction	farmers satisfied in the yield performance and BPH tolerance of the variety Hasanta

Thematic area: Varietal performance
Problem definition: Chaffy grain leads to Low yield
Technology assessed: **Assessment of Performance of rice varieties for Tolerance against BPH in Kharif, Rice**
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
		No. of BPH per hill					
FP	7	7	41.7	44362	61299	16937	1.38
TO_1	7	5	43.8	46312	64386	18074	1.39
TO2	7	2	45.6	46965	67032	20067	1.42

OFT-9

1.	Title of On farm Trial	**Assessment of Amur carp in mixed carp culture for enhanced fish production**
2.	Problem diagnosed	Slow growth rate & stocking rate of mrigal (ab 30% or even more) greatly hampers the average yield and hence low return from unit area of culture.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**TO_1** Stocking ratio catla: rohu : mrigal :Amur carp :: 30:40:20:10 **TO_2** Stocking ratio catla: rohu : mrigal :Amur carp :: 30:40:15:15 **TO_3** Stocking ratio catla: rohu : mrigal :Amur carp :: 30:40:10:20
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**NFDB News Letter** Matsya Bharat: 2016 vol.6,P-51

6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio. Increase in yield by 47.84% (34.33 q/ha) than farmers practice (23.22 q/ha)
7.	Final recommendation for micro level situation	Fast growing, Body is slender and belly is smaller, bottom feeder and can suitably substitute mrigal. Late maturing (First spawning at the end of first year) Accepts artificial feed and Not found susceptible for diseases
8.	Constraints identified and feedback for research	Year round availability of seed
9.	Process of farmers participation and their reaction	Amur carp shows high growth rate and important role in Increasing yield

Thematic area:

Problem definition: Slow growth rate & stocking rate of mrigal (ab 30% or even more) greatly hampers the average yield and hence low return from unit area of culture

Technology assessed: **Assessment of Amur carp in mixed carp culture for enhanced fish production**

Table:

Results	**No of Trials**	**Yield Parameter**					**Survival %**	**Water parameters**			**% change in yield**	**Gross Return (Rs/ha)**	**Net Return Rs/ha**	**BC Ratio**
		Yield (q/ha)	**Avg Wt (gm)**					**pH**	**Plankton**	**DO**				
			C	**R**	**M**	**Amur**								
FP	07	23.22	0.86	0.72	0.58	0.00	60	7.20	1.70 ml	**5.5**		185700	88000	1.92
TO_1	07	33.43	0.90	0.70	0.52	0.99	78	7.45	2.20 ml	5.6	43.98	267500	165000	2.61
TO_2	07	34.33	0.95	0.72	0.55	0.98	74	7.6	2.30 ml	5.5	47.84	308000	201000	2.88
TO_3	07	32.21	0.89	0.69	0.50	0.91	75	7.8	2.20 ml	5.7	38.73	290000	184000	2.73

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	
Agronomy															
1	Greengram	INM	Demonstration on seed inoculation of Green Gram with Molybdenum	1ha	1ha							5			
2	Sesame	INM	Demonstration of integrated nutrient management in Sesame	1ha	1ha							5			
3	Rice	Weed management	Demonstration of weed management in rice	2ha	2ha							10			
4	Rice	Varietal replacement	Demonstration of High yielding rice variety Pratibha	2ha	2ha							10			
Horticulture															
1	Tomato	Varital Performance	Demonstration on tomato variety- Arka Rakshak	1	1							5			
2	pointed gourd	INM	Demonstration on integrated nutrient management in pointed gourd	1	1							5			
3	Cowpea	Varital Performance	Demonstration on cowpea variety- Kashi Kanchan	1	1							5			
4	Brinjal	INM	Demonstration of Arka Microbial Consortium in brinjal	1	1							5			

Soil Sc.									
1	Greengram	INM	Demonstration on INM in greengram	1	1			5	
2	Groundnut	INM	Demonstration on INM in groundnut	1	1			5	
3	Tuberose	INM	Demonstration on integrated nutrient management in tuberose	0.4	0.4			5	
Plant Protection									
1	Greengram	IPM	Demonstration on Management of YMV in Greengram	1	1			5	
2	Chilli	IPM	Demonstration on sucking pest management in Chilli	1	1			5	
3	Rice	IPM	Demonstration on management of Blast disease in Rice	1	1			5	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Greengram	Rabi-2018	Irrigated	Loamy sand	138.5	12.3	167.3	Rice	12.12.18	8.4.19		
Sesame	Rabi-2018	Irrigated	Sandy loam	152.9	15.2	149.3	Rice	7.2.18	2. 5.19		

Rice	Kharif-2019	Rainfed	Clay Loam	138.5	12.3	167.3	Greengr am	20.7.19	12.12.1 9		
Rice	Kharif-2019	Rainfed	Clay Loam	139.5	13.3	169.3	Ground nut	25.07.19	14.12.1 9		
Ground nut	Rabi-2018	Irrigated	Sandy loam	152.9	15.2	149.3	Greengra m	15.01.19	08.05.1 9		
Sunflower	Rabi-2018	Irrigated	Sandy loam	152.9	15.2	149.3	Rice	10.12.18	05.03.1 9		
Tomato	Rabi-2018	Irrigated	Sandy Clay Loam	199.7	19.8	128.5	Rice	8.11.18	12.1.19		
pointed gourd	Rabi-2018	Irrigated	Loamy Sand	152.9	15.2	149.3	Pointed gourd	3.12.18	21.2.19		
Cowpea	Kharif-2019	Rainfed	Sandy Clay Loam	138.5	12.3	167.3	Brinjal	10.7.19	20.8.19		
Brinjal	Kharif-2019	Rainfed	Loamy Sand	146.5	12.8	162.6	Cowpea	18.8.19	22.10.19		
Greengram	Rabi	Irrigated	Loamy sand	167.4	14.7	166.3	Rice	4.1.19	8.4.19		
Groundnut	Rabi	Irrigated	Sandy loam	152.9	15.2	149.3	Rice	10.1.19	1.5.19		
Tuberose	Kharif-2019	Rainfed	Loamy sand	157.7,	14.8	159.1	Tuberose	12.6.19	23.10.19		
Greengra m	Rabi-2018	irrigated	Sandy Clay Loam	199.7	19.8	128.5	Rice	8.12.18	12.2.19		
Chilli	Rabi-2018	irrigated	Loamy Sand	152.9	15.2	149.3	**pointed gourd**	9.12.18	26.2.19		
Rice	Kharif-2019	rainfed	Sandy Clay Loam	138.5	12.3	167.3	Brinjal	18.7.19	28.11.1 9		

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
Sesame	INM	Demonstration of integrated nutrient management in Sesame	**5**	1ha	6.7	4.94	35	15542.00	33500.00	17950.00	2.15	13560.00	24700.00	11140.00	1.82
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
Greengram	INM	**Demonstration on seed inoculation of Green Gram with Molybdenum**	5	1ha	7.2	5.1	41.2	21520.00	43200.00	21680.00	2.0	18400.00	30600.00	12200.00	1.66
	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	No. of	Area	Yield (q/ha)	% chang	Other parameters	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)

		demonstrated	Farmer	(ha)	Demonstration	Check	e in yield	Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	Weed management	Demonstration of weed management in rice	10	2ha	45.28	40.56	11.63			40641.30	66561.60	25920.30	1.63	42752.9	59623.20	16870.30	1.39
Rice	Varietal substitution	Demonstration of High yielding rice variety Pratibha	10	2ha	43.72	38.45	13.7			44658.00	64268.40	19610.4	1.43	42724.00	56521.50	13797.50	1.32
Tomato	Varital Performance	Demonstration on tomato variety- ArkaRaksha k	5	1	558	352	58.52	69 (No of fruit/plant)	41	139500.00	502200	362700.00	3.6	10924137	316800	207558.63	2.9
pointed gourd	INM	Demonstration on integrated nutrient management in pointed gourd	5	1	232	179	28.88 %	53 (No of fruit/plant)	38	120921.21	399040	278118.79	3.3	268500	103269.23	165230.77	2.6
Cowpea	Varital Performance	Demonstration on cowpea variety- Kashi Kanchan	5	1	148.69	108.01	37.66 %	60 days (Days for commencement of ist flowering)	47days	119429	297380	177951	2.49	102866	216020	113154	2.10
Brinjal	INM	Demonstration of Arka Microbial Consortium in brinjal plant	5	1	283.04	244	16%	20.8 (No of fruit/plant)	17			207999	2.80			138674	2.22

Greengram	INM	Demonstration on INM in greengram	5	1	6.4	5.3	20.7%	15.2 (no.of pods/plant	11.4 (no.of pods/plant	17150	32000	14850	1.86	15750	26500	10750	1.68
Groundnut	INM	Demonstration on INM in groundnut	5	1	23.9	18.1	32.3%	26.5 (no.of pods/plant	20.8 (no.of pods/plant	32200	95600	60400	2.71	31500	72400	40900	2.30
Tuberose	INM	Demonstration on integrated nutrient management in tuberose	5	0.4	6.7	4.98	34.5 %	46.80(No. of floret Per spike)	36.60 (No. of floret Per spike)	134673	536000	401327	3.98	128516	398400	269884	3.1
Greengram	IPM	Demonstration on Management of YMV in Greengram	5	1	6.8	352	58.52	69 (No of fruit/plant)	41	20920	42518	21598	2.03	17800	30017	12217	1.689
Chilli	IPM	Demonstration on sucking pest management in Chilli	5	1	93.4	78.3	19.28 %	4 (percentage of infestation t)	19	71847	186800	114953	2.6	68142	156600	88458	2.2
Rice	IPM	Demonstration on management of Blast disease in Rice	5	1	43.8	38.2	14.65 %			45412	64486	19074	1.42	44362	60299	15937	1.35

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																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
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

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
Common carps																	
Mussels																	
Carps	Nursery management	Use of Sea Weed Extract for better growth and survivility of fry	05	05	Yield, Survival , pH, Plankton, DO, Avg. wt.	Yield, Survival , pH, Plankton, DO, Avg. wt.	Survivility-18%	Catla-12.80g Rohu-11.0g Mrigal-10.20g Survival-78% pH:7-4, DO-6.0 Plamkton-2.4ml	Catla-10.50g Rohu-8.80g Mrigal-9.50g Survival-60% pH:7-3, DO-6.0 Plamkton-1.70ml	112600	204800	92400	1.82	1,11,250	174500	63250	1.59

IFS	Integrated Farming System	Pond based Integrated farming system	05	05	Yield, Avg. wt. pH, Plankton	Yield, Avg. wt. pH, Plankton	Fish Yield-15.08%	Catla-0.85Kg Rohu-0.70Kg Mrigal-0.50Kg Vegetaable-4.30q pH:7-9 Plamkton-2.3ml	Catla-0.72Kg Rohu-0.55Kg Mrigal-0.40Kg pH:7-9 Plamkton-1.8ml	1,16,700	2,62,500	1,45,800	2.25	1,07,000	1,98,000	91,000	1.85
Marine Fish	Post harvest mgmt.	Demo on Calcium propionate in preservation of salted dried fish	05	05	Organoleptic parameters (Taste, Odour, Flavor, Colour, Texture); TPC, Fungal Count	Organoleptic parameters (Taste, Odour, Flavor, Colour, Texture); TPC, Fungal Count	Fungal count-17%	Taste-9.6, Odour-8.6, Flavor-8.4, Colour-7.5, Texture-8.4); TPC-1.6×10^2, Fungal Count-11%	Taste-8.4,Odour-6.9, Flavor-6.9, Colour-5.5, Texture-6.8); TPC-3.1×10^3, Fungal Count-28%	4,500/100Kg	7,500/100Kg	3,000/100Kg	1.67	4,200/100Kg	6,200/100Kg	2,000/Kg	1.48
		Total	15	15													

* 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																
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					

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)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
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	(Arka Rakshak)	5	1	558	352	58.52	139500.00	502200	362700.00	3.6
Brinjal										
Okra										
Onion										

Potato										
Field bean										
Others (Chilli)	Arka Harita Arka Meghna	5	1	318	204		149268.6	491300	342031.4	3.60
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	Greengram	By INM yield increases by 41.2%
2	Sesamum	By INM yield increases by 35%
3	Rice	Application of Bensulfuron methyl + pretilachlor (Londax power) @ 60+600g/ha at 3 DAT, weed infestation decreases and yield increase by 11.63%
4	Rice	Demonstration of High yielding rice variety Pratibha gives 13.7% more yield than the traditional variety
5	Tomato	Triple disease resistant tomato F_1 hybrid ArkaRakshak Successfully withstood against to LCV, (tomato leaf curl virus) BW (bacterial wilt) & EB (early blight)
6	Pointed gourd	INM helps in maintaining stability in crop production besides improving soil physical condition
7	Cowpea	Kasi Kanchan variety is bushy, resistant to YMV, bushy, green fleshy pod, suitable for both Kharif and Rabi
8	Brinjal	AMC helps in maintaining stability in crop production, besides improving soil physical conditions
9	Greengram	Bio-fertliseraccelerate certain microbial processes in the soil which augment the extent of availability of nutrients in a form easily assimilated by plants.
10	GROUNDNUT	Application STV based NPK + FYM 2 t/ha + sulphur 40 kg /ha + boron as borax @ 10kg/ha as basal application resulted an increase of 32.3% yield
11	Tuberose	Application of 75% STBF +FYM 1kg/m^2 + Vermicompost (300g/m^2)+ Azospirillum 2g/plant + PSB 2g/plant application resulted an increase of 34.5 % yield
12	Greengram	By IPM yield increases by 38.77%
13	Chilli	By IPM yield increases by 19.28%
14	Rice	By IPM yield increases by 19.28%
15	Fish	Better survibility with net return, but low cost sea weed extract may be explored
16	Pond based farming system	Better utilization of land area with additional income, animal component must be added to enhance the profitability
17	Marine fish	Good keeping quality and fungal and bacterial load is under permissible limit.

Extension and Training activities under FLD

Sl.	Activity	Date	No. of activities	Number of	Remarks

No.			organized	participants	
Agronomy					
1.	Field days	18.3.19 12. 4.19 05.11.19 25.11.19	4	80	4 no.of field day conducted under different 4 no.of FLDs of Agronomy discipline
2.	Farmers Training	17.1.19 11. 2.19 04.10.19 22.10.19	4	1000	4 no. of trainings conducted related to 4 no. of FLDS OF Agronomy discipline
3.	Media coverage		1		
4.	Training for extension functionaries				
Horticulture					
1.	Field days	25.7.19, 2.8.19, 5.11.19, 25.12.19	4	20*4=80	4 no.of field day conducted under different 4 no.of FLDs of horticulture discipline
2.	Farmers Training	19.5.19, 23.5.19, 23.6.19,23.7.19	4	25*4=100	4 no. of trainings conducted related to 4 no. of FLDS OF horticulture
3.	Media coverage		1		
4.	Training for extension functionaries				
Soil Science					
1.	Field days	15.3.19 ,18.3.19, , 25.8.19	3	20*3=60	3 no.of field day conducted under different 3 no.of FLDs of Soil Science discipline
2.	Farmers Training	26.5.19, 20.6.19, 1.7.19, 12.8.19	4	25*4-100	4 no. of trainings conducted related to 4 no. of FLDS OF Soil Science
3.	Media coverage		1		
4.	Training for extension functionaries				
Plant Protection					
1.	Field days	21.2.19 ,1.3.19, , 22.8.19	3	20*3=60	3 no.of field day conducted under different 3 no.of FLDs of plant protection discipline
2.	Farmers Training	24.5.19, 28.6.19, 1.8.19,	3	25*3-75	3 no. of trainings conducted related to 3 no. of FLDS OF plant protection
3.	Media coverage		1		
4.	Training for extension functionaries				
Fishery					
1.	Field days	18.2.19 ,24.2.19, , 22.11.19	3	60	3 no.of field day conducted under different 3 no.of FLDs of fishery discipline

2.	Farmers Training	18.1.19 ,24.1.19, , 22.10.19,	3	75	3 no. of trainings conducted related to 3 no. of FLDS of fishery discipline
3.	Media coverage		1		
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	GREENGRAM	LOCAL	4.9	-	-	240	1. HYV of greengram IPM 02-14 2. Seed treatment with Carbendazim *To control fungal borne diseases* 3. Spraying of Multineem @ 5 ml/lt of water. 4. Indoxacarb@1ml/lt to control pod borer 5. Imidachloprid 17.6 % SL @ 4 ml/10 lt of water for control sucking pest 6. Installation of Yellow sticky trap for control of sucking pest	50	20	6.8	5.1	5.6	7.48	16.66	30

B. Economic parameters

Sl.	Variety demonstrated &	Farmer's Existing plot	Demonstration plot

No.	Technology demonstrated								
		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 seeds(IPM 02-14), Seed treatment with(Carbendazim) @ 2gm/kg seed , Spraying of Indoxacarb @ 1ml/lt of water, Spraying of Multineem @ 5ml/lt of water & Installation of Yellow sticky traps @ 10 nos/ha & spraying of Imidachloprid @ 4ml/ 10 lt of water.	13500	29400	15900	2.17	13900	33600	19700	2.41

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	GREENGRAM(IPM 02-14	11200	194	60	1000	500	farmers utilised the income for their future farm activities	34

D. Oilseed Farmers' perception of the intervention demonstrated

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

1	Improved seeds(IPM 02-14), Seed treatment with(Carbendazim) @ 2gm/kg seed , Spraying of Indoxacarb @ 1ml/lt of water, Spraying of Multineem @ 5ml/lt of water & Installation of Yellow sticky traps @ 10 nos/ha & spraying of Imidachloprid @ 4ml/ 10 lt of water..	Yes		Yes	No	Yes	It is suggested to cultivate this variety in late kharif to obtain its potential yield.

E. Specific Characteristics of Technology and Performance

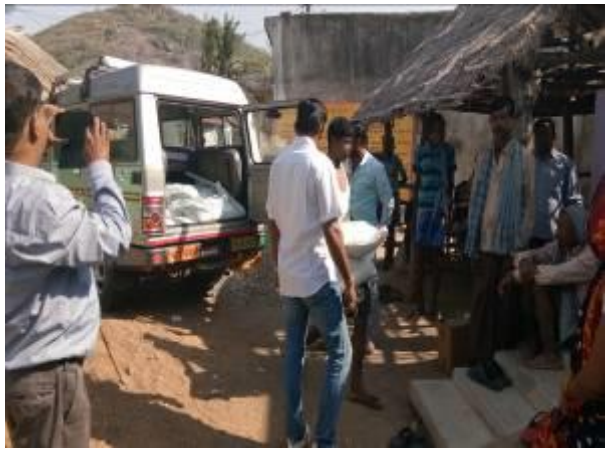
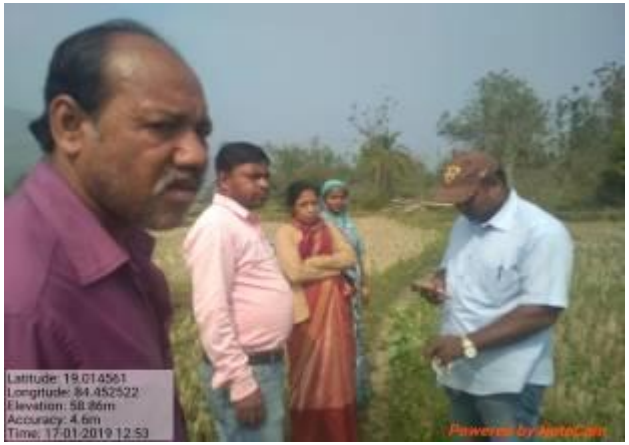
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
(IPM 02-14) Resistant to powdery mildew& YMV disease	Seed colour: Green, Seed shape: Round to Cylindrical, 100 seed wt. : 3.01 g.& PLANT HEIGHT : 50-55 CM	19.60 % increase over local check.	farmers are interested to cultivate the variety in future due to higher yield than local

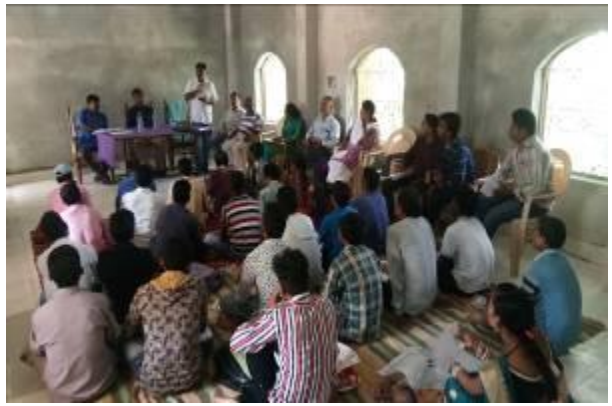
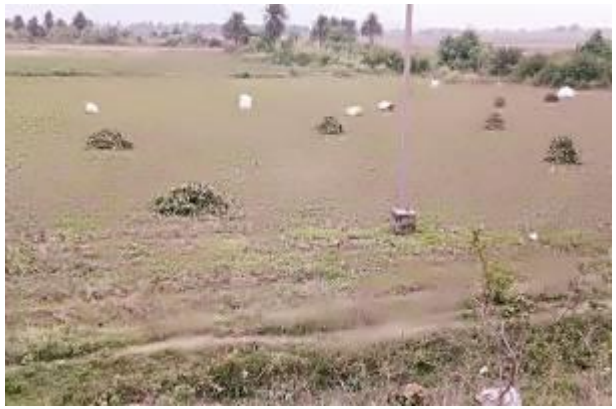
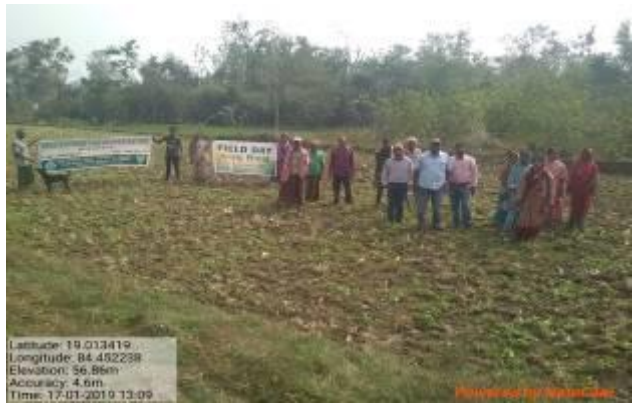
F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Improved package & practices of Greengram Cultivation	Banapur(PATRAPUR) & 04.01.2019	25
2.	Field Day on Greengram Cultivation	Gauduni(BANAPUR) & 11.03.2019	20

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

GREENGRAM

		
SEED DISTRIBUTION	**GROUP DISCUSSION**	**FIELD VISIT**

		
TRAINING	**HARVESTING**	**FIELD DAY**

9. Farmers' training photographs

10. Quality Photographs of field visits/field days and technology demonstrated.

11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram (Rabi 2018-19)	i) Critical input		1,54,482.00	
	ii) TA/DA/POL etc. for monitoring		5400.00	
	iii) Extension Activities (Training + Field Day)		5,350.00	
	iv)Publication of literature(flex) + Booklet+ Misc		13,568.00	
	Total (1,80,000.00)	**1,78,800.00**	**1,78,800.00**	**Nill**

12. List of Farmer under FLD (Crop wise)

a) Crop (Greengram)

Farmer's Name	Father's Name	Village	Block	Mobile No.	Email ID	GPS Coordinates (DDMMSS format)		Soil Testing done (Yes/No)	Recommendations based on soil test value	Brief technology Intervention	Variety	Seed quantity used (Kg)	Demo. Yield (q/ha)			Yield of local check (q/ha	% Increase
						Longitude	Latitude						H	L	A		
Baya Nayak	Charana Nayak	Banpur	Patrapur	8895662059		19°03'01"N	84°28'48"E	Yes	DAP – 108.7 kg, Urea – 11.8 kg, MOP – 33.3 kg	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Bhima Nayakl	Banka Nayak	Banpur	Patrapur	8895662059		19°03'08"N	84°28'58"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Hema Pradhan	Bisu Pradhan	Banpur	Patrapur	9438645510		19°03'09"N	84°28'57"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Banamali Sabar	Charana Sabar	Banpur	Patrapur	7653812567		19°03'15"N	84°29'05"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Barik Sabar	Padia Sabar	Banpur	Patrapur	8763053835		19°03'23"N	84°29'19"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Rama Sabar	Padia Sabar	Banpur	Patrapur	8763362387		19°03'53"N	84°29'48"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Sasi Mala Bisoi	Nilamani Mala Bisoi	Banpur	Patrapur	9439821748		19°04'01"N	84°29'55"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Khali Nayak	Banka Natak	Banpur	Patrapur	7653802568		19°05'01"N	84°29'48"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Bhaskar	H/O-	Banpur	Patrapur	9438715		19°05'45	84°29'51	Yes	-do-	Seed , Seed	IPM 02-	10	6.8	5.1	6.1	5.1	19.60

Mala Bisoi	Sambaria Bisoi			237		"N	"E			treatment , Installation of Yellow sticky traps	14						
Rusia Mala Bisoi	Sambaria Bisoi	Banpur	Patrapur	9438764555		19˚04'37"N	84˚29'25"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Ramakanta Mala Bisoi	Rusia Bisoi	Banpur	Patrapur	8456023849		19˚05'43"N	84˚29'45"E	Yes	DAP – 106.5 kg, Urea – 12 kg, MOP – 34kg	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Chandra Jani	Sambari Jani	Banpur	Patrapur	8456023739		19˚04'31"N	84˚29'20"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Dandasi Sabar	Charan Sabar	Banpur	Patrapur	8763002113		19˚03'09"N	84˚28'57"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Raibaria Nayak	Ramini Nayak	Banpur	Patrapur	8763750862		19˚03'15"N	84˚29'05"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Trinath Nayak	Khali Nayak	Banpur	Patrapur	8763750862		19˚03'23"N	84˚29'19"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Dhanu Sabar	Ghasi Sabar	Banpur	Patrapur	8763458747		19˚03'53"N	84˚29'48"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Chaitnya Sabar	Siria Sabar	Banpur	Patrapur	7656059628		19˚04'01"N	84˚29'55"E	Yes	DAP –109.2 kg, Urea – 12 kg, MOP – 32kg	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Raghunath Sabar	Kuia Sabar	Banpur	Patrapur	7656059628		19˚05'01"N	84˚29'48"E	Yes	-do-	Seed , Seed treatment , Installation of	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60

										Yellow sticky traps							
Gobinda Mala Bisoi	Hari Mala Bisoi	Banpur	Patrapur	7655814597		19°03'53"N	84°29'48"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Duryodhan Mala Bisoi	Hari Mala Bisoi	Banpur	Patrapur	8480138776		19°04'01"N	84°29'55"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Kora Sabar	Bairagi Sabar	Banpur	Patrapur	8763631124		19°05'01"N	84°29'48"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Trinath Sabar	Kusan Sabar	Banpur	Patrapur	9437659843		19°05'45"N	84°29'51"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Hadiani Karyaa	Durydhan Karyaa	Banpur	Patrapur	6360045547		19°04'37"N	84°29'25"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Bibhuti Mala Bisoi	Keshab Mala Bisoi	Banpur	Patrapur	943821748		19°05'43"N	84°29'45"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Ananta Sabar	Ghasi Sabar	Banpur	Patrapur	9439821748		19°04'37"N	84°29'25"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Kumani Sabar	Banamali Sabar	Banpur	Patrapur	9439821748		19°05'43"N	84°29'45"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Dandapani Nayak	Parama Nayak	Banpur	Patrapur	8895662059		19°04'31"N	84°29'20"E	Yes	DAP – 106.5 kg, Urea – 12 kg, MOP – 34kg	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Laxmi Mala	Sima Mala	Banpur	Patrapur			19°03'09	84°28'57	Yes	-do-	Seed , Seed	IPM 02-	10	6.8	5.1	6.1	5.1	19.60

Bisoi	Bisoi					"N	"E			treatment , Installation of Yellow sticky traps	14						
Bhagabana Pradhan	Banka Pradhan	Banpur	Patrapur			19°03'15 "N	84°29'05 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Niranjan Sabar	Dandasi Sabar	Banpur	Patrapur			19°03'45 "N	84°28'36 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Jagannath Dalai	Uimala Dalai	Gauduni	Patrapur	9439357642		19°01'28 "N	84°43'78 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Kedar Bisoi	Narasingha Bisoi	Gauduni	Patrapur			19°01'28 "N	84°43'78 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Tulasa Bisoi	Lula Bisoi	Gauduni	Patrapur			19°01'28 "N	84°43'78 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Bairi Sabar	Chandu Sabar	Gauduni	Patrapur			19°01'28 "N	84°43'78 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Parikhita Nayak	Bhimsen Nayak	Gauduni	Patrapur			19°01'28 "N	84°43'78 "E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Udaya Bisoi	Bakasi Bisoi	Gauduni	Patrapur			19°01'28 "N	84°43'78 "E	Yes	DAP – 108.7 kg, Urea – 11.8 kg, MOP – 33.3 kg	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Kanak Nayak	Paika Nayak	Gauduni	Patrapur			19°01'28 "N	84°43'78 "E	Yes	-do-	Seed , Seed treatment , Installation of	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60

										Yellow sticky traps							
Jasoda Bisoi	Iswar Bisoi	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Kuramani Raita	Maliga Raita	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Ranjit Kariea	Chandan Kariea	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Draupati Sabar	Choudharry Sabar	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	DAP – 106.5 kg, Urea – 12 kg, MOP – 34kg	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Damodar Dalei	Bhaskar Dalei	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Sarat Ch Dalei	Bhaskar Dalei	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Hara Sabar	Laxman Sabar	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Sania Sabar	Ananda Sabar	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Tuna Nayak	Ghana Nayak	Gauduni	Patrapur			19˚01'28"N	84˚43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	6.1	5.1	19.60
Bhagabana	Sukru	Gauduni	Patrapur			19˚01'28	84˚43'78	Yes	-do-	Seed , Seed	IPM 02-	10	6.8	5.1	6.1	5.1	19.60

Nayak	Nayak					"N	"E			treatment , Installation of Yellow sticky traps	14						
Sarat Dalai	Uidala Dalai	Gauduni	Patrapur			19°01'28"N	84°43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Banu Sabar	Sambava Sabar	Gauduni	Patrapur			19°01'28"N	84°43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60
Kailash Ch Raita	Malika Raita	Gauduni	Patrapur			19°01'28"N	84°43'78"E	Yes	-do-	Seed , Seed treatment , Installation of Yellow sticky traps	IPM 02-14	10	6.8	5.1	5.1	5.1	19.60

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	2	11	3	14	8	6	14	13	9	22	32	18	50
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	1	21	4	25									25
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													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
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													
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													

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
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													
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													

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
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													
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													

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
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													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													

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
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													

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													
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													

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	3	41	12	53	15	6	21	1	0	1	57	18	75
Resource Conservation Technologies													
Cropping Systems	1	18	4	22	3	0	3	0	0	0	21	4	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	3	39	15	54	12	3	15	4	2	6	55	20	75
Nursery management	2	28	6	34				10	6	16	38	12	50
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management	1	10	9	19	3	3	6	0	0	0	13	12	25
Production of organic inputs													
Others													
Total	10	136	46	182	33	12	45	15	8	23	184	66	250
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	22	01	23	0	0	0	0	02	02	22	03	25
Off0season vegetables	1	15	3	18	2	1	3	4	0	4	17	8	25
Nursery raising	1	11	7	18	3	0	3	4	0	4	19	6	25
Exotic vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Export potential vegetables	2	36	9	45	5	0	5	0	0	0	41	9	50
Grading and standardization													
Protective cultivation	1	18	5	23	0	0	0	0	02	02	22	03	25
Others													
Total (a)	7	120	32	152	10	1	11	8	4	12	139	36	175
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards	1	20	3	23	0	0	0	0	02	02	22	03	25
Rejuvenation of old 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
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	1	20	3	23	0	0	0	0	02	02	22	03	25
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	8	3	11	6	2	8	0	6	6	14	11	25
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	1	11	7	18	2	1	3	4	0	4	17	8	25
Integrated water management													
Integrated Nutrient Management	2	38	9	50	3	0	3	0	0	0	41	9	50
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	1	12	6	18	3	0	3	4	0	4	19	6	25
Nutrient Use Efficiency													
Balance Use of fertilizer	3	31	02	33	18	12	30	07	05	12	56	19	75
Soil & water testing	1	18	7	25	0	0	0	0	0	0	18	7	25
others													
Total	8	110	31	144	26	13	39	15	5	20	151	49	200
IV. Livestock Production and Management													
Dairy 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
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													
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	4	55	27	82	11	3	14	3	1	4	69	31	100
Integrated Disease Management	7	90	31	121	36	12	48	4	2	6	130	45	175
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	11	145	58	203	47	15	62	7	3	10	199	76	275
VIII. Fisheries													
Integrated fish farming													
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													
Composite fish culture													
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													
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													

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	1	9	3	12	1	0	1	2	0	2	12	3	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	10	2	12	2	0	2	1	0	1	13	2	15
Commercial fruit production													
Integrated farming													
Seed production	3	11	8	19	4	2	6	14	6	20	29	16	45
Production of organic inputs	1	5	3	8	3	2	5	1	1	2	9	6	15
Planting material production													
Vermiculture	1	10	3	13	1	0	1	1	0	1	12	3	15
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													
IDM in Lemon	1	12	3	15	0	0	0	0	0	0	12	3	15
IDM in groundnut	1	10	2	12	1	1	2	1	0	1	12	3	15
Others	2										24	6	30
Total	11	67	24	91	12	5	17	20	7	27	123	42	165

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													

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 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	5	52	15	67	23	12	35	14	9	23	89	36	125
Resource Conservation Technologies													
Cropping Systems	1	18	4	22	3		3				21	4	25
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production	4	60	19	79	12	3	15	4	2	6	55	20	100
Nursery management	2	28	6	34				10	6	16	38	12	50
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management	1	10	9	19	3	3	6				13	12	25
Production of organic inputs													
Others													
Total	13	168	53	221	41	18	59	28	17	45	216	84	325
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops	1	22	01	23	0	0	0	0	02	02	22	03	25
Off0season vegetables	1	15	3	18	2	1	3	4	0	4	17	8	25
Nursery raising	1	11	7	18	3	0	3	4	0	4	19	6	25
Exotic vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Export potential vegetables	2	36	9	45	5	0	5	0	0	0	41	9	50
Grading and standardization													

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
Protective cultivation	1	18	5	23	0	0	0	0	02	02	22	03	25
Others													
Total (a)	7	120	32	152	10	1	11	8	4	12	139	36	175
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards	1	20	3	23	0	0	0	0	02	02	22	03	25
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	1	20	3	23	0	0	0	0	02	02	22	03	25
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	8	3	11	6	2	8	0	6	6	14	11	25
Propagation techniques of Ornamental Plants													
Others													
Total (c)	1	8	3	11	6	2	8	0	6	6	14	11	25
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	1	11	7	18	2	1	3	4	0	4	17	8	25
Integrated water management													
Integrated Nutrient Management	2	38	9	50	3						41	9	50
Production and use of organic inputs													
Management of Problematic soils													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Micro nutrient deficiency in crops	1	12	6	18	3	0	3	4	0	4	19	6	25
Nutrient Use Efficiency													
Balance Use of fertilizer	3	31	02	33	18	12	30	07	05	12	56	19	75
Soil & water testing	1	18	7	25	0	0	0	0	0	0	18	7	25
others													
Total	8	110	31	144	26	13	36	15	5	20	151	49	200
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													
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	4	55	27	82	11	3	14	3	1	4	69	31	100
Integrated Disease Management	7	90	31	121	36	12	48	4	2	6	130	45	175

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
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	11	145	58	203	47	15	62	7	3	10	199	76	275
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													
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													

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 Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

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	1	9	3	12	1	0	1	2	0	2	12	3	15
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	10	2	12	2	0	2	1	0	1	13	2	15
Commercial fruit production													
Integrated farming													
Seed production	3	11	8	19	4	2	6	14	6	20			45
Production of organic inputs	1	5	3	8	3	2	5	1	1	2	9	6	15
Planting material production													
Vermiculture	1	10	3	13	1	0	1	1	0	1	12	3	15
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													

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
IDM in Lemon	1	12	3	15	0	0	0	0	0	0	12	3	15
IDM in groundnut	1	10	2	12	1	1	2	1	0	1	12	3	15
Others													
Total	9	67	24	91	12	5	17	20	7	27	70	20	135

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													
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													

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
Agronomy	F/FW	Nursery management in Rice	1 day	Off campus	21	4	25	3	1	4
Agronomy	F/FW	Improved package of practice of ragi	1 day	Off campus	18	7	25	6	0	6
Agronomy	F/FW	SRI System of Rice cultivation	1 day	Off campus	19	6	25	4	1	5
Agronomy	F/FW	Integrated weed management in rice	1 day	Off campus	17	08	25	8	05	13

Agronomy	F/FW	Weed management in maize	1 day	Off campus	25	0	25	4	0	04
Agronomy	F/FW	Maize pulse intercropping	1 day	Off campus	17	08	25	2	06	08
Agronomy	F/FW	Improved package of practice of pulse crop	1 day	Off campus	20	05	25	1	03	04
Agronomy	F/FW	package of practice of pulse crop	1 day	Off campus	15	10	25	6	06	12
Agronomy	F/FW	Integrated weed management in groundnut	1 day	Off campus	14	11	25	8	08	16
Agronomy	F/FW	Improved package of practice of sunflower	1 day	Off campus	17	08	25	3	05	08
Agronomy	F/FW	Integrated weed management in greengram/blackgram	1 day	Off campus	12	03	15	0	02	02
Agronomy	F/FW	Improved package of practice of fodder crops	1 day	Off campus	15	10	25	6	06	12
Agronomy	F/FW	Improved package of practice of sesame	1 day	Off campus	22	03	25	7	03	10
Horticulture	F/FW	Cultivation of tuber crops	1 day	Off campus	25	0	25	8	0	08
Horticulture	F/FW	Training on agro techniques in pointed gourd, bitter gourd	1 day	Off campus	23	02	25	0	02	02
Horticulture	F/FW	Training on scientific cultivation of cowpea and bean	1 day	Off campus	25	0	25	4	0	04
Horticulture	F/FW	Training on canopy management and rejuvenation of old orchard	1 day	Off campus	17	08	25	2	06	08
Horticulture	F/FW	Cultivation of off season vegetable	1 day	Off campus	20	05	25	1	03	04
Horticulture	F/FW	Scientific cultivation of capsicum	1 day	Off campus	15	10	25	6	06	12
Horticulture	F/FW	Training on improved package and practices of beetle vine	1 day	Off campus	22	03	25	7	03	10
Horticulture	F/FW	Training on agro techniques in Marigold, tuberose	1 day	Off campus	25	0	25	8	0	08
Horticulture	F/FW	Cultivation of, broccoli, red cabbage	1 day	Off campus	25	0	25	8	0	08
Horticulture	F/FW	Training on agro techiques of kewda cultivation	1 day	Off campus	23	02	25	0	02	02
Horticulture	F/FW	Cultivation of mango, guava	1 day	Off campus	14	11	25	8	08	16
Horticulture	F/FW	Training on improve package of practices in tomato, brinjal, chilli	1 day	Off campus	17	08	25	3	05	08
Soil Sc.	F/FW	Training on Soil	1 day	Off	12	03	15	0	02	02

		fertility management		campus						
Soil Sc.	F/FW	Training on INM in oilseed crops	1 day	Off campus	17	8	25	3	2	5
Soil Sc.	F/FW	Training on Role and use of biofertilisers in vegetables	1 day	Off campus	18	7	25	2	0	2
Soil Sc.	F/FW	Training on INM in flower cultivation	1 day	Off campus	21	4	25	3	1	4
Soil Sc.	F/FW	Training on INM in millets	1 day	Off campus	18	7	25	6	0	6
Soil Sc.	F/FW	Training on role and use of secondary and micronutrients in hybrid maize	1 day	Off campus	19	6	25	4	1	5
Soil Sc.	F/FW	Training on nutrient management in rice	1 day	Off campus	18	7	25	4	1	5
Soil Sc.	F/FW	Training on importance of soil testing and technique of soil sampling.	1 day	Off campus	17	8	25	7	2	9
Plant Protection	F/FW	Disease management Rice	1 day	Off campus	15	10	25	5		5
Plant Protection	F/FW	Disease management in ragi	1 day	Off campus	25	0	25	7	0	07
Plant Protection	F/FW	IPM in Maize	1 day	Off campus	17	08	25	8	05	13
Plant Protection	F/FW	Disease management Groun nut	1 day	Off campus	25	0	25	4	0	04
Plant Protection	F/FW	Disease management in sunflower	1 day	Off campus	17	08	25	2	06	08
Plant Protection	F/FW	Disease management in tomato	1 day	Off campus	20	05	25	1	03	04
Plant Protection	F/FW	Disease management in brinjal	1 day	Off campus	25	0	25	8	0	08
Plant Protection	F/FW	Disease management in chilli	1 day	Off campus	23	02	25	0	02	02
Plant Protection	F/FW	IPM in Cowpea	1 day	Off campus	14	11	25	8	08	16
Plant Protection	F/FW	Disease management in pointed gourd	1 day	Off campus	17	08	25	3	05	08
Plant Protection	F/FW	IPM in Marigold	1 day	Off campus	12	03	15	0	02	02
Plant Protection	F/FW	IPM in Mango	1 day	Off campus	22	03	25	7	03	10
Fishery Science	F/FW	Importance of soil and water quality parameters in fish production	1 day	Off campus	25	0	25	8	0	08
Fishery Science	F/FW	Production and management of Natural food in Nursery Pond	1 day	Off campus	23	02	25	0	02	02
Fishery Science	F/FW	Fish seed conditioning and transportation	1 day	Off campus	15	10	25	6	06	12

Fishery Science	F/FW	Culture practices in community pond	1 day	Off campus	22	03	25	7	03	10
Fishery Science	F/FW	Pond based IFS	1 day	Off campus	25	0	25	8	0	08
Fishery Science	F/FW	Feed Formulation and feeding management	1 day	Off campus	23	02	25	0	02	02
Fishery Science	F/FW	Use of feed additives in carp culture	1 day	Off campus	22	03	25	7	03	10
Fishery Science	F/FW	Plankton Management in Grow-out pond culture	1 day	Off campus	18	7	25	2	0	2
Fishery Science	F/FW	Disease diagnosis, treatment and control measures	1 day	Off campus	21	4	25	3	1	4
Fishery Science	F/FW	Control and eradication of algal blooms and weeds in fish culture	1 day	Off campus	18	7	25	6	0	6
Fishery Science	F/FW	Value addition and value added products from fish and shell fish	1 day	Off campus	14	11	25	8	08	16
Fishery Science	F/FW	Species diversification in Aquaculture and its Importance	1 day	Off campus	17	08	25	3	05	08
Agronomy	RY	Sustainable sugarcane initiative: producing more with less	2 day	Off campus	10	5	15	2	1	3
Agronomy	RY	Irrigation management in field crops	2 day	Off campus	8	7	15	3	2	5
Agronomy	RY	Brown manuring: an effective technique for yield sustainability and weed management of cereal crops	2 day	Off campus	12	3	15	1	0	1
Agronomy	RY	Climate change and its impact on agriculture	2 day	Off campus	11	4	15	2	1	3
Horticulture	RY	Nursery management	2 day	Off campus	14	1	15	0	0	0
Horticulture	RY	Cultivation of rose, gladioli	2 day	Off campus	9	6	15	3	2	5
Horticulture	RY	Scientific cultivation of banana	2 day	Off campus	10	5	15	2	1	3
Horticulture	RY	Protected cultivation of vegetable crops	2 day	Off campus	9	6	15	3	2	5
Soil Sc.	RY	training on vermiculture and vermicomposting	4day	Off campus	21	9	30	6	3	9
Soil Sc.	RY	Training on production of organic inputs	4 day	Off campus	22	8	30	4	1	5
Plant Protection	RY	IDM in Lemon	4 day	Off campus	18	12	30	7	3	10

Plant Protection	RY	IDM in groundnut	4 day	Off campus	22	8	30	6	2	8
Fishery Sc.	RY	Ornamental fish culture as an Income generating activity	2 day	Off campus	11	4	15	2	1	3
Fishery Sc.	RY	Package and practices of Fingerling and Yearling production	2 day	Off campus	12	3	15	3	1	4
Fishery Sc.	RY	Value addition and value added product preparation	2 day	Off campus	11	4	15	3	1	4
Fishery Sc.	RY	Seed production and hatchery management in carps	2 day	Off campus	12	3	15	8	3	11

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	

*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													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para0vet training													
Other													
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			

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													
Total													
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													
Grand 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	9	356	52	408	18	11	8	19	367	60	427
KisanMela	3	740	320	1060	15	65	35	100	805	355	1160
KisanGhosthi				0				0	0	0	0
Exhibition	2	820	180	1000	21	90	45	135	910	225	1135

Film Show	1	360	140	500	20	22	12	34	382	152	534
Method Demonstrations				0				0	0	0	0
Farmers Seminar	1	35	15	50	6			0	35	15	50
Workshop				0				0	0	0	0
Group meetings	11	340	40	380	5	10	5	15	350	45	395
Lectures delivered as resource persons	18	555	166	721	15	14	10	24	569	176	745
Advisory Services	59	18404	2200	20604	18	200	100	300	18604	2300	20904
Scientific visit to farmers field	115	945	310	1255	15			0	945	310	1255
Farmers visit to KVK	255	216	39	255	10			0	216	39	255
Diagnostic visits				0				0	0	0	0
Exposure visits				0				0	0	0	0
Ex-trainees Sammelan				0				0	0	0	0
Soil health Camp	1	380	120	500	16	10	40	50	390	160	550
Animal Health Camp	1	80	20	100	9	5	2	7	85	22	107
Agri mobile clinic				0				0	0	0	0
Soil test campaigns	4	155	25	180	8	4	2	6	159	27	186
Farm Science Club Conveners meet				0				0	0	0	0
Self Help Group Conveners meetings	2	36	14	50	2			0	36	14	50
MahilaMandals Conveners meetings				0				0	0	0	0
Celebration of important days (specify)	5	180	60	240	9	10	5	15	190	65	255
Sankalp Se Siddhi				0				0	0	0	0
Swatchta Hi Sewa	3	100	30	130	6			0	100	30	130
MahilaKisan Divas	1		25	25	2			0	0	25	25
Any Other (Specify)				0				0	0	0	0
Total	491										28163

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	15
Radio talks	12
TV talks	8

Popular articles	7
Extension Literature	10
Other, if any	10

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
Paddy	Swarna Sub-1	107.2	320000 (Excepted)								
Grand Total											

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	Arkarakshak	1900	4750								
Brinjal	Akshita	1528	3820								
Chilli	Arkameghna,Arka harita	14788	36970								
Onion											
Others											
Fruits											
Mango	Amrapalli	80	2510								
Guava											

Lime											
Papaya	Redlady	630	15750								
Banana											
Others	Drumstick(Pkm-1)	ā	3750								
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total											

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers	14.25q	14250								
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.	7kg	3500								
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											
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)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018	Rice	Swarna Sub-1	4 ha	4 ha	106.7 q	F/S
Rabi 2018-19						
Summer/Spring 2019						
Kharif 2019	Rice	Swarna Sub-1	4 ha	4 ha	140 q (Un-processed)	F/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				
2017-18				
2018-19		223083.50		

2019-2020		450000.00 (approximately)		

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	• Biology of cultivation carps • Induced breeding and seed production of carps • Seed production of Ornamental fish • Preparation of sperm suspension of claries batrachus • effect of micro nutrient in marigold	• Mr. Sidharth Sankar Das, Scientist(Fishery) • Mrs. Sushree Choudhury, Scientist (Horticulture)	4 1	
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter	2		1000	1000
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	21		40	
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.	Name of	Name of course	Name of KVK personnel	Date and Duration	Organized by

No.	programme		and designation		
1.	Regional workshop	Regional workshop on PPV & FRA	Mrs Sushree Choudhury Scientist (Horticulture)	15.03.19	WBUA & FS, Belgachia, WB
2.	Training	Water and Soil management	Mr Debasis Sarangi Scientist (Soil Sc.)	21.01.19 to 24.01.19	IIWM, Bhubaneswar
3.	Training	training on oilseed crop under(TRFA)oilseed	Mr Debasis Sarangi Scientist (Soil Sc.)	11.3.19 to12.3.19	DDA Ganjam, Berhampur
4.	Training	District level workshop on cotton cultivation	Mrs Kabita Mishra Scientist(Agronomy)	8.3.19	DDA Ganjam, Berhampur
5.	Training	training on oilseed crop under(TRFA)oilseed	Mrs Kabita Mishra Scientist(Agronomy)	11.3.19 to12.3.19	DDA Ganjam, Berhampur
6.	Training	Quality fish seed production and certification	Mr Sidharth Sankar Das Scientist (Fishery)	5.2.19 to14.2.19	College of Fisheries, O.U.A.T

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. Manoj Bishoyi
Address	Village Naranpurof Block Patrapur ,Ganjam district
Contact details (Phone, mobile, email Id)	8895675329
Landholding (in ha.)	6 acre(Upland-4 acre,Low land -2 acre)
Name and description of the farm/ enterprise	Crop production (paddy , ragi, groundnut & vegetable)
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	

Initial status / Practice of farmer before KVK intervention : paddy, and Vegetable with no commercial outlook & unscientific cultivation practices

KVK Interventions :(**Dissemination of the Technology)**

- Adoption of crop diversification
- Introduction of improved cultivation practices of crop .
- Capacity building through Training, FLD, OFT and other extension activities by KVK.
- Diagnostic visit of KVK Scientist time to time
- Exposure visit by KVK and other line department
- Method demonstration showcasing all the package of practices
- Distribution of extension literature on improved package of practices of ragi cultivation
- Training and demonstration of value added products of fingermillet Under Millet mission programme.

Innovative Extension approach & methodology adopted for implementation of KVK intervention: Method and result demonstration, farmers' fair and training for capacity building

Adoption of improved practice by the farmers after KVK intervention Cultivation of BPH tolerant rice variety like Hasanta, Ragi varieties like Bhairabi, Arjun and Kalua ,improved cowpea variety Kasi Kanchan cultivation, INM and IWM in groundnut & various commercial vegetables like Tomato improved variety like Arka Rakshak etc.

Sl. No	Types of enterprise	Production	. Income (Rs.)	Expenditure	Net profit (Rs.)
1	**Kharif**	Rice – 43qtl	34400	27963	6437
2	Rice (2 ac)	ragi -12 qts	24000	13654	10346
3	Ragi (2.5acre)	cowpea- 21.8qtl	26160	7500	18660
4	Cowpea (0.5acre)	brinjal-48qtl	48000	17850	30150
5	one ac)	G.Nut – 21.6 qts	64800	28965	35835
6	Brinjal(0.5 acre)	Greengram -	11500	4832	6668
	Rabi	2.3qtl	44800	19685	25115
	G. Nut (in two ac)	Tomato-56qtl			_____
	Green gram(1 acre)				Rs 1,33,211
	Tomato (0.5acre)				
Total family income during the year : **Rs 1,33,211/-**					

Farmers' reaction, feedback on adoption of technology/ practice: Getting remunerative price for his farm product, techno-socio and financial empowerment, acknowledgement by the State line department as a progressive farmer. He became a well known farmer of his village and he is figured as great source of inspiration for fellow farmers.

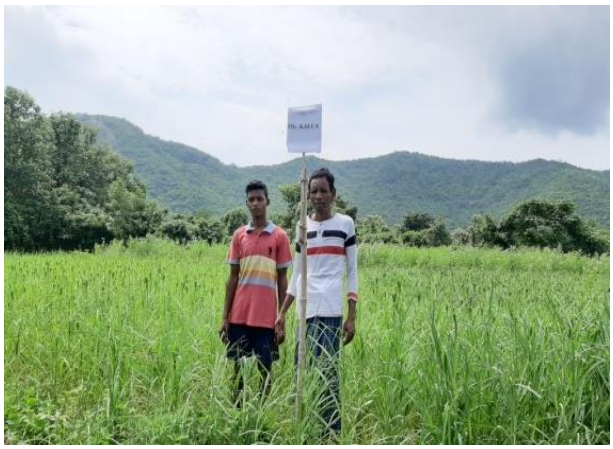
Extent of diffusion effect of the newly adopted technology / practice in the nearby area:

(a) Percentage adoption : 70

(b) Technology adopted in villages : Naranpur, Bhejipadar, Bhairapur, Talapada of Patrapur block

Follow up actions by KVKs Scientists if any: Diagnostic field visit by SMSs, Advisory service at the centre.

Photographs of the enterprise/ practice and farmer



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

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1	Pruning and Stacking of Tomato to minimize yield loses	Sh.Sanjib Kumar Patra	Yield reduction of tomato was very severe during Kharif season in Padripalli village. To avoid this, the farmer used their own innovative idea to overcome the adverse situation. Mr. Bijaya used the low-cost technology to overcome the adverse situation by using rope. But, he could partially succeed in this innovative method. Later he used locally available ipomoea and rope for stacking the tomato plant in his farmland. Later he used the bamboo stick for stacking tomato plant. The farmer got an increased yield of 44.35% to a tune of 253.76 q/ha from earlier 175.79 q/ha with an average 26 number of fruits per plant.

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	VEGETABLE	5 kg of various bitter leaves(Neem,Karanja,Dhatura, Poka sungha, Congress Grass, Castor) made small pieces and chopped and put in a drum with 10 lit of cow urine and 5 lit of water and coverd it. Intermittently stirring with a	Application of Biopesticide to Control Pests in vegetable.

		stick and kept for 35 days after 35 days took 1 lit & mix with 14 lit water and spray in one acre area. By The farmer got an increased yield of 36.35%	
2	MARIGOLD	1 kg of lime and soaked in 20 litre of cow urine for one day then diluted by adding 25 liter of water and sprayed in marigold field.By this mites controlled and yield enhanced by 26%.	Control of mite in marigold

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	Dolichos bean Brinjal Tomato chilli	15 6 5 4	- 70q/ha 125q/ha 100q/ha 61q/ha	160	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.
Mridapariksha	3 (2 new+1old)	3
Shaker	3	2
Hot plate	3	

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
200	-	200	540	23	-

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
	World Soil Day	100	-	-	100	100

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
31.08.19	Prof. Pawan Kumar Agarwal Vice Chancellor ,OUAT	KVK Visit
31.08.19	Prof. P. K. Roul Dean, Directorate of Extension Education, OUAT	KVK Visit F.P.O meeting

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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	Crop management
Name of the Innovation	Innovation in management in field crops
Details of Innovator	Sri Balaji Dalei,Village-Giria,G.P-Giria , Block-Hinjilikatu, Dist- Ganjam
Back ground of innovation	Reducing pest and disease attack in field crop
Technology details	Paddy yield reduced by attack of different pests and diseases.To avoid this, the farmer used their own innovative idea to overcome the adverse situation. He sprayed salt and ash solution(2kg salt+ 8 kg ash+ 200 lit of water) to control leaf folder in one acre area. Similarly to control stem borers and fungal diseases in sugar cane field dried neem fruits are powdered and applied @ 200kg./ha. Maize seeds are soaked in cow urine for 12 hours before sowing for better germination
Practical utility of innovation	To control pest and disease and to increase productivity

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Pond based Farming system
Name & complete address of the entrepreneur	Shri Suresan Behera, S/O- Shri Barika Behera Village: Tareipatapur, G.P.-Kanamuna, PO:Chhatrapur, Block: Chhatrapur Dist: Ganjam, Odisha-761020

Role of KVK with quantitative data support:

Sl. No	Scope	Farmers Practice	Suggested Practice	KVKs role and Practice adopted
1.	Grow-out culture of carps	Only seed raising and selling	Grow-out culture of Java punti with IMC	Seed through FLD Programme. Training
1	Fish Seed Diversification	Seed of IMC (Catla, Rohu, Mrigal) and exotic carp (Grass carp and Common carp)	Addition of Silver barb, Pangas and Amur carp seed	Supplied additional 3 seed through FLD programme Fish seed raising of total 8 species
2	IFS	Barren pond dyke and adjacent area	Pond based IFS (Fish-cum-vegetable)	HYV and Hybrid variety of seeds and saplings supplied on demo Programme. Soil test based fertilizer recommendation Adopted
3	Dairy	No dairy component	Dairy (Cross bred and Desi)	Liasioning with Veterinary Dept. for knowledge and

Observations of technical parameters before and after intervention

Sl No	Parameters	Before intervention	After intervention
1	Sludge formation	0.5 feet/year	0.2 feet/year
2	Formation of NH_4 / H_2S	Observed	Not observed
3	Water exchange	3-4 times per year	Required only to compensate the evaporation loss
4	Pond depth after culture	About 0.5feet depth reduction was Observed	Not observed
5	Disease outbreak / Mortality	Observed due to parasitic incidence	Not observed
6	Dissolved Oxygen problem	Observed	Not observed
7	Type of stocking and harvest	Fry/Fingerlings, Single stocking and single harvest	Fingerlings, Multiple stocking and multiple harvest
8	Survival rate	60 %	80 %
9	Application of Probiotics	Not adopted	Adopted
10	Harvest	Complete / Total harvest	Batch/Partial harvest
11	Manpower	5hrs/day	1hr/day
12	Type of culture	Extensive	Modified extensive

Production and Economics of different enterprises before and after KVK intervention

Sl No	Enterprise	Area (ha)	Cost of cultivation	Gross return (Rs/ha)	Net return (Rs/ha)	B:C ratio

				(Rs/ha)							
		Before	**After**	**Before**	**After**	**Before**	**After**	**Before**	**After**	**Before**	**After**
1	Fish seed rearing	1.60	2.40	165000	182000	340000	433000	175000	251000	2.06	2.38
2.	**Horticultural crops**			-							
	Vegetables	-	0.24	-	58000		130000	-	72000	-	2.24
3.	**PISCICULTURE**										
	Grow out culture (Intercropping of Java punti with Carps)	0.8 ha	1.60	98000	110000	182000	245000	84000	135000	1.85	2.22
4.	**Dairy**	**-**	(2 CB+2 desi cow)	-	95000	-	148000	-	53000	-	1.56
	Grand Total	**2.40**	**4.24**	**263000**	**445000**	**522000**	**956000**	**259000**	**511000**	**1.98**	**2.14**

Timeline of the entrepreneurship development	2 years
Technical Components of the Enterprise	Fishery, Horticultural crops and Dairy
Status of entrepreneur before and after the enterprise	**Change in production and productivity:** Shri Suresan realized a net profit of Rs. 511000.00 with an increased B:C ratio of 2.14 in comprision to earlier profit of Rs. 259000 with a B:C ratio of 1.98. It is apparent from the intervention that a change in fish production was achieved by Shri Suresan from the practice of Intercropping of Java punti along with mixed carp culture. In addition to getting the increased production from carp he got an avg. of 0.36 ton of java punti within a span of 4-5 month. Further maximum Profit was obtained from fish seed rearing followed by vegetable cultivation, grow out culture of carp and dairy enterprises. **Economic gain:** After achieving the success in fish farming, he has now planned to extend his fish cultivation area up to 6 ha from existing ha.
Present working condition of enterprise in terms of raw materials	Economically viable and other material availability in local market condition.

availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	Modified extensive farming-14 ha Pond based Farming system-another 2 units

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Pulse Research Station, Berhampur	• Provides the breeder and foundation seeds of the new varieties of the major crops of this district for multiplication and distribution to the farmers of this area. • Provides all possible technical guidance and helps in solving the problems related to pest and diseases of the crops of the area • Research results are being communicated to us for transfer of the same to the farming community. • Feed back collected from farmers on performance of research results are supplied to the RRS regularly for refinement.
District level line departments i.e. Agriculture,ATMA, Horticulture,Verterinary,Fishery, Forestry, Watershed, Minor Irrigation etc.	Member in DLTC,Convergence for different mandatory activities, collection of secondary data, identification of operational area, Prioritization of need, R-E linkage meeting, finalization of district level action plan, enterprenureship development etc.
NGOs, Prem, Sacala, Progress,Odissa etc.	As resource person for dessimination of technical knowledge
Small scale industries	Providing skill training for livelihood development
PNB(FTC)	Imparting training to farmers ,farmwomen and rural youth as resource person.
RITE	Providing support as a trainer in Agrilculture and allied sector.
CIMMYT	Hybrid Maize trial
CRRI, Cuttack	• Hyv, stress tolerant var. of Paddy
CTCRI, Regional Centre, Bhubaneswar	• Planting materials of tuber crops
CARI, Regional centre, Bhubaneswar	• Supply of Banaraja poultry bird and Khaki Campbell ducklings
NABARD	• Technical support to Farmers club .

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/bred	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicomost	-	10	E. foetida	vermi worm	20	3000	10000	
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	July 19	Dec 19	4	Swarna Sub-1	FS	130.6	100000	350000 (approximate)	

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

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

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

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

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
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
KVK	SBI	Ankushpur	32409141533
Revolving fund	SBI	Ankushpur	32431628846

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	

Greengram		0.90		0.90	00

2019.5. 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	80000	80000	80000
3	Contingencies			
A	POLs, repairs of vehicle, tractor & equipments			
B				360000
C	Meals/ refreshments for trainees			
D				270000
E	Frontline demonstration except oilseed and pulses			180000
F	On-farm Testing (on need based, location specified			90000
G				
H				
I	Other extension activities (SCSP)			200000
J	Swachhta Expenditure			1180000
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				00
C. REVOLVING FUND			200000	200000
GRAND TOTAL (A+B+C)				1558800

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)
2015-16				
2016-17				
2017-18				
2018-19	Rs. 26233.00	Rs. 457000 (Pending on OSSC)	223083.50	Rs. 41164
2019-20				

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)
Blast	Rice	-	-	30 to 40%	Tricyclozole @1gm/liter
Seath blight	Rice			10 to 20%	validamycine @2 ml /liter
Blast	Ragi	-	-	20 to 25%	Tricyclozole @1gm/liter
Tikka	Groundnut	-	-	20 to 25%	Metalaxyl + Mancozeb @ 2gm/liter
Root rot	Groundnut	-	-	10 to 15%	Metalaxyl + Mancozeb @ 2gm/liter
wilting / root rot	Tomato, chilli	-	-	20 to 30%	Metalaxyl + Mancozeb @ 2gm/liter
cercospora	Cowpea			10 to 15%	carbendazin + Mancojeb @ 2gm/liter
powdery mildew	pointed gourd			20 to 30%	COC @ 3gm/lit

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	31	20900
Livestock	4	
Fishery	5	
Weather	4	
Marketing	1	
Awareness	5	
Training information		
Other	5	
Total	55	

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	
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	15	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	10	
6. Used water for agriculture/ horticulture application		

7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner		
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	
14. No of Staff members involved in the activities	15	
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	**45**	

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	No. of Union Ministers	No. of Hon'ble MPs	No. of State Govt.	Participants (No.)	Coverage by	Coverage by

pro gra m me	attended the programme	(Loksabha/ Rajyasabha) participated	Ministe rs	MLAs Attende d the progra mme	Chairm an ZilaPan chayat	Distt. Collect or/ DM	Bank Offici als	Farmers	Govt. Official s, PRI member s etc.	Total	Door Dars han (Yes/ No)	other chan nels (Nu mber)

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning of village surroundings, roads & ponds	04	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	Meeting & interaction programme	02	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	Sri Balaji Dalai	Giria, Hinjilikat 9861113749	Crop Production
2	Sri Bijaya Kumar Patro	Padripalli Kukudakhandi 9178324914	Vegetable
3	Sri Ramesh Dalai	Giria, Hinjilikat 7008029365	Crop Production
4	Sanjee Ku Patra	Padripalli Kukudakhandi 9556766108	Vegetable
5	Ruben Ku Patro	Padripalli	Crop Production

		Kukudakhandi 9439682787	
6	Bishnu Charan Pradhan	Putipadar,Rangeilunda 9938325711	Crop Production
7	Kangali Sahu	Rajanapalli, Chatrapur 9861362564	Vegetable
8	Mohan Parihari	Rajanapalli, Chatrapur 9668797622	Crop Production
9	Sudhrshan Parihari	Rajanapalli, Chatrapur	Crop Production
10	Tapaswani Parihari	Rajanapalli, Chatrapur 9078297906	Vegetable
11	Madhuchanda Patra	Padripalli Kukudakhandi 9178324914	Vegetable
12	Durga Charan Sahu	9776405654 Hinjilikat	Vegetable
13	Pitamber Sahu	Hinjilikat	Vegetable
14	Udhab Patra	Balipada, Digapahandi 9438469217	Crop Production
15	Ranjita Patra		Vegetable
16	Ananta Pradhan		Vegetable
17	Banamal Sahu		Crop Production
18	Chandrika Sahu		Vegetable
19	Digamber Sahu		Crop Production
20	Laxmi sahu	Jharapadar, Ganjam 9439578086	Crop Production
21	Rabindra Jena	Benagohiri,Santoshpur, Ganjam 9337385789	Fishery
22	Suresan Behera	Tareipatapur, Chatrapur 9861962700	Fishery
23	Somaya Reddy	Satyanarayanpur, Rangeilunda 9938417471	Fishery
24	Balaji Ready	Jharapadar, Ganjam 8144650208	Fishery

25	Mahantra Mahoant	Bananayee, Purusottampur 9439153492	
27	Ramachandra Nahak	Sunathar, Purusottampur 9583821318	
28	Deba Palai	Humbara, Chatrapur 993859808	Fishery
29	Jitendra Ku Sahu	Indrakhi ,Rangeilunda 7377801981	Fishery
30	Tikina Behera	Gautami,Sanak hemundi 7873846281	

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 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

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
1	FPO	-	Registration is on progress	Finalization of 12 potential villages. Identification of targeted beneficiary and their membership enrollment for registration of FPO Resource mobilization for formation of FPO. Providing	vegetables	1000		

				technical knowledge, skill and inputs for scientific cultivation of vegetables, To facilitate development of management systems in FPO. For smooth functioning of business operation KVK will lialise with various marketing channels				

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.Rainfed red and laterite	Rainfed upland- Introduction of short duration HYV rice	▪ Rice varSahabhagi ▪ RDF 60:30:30 ▪ Early sowing by last week of June. ▪ Seed treatment with Vitavax power 1.5 gm/kg of seed or Trichodermaviride5gm/kg of seed	Rs.8229/-	372	
	Off season	▪ Tomato HYV var.	Rs.3058	86	

	tomato cultivation	UtkalPragyan ▪ RDF 100:50:150 ▪ Spraying of (0.2%) mancozeb 75%WP @ 2gm/lit for management of early blight ▪ Application of 6%Calcium Chloride at post harvest stage for enhancing storage life	6/-		
	Medium land- Rice fallow utilisation	▪ Cultivation of hybrid rice varRajalaxmi with RDF 120:60:60 ▪ Weed management with pre-emergence weedicide Londax power (Bensulphuronmethyl+pretilachlore)@ 10 kg/ha at 0-5 DAT	Rs.12900/-	117	
	Green gram HYV - IPM02-3/IPM 02-14	▪ Var. IPM02-3/IPM 02-14 ▪ Seed treatment with Vitavax power 1.5 gm/kg of seed or Trichodermaviride 5gm/kg of seed ▪ Seed inoculation with Rhizobium culture 20 gm/kg of seed.	Rs.11600/-	352	
	Allied activities- Home stead Cross Breed Cattle Poultry birds Mushroom cultivation	▪ Supplementation of vitamin mineral mixture@ 30 gm/meal ▪ Fodder cultivation var. Hybrid napier var. CO-4 ▪ Vanaraja poultry 10 nos with proper vaccination (Lassota+Gumber) ▪ Supplementary feeding with azolla ▪ Mushroom production of OSM-11 (20 beds/month) ▪ Blue oyster mushroom cultivation 2 bags/day	1500 3950 9000/yr	43 256 127	
	IMC spawn and fry in ponds	▪ Intercropping of Java punti @2500 nos/ha in 3 species crap culture(SD@7500 nos / ha at a ratio of 30:40:30 of Catla, Rohu and Mirgal) . Harvesting of Java punti within 4-5 months	Rs.70000/-	8	

		▪ Pond fertilization with RDC, urea & SSP ▪ Regular water quality monitoring.			
2.Rainfed Laterite	UplandRice/ Off-season vegetable-Fallow cropping system	▪ Crop diversification-High yielding sweet corn C.v-Madhuri ▪ Weed control in Maize: Pre emergence application of Atrazine @ 1-1.5kg/ha 0-3 DAS ▪ Crop diversification- Pointed gourd var. SwarnaAlaukik, planting ratio- 10:1(female: male) ▪ Recommended dose of fertilizer- 90:60:60 kg NPK/ha	15750/- 20855/-	76 47	
	Medium land Rice-pulse/oilseed cropping system	▪ Hy.Paddy-Rajalaxmi ▪ RDF in Hy. Paddy (NPK- 120:60:60) ▪ Line transplanting of paddy ▪ Weed management in paddy- Pre-emergence weedicide:- Londax power (Bensulfuron methyl+ pretilachlor) @ 10kg/ha 0-5 DAT or post emergenceByspyrabic sodium 200 ml per ha 25 DAT	13000/-	94	
		▪ Variety- IPM 02-3/ IPM 02-14 ▪ Seed treatment with Vitavex power 1.5 gm/kg of seed/ Trichodermaviride 5gm/kg ▪ Seed inoculation with Rhizobium culture 20 gm/kg of seed and 50 gmPhospoculture per one kg of seed and 0.3 gm sodium molybdate	12200/-	287	
	Groundnut-Fallow	▪ Var.Devi ▪ Seed treatment with Vitavax power 1.5 gm/kg of seed or*Trichodermaviride 5gm/kg* ▪ Application of RDFSeed inoculation with Rhizobium culture 20 gm/kg of seed ▪ Soil test based fertiliser application ▪	6600/-	I04	
	Allied activities	▪ Supplementation of			

	Home stead Cross Breed Cattle Poultry birds Mushroom cultivation	vitamin mineral mixture@ 30 gm/meal ▪ Fodder cultivation var. Hybrid napier var. CO-4 ▪ Vanaraja poultry 10 nos with proper vaccination (Lassota+Gumber) ▪ Supplementary feeding with azolla ▪ Mushroom production of OSM-11 (20 beds/month) ▪ Blue oyster mushroom cultivation 2 ▪ bags/day	1570/- 3950 Rs.9000 /-/yr	28 258 80	
	IMC spawn and fry in ponds	▪ Intercropping of Java punti @2500 nos/ha in 3 species crap culture(SD@7500 nos / ha at a ratio of 30:40:30 of Catla, Rohu and Mirgal) . Harvesting of Java punti within 4-5 months ▪ Pond fertilization with RDC, urea & SSP ▪ Regular water quality monitoring.	46000/-	6	
3.RainfedMixed Black & alluvium	<u>Up land</u> Rice /Cashew-Fallow	▪ Rice var. Sahabhagi ▪ RDF 60:30:30 ▪ Early sowing by last week of June. ▪ Seed treatment with Vitavax power 1.5 gm/kg of seed or Trichodermaviride 5gm/kg of seed	8400	137	
		▪ Regular removal of dried /dead wood of cashew plantation ▪ Training and pruning is done during August- September, the cut surfaces are smeared with Bordeaux paste ▪ Foliar spray of 50 ppm ethrel (20 days before blossoming and 20 days after full bloom	5000	26	

		▪ Application of RDF (500gmN:125gmP_2O_5:125gmK_2O)per plant.			
	Medium land Rice-pulse /Vegetablecropping system	▪ Varity: Hy.Paddy-RajalaxmiRDF in Hy. Paddy (NPK-120:60:60) ▪ Line transplanting of paddy ▪ Weed management in paddy- Pre-emergence weedicide:- Londax power (Bensulfuron methyl+ pretilachlor) @ 10kg/ha 0-5 DAT or post emergenceByspyrabic sodium 200 ml per ha 25 DAT	13300	47	
		▪ ChilliVar: Suryamukhi /DayaVar: Suryamukhi /Daya ▪ Seed treatment with Imidacloprid 17.8SL@ 7 ml per kg of seed and foliar spray of Imidacloprid 17.8SL@.5ml/liter of water twice starting from 45 DAT at 15 days interval ▪ RDF application 125:50:100 kg N: P2O5:K2O/ha ▪ Spraying of 0.125% Tricontanol and IAA 10ppm reduce flower drop and increasing fruit set. ▪	4200	135	
	Greengram	▪ Var. IPM02-3/IPM 02-14 ▪ Seed treatment with Vitavax power 1.5 gm/kg of seed or Trichodermaviride 5gm/kg of seed ▪ Seed inoculation with Rhizobium culture 20 gm/kg of seed.	11500	277	
	Allied activities Home stead Cross Breed Cattle Poultry birds Mushroom	▪ Supplementation of vitamin mineral mixture@ 30 gm/meal ▪ Fodder cultivation var. Hybrid napier var. CO-4 ▪ Vanaraja poultry 10 nos with proper vaccination (Lassota+Gumber) ▪ Supplementary feeding with azolla ▪ Mushroom production of	 2600 3950 9000	 16 54 58	

	cultivation	OSM-11 (20 beds/month) ▪ Blue oyster mushroom cultivation 2 bags/day			
	Pond based Farming system	▪ Intercropping of Java punti @2500 nos/ha in 3 species crap culture (SD@7500 nos / ha at a ratio of 30:40:30 of Catla, Rohu and Mirgal) . Harvesting of Java punti within 4-5 months ▪ Pond fertilization with RDC, urea & SSP ▪ Regular water quality monitoring.	70000	11	
4.RainfedCoastal Alluvial Saline	Up land Rice -Fallow cropping system	▪ Rice var. Sahbhagi ▪ IWM in paddy- Londax power (Bensulfuron methyl+ pretilachlor) @ 10kg/ha 0-5 DAT ▪ RDF 60:30:30 kg NPK kg/ha ▪ Early sowing of paddy by last week of June Seed treatment with Vitavax power 1.5 gm/kg of seed/ Trichodermaviride 5gm/kg	8400	476	
	Medium land Rice-pulse cropping system	▪ Hy.Paddy-Rajalaxmi ▪ RDF in Hy. Paddy (NPK- 120:60:60) ▪ Line transplanting of paddy ▪ Weed management in paddy- Pre-emergence weedicide:- Londax power (Bensulfuron methyl+ pretilachlor) @ 10kg/ha 0-5 DAT or post emergenceByspyrabic sodium 200 ml per ha 25 DAT	12000	23	
	Green gram	▪ Variety- IPM 02-3/ IPM 02-14 ▪ Seed treatment with Vitavex power 1.5 gm/kg of seed/ *Trichodermaviride 5gm/kg* ▪ Seed inoculation with Rhizobium culture 20 gm/kg of seed and 50 gmPhospoculture per one kg of seed and 0.3 gm sodium molybdate	12200	381	
	Allied activities Home Stead	▪ Azolla supplementary feed (20%) increase milk yield up to 1-1.5lit/ per day. ▪ Supplementation of vitamin	1500	7	

	Local cattle	mineral mixture@30gm/meal ▪ Fodder Cultivation var. Hybrid nippier var. CO-4			
	Poultry birds-	▪ Backyard poultry 10 nos(Vanaraja) with proper vaccination (Lassota+ Gumber) ▪ Supplementary feeding with azolla	3950	144	

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 programme	***No. of Programme***	***Activities performed***				***No. of farmers benefited***									***No. of other officials (except KVK) attended the 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***			
						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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