PROFORMA FOR ANNUAL REPORT 2020 (January 2020 to December 2020)

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

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.) Susmita Mohanty		09937789325	susmitamohant46@gmail.com

1.4. Year of sanction of KVK:

1.5. Staff Position (**as on 1st Jan, 2021)**

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 : 30440	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. 26740	01.09.2012	Permanent	Others
4	Subject Matter Specialist	Smt Sushree Choudhury	Scientist (Hort.)	Horticulture	15600-39100,GP-6000 Rs. 26740	13.6.2012	Permanent	Others
5	Subject Matter Specialist	Sri Sidhartha Sankar Das	Scientist (Fishery)	Fishery Sc.	15,600-39,100,GP-6000 Rs.23950	23.6.2012	Permanent	Others
6	Subject Matter Specialist	Mrs Kabita Mishra	Scientist (Agronomy)	Agronomy	15600-39100,GP-6000 Rs.19050	12.05.2015	Permanent	Others
7	Subject Matter Specialist	Mr Sandeep Mohanty	Scientist (Plant Protection)	Plant Protection	15600-39100,GP-6000 Rs. 21390	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. 16280	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. 6,700	15.02.2014	Permanent	Others

13.	Driver	Sri Simanchal Sahu	Driver-cum-Mechanic	-	5200-20200,GP-1900 Rs. 8580	04.07.2012	Permanent	Others
14.	Driver	Sri Rabi Narayan Mohapatra	Driver-cum-Mechanic	-	5200-20200,GP-1900 Rs. 7,970	30.05.2018	Permanent	Others
15.	Supporting staff	Sri Bisia Pradhan	Peon-cum-Watchman	-	4440-7440,GP-1300 Rs.6780	07.10.2013	Permanent	Others
16.	Supporting staff	Sri Gajendra Pradhan	Peon-cum-Watchman	-	4440-7440,GP-1300 Rs.6780	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	3
3.	Under Crops	10
4.	Orchard/Agro-forestry	1
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 bush cutter	2017	15238	Running	ICAR
Seed drill	2016	96900	Running	ICAR
HP pump (2 nos pump)	2017	65918	Running	ICAR
Rotavetor (Accemor)	2017	-	Running	ICAR
MB plough.	2017	-	Running	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	09.02.21	25	Cultivation of Faba bean as moisture stress tolerant crop.	Awareness has been created among the farmers for cultivation of Faba bean as stress tolerant crop. Demonstration will be taken up under SCSP programme with availability of seed.	
			Demonstration of super early variety green gram(Virat-IPM 25).	Green gram var. Virat-IPM 25 has been demonstrated in farmer's fields under RESILIENCE project, rabi 2020-21.	
			Groundnut var. Dharani (TCGS 1043) is to be popularized.	Demonstration on Groundnut var. Dharani (TCGS 1043) has been included in SCSP demonstration programme.	
			Emphasis should be given on package and practices of ragi cultivation. Simultaneously training has to be imparted to SHG group members on value addition of finger millet.	Assessment on ragi varieties, demonstration on its scientific cultivation has been taken up in adopted villages. Need based training with odia literature are also supported. Training has been conducted from time to time on post harvest management and value addition of finger millet.	
			Distribution	Technologies demonstrated are being	

			transferrable technology of KVK to the district in odia language.	presented before line department personnel during field days, meeting and seminar. Publication of each demonstrated technology in odia language are provided to farmers. During exhibition & farmer's fair, literatures are also distributed for its large scale dissemination.	
			Popularization of Kadaknath breed of poultry in the district.	FLD on back yard poultry var. Kadaknath will be taken up during rabi, 2020-21 in identified villages. A demonstration unit of Kadaknath has been maintained in the campus for imparting training to visiting farmers.	
			Focus on crop diversification.	Farmers are trending towards non paddy crop as evident from increase in area of pulse and oil seed cultivation in the district. CFLD on oil seeds and pulses are being conducted every year to increase area under non paddy crop.	
			Training on Lac cultivation	KVK scientists visited Lac cultivation cluster patch at village Makarajholo. Training will be provided on its package and practices to the targeted farmers.	
			Demonstration of low cost women friendly technology	Women friendly technologies such as mushroom cultivation, back yard poultry rearing, value addition, nutritional gardening, flower cultivation and use of small farm implements for drudgery reduction etc. have been popularised through FLD, OFT and training progrmme.	

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

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

Sl. no.	Item	Information
1	Major Farming system/enterprise	Paddy-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

<table>
<tr><td></td><td></td><td>Maize-Vegetable
Paddy-Mustard-Vegetable (Tomato)
Paddy- Fallow</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td><u>East & South Eastern Coastal Plain Zone</u></td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>East and South East Coastal Plain zone
<table>
<tr><th>Agro-Ecological Situation</th><th>Name of the Blocks covered</th></tr>
<tr><td>1. Coastal Irrigated Alluvium</td><td>Chikiti, Rangailunda, Chatrapur, Ganjam</td></tr>
<tr><td>2. RainfedAlluvium</td><td>Patrapur, Chikiti, Rangailunda</td></tr>
<tr><td>3. Coastal Alluvial Saline</td><td>Chikiti, Ranhgailunda, Chatrapur, Ganjam, Khallikote</td></tr>
<tr><td>4. Rainfed Laterite</td><td>Patrapur, Kukudakhandi, Sanakhemundi, Chatrapur, Hinjili, Khallikote, Polsara, Kodala, Kabisuryanagar</td></tr>
<tr><td>5. Rainfed Red and Laterite</td><td>Chikiti, Kukudakhandi, Hinjili, Khallikote, Sanakhemundi, Rangailunda, Digapahandi, Purusottampur, Kabisuryanagar</td></tr>
<tr><td>6. Mixed Black & alluvium</td><td>Ganjam, Chhtrapur</td></tr>
</table></td></tr>
<tr><td>4</td><td>Soil type</td><td>East & South Eastern Coastal Plain Zone
i) Alluvial soil-71000 ha
ii) Red soil -232000ha
iii) Saline soil -26000 ha</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others</td><td>Paddy- 43 q/ha , Maize: 27 q /ha, Greengram- 8 q / ha , Blackgram- 15 q/ha
Brinjal- 257 t /ha),Tomato: 128 t/ha
Cauliflower -147 t/ha</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>Temperature
Maximum: 42^0 C, Minimum: 14^0 C
Normal rainfall : 1206 mm</td></tr>
<tr><td>7</td><td>Production of major livestock products like milk, egg, meat etc.</td><td></td></tr>
</table>

Note: Please give recent data only

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

2.b. Details of operational area / villages (2020)

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 manageme nt green gram	➢ Varietal substitution ➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallo
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 manageme	➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution

					nt green gram	
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 manageme nt 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 manageme nt 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
6	Rangeilunda	Rangeilunda	Sana Biswanathpur	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	➢ weed management ➢ Pest & diseases management ➢ Integrated nutrient management ➢ Targeting rice fallow ➢ Varietal substitution

					management green gram	
7	Chikiti		Pannada	Rice, Ragi, 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
8			Narayanpur	Rice, Ragi, Maize, Pigeonpea, Greengram, Blackgram, 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

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2020-21) for its development and action plan

Name of village	Block	Activities taken up for development
Raijhol	Kukudakhandi	OFT, FLD, Training, field day, diagnostic field visit
Padripalli	Kukudakhandi	OFT ,FLD, Training, field day, diagnostic field visit
Dighapada	Hinjilikatu	OFT ,FLD, Training, field day, diagnostic field visit
Bhimpur	Pursotampur	OFT ,FLD, Training, field day, diagnostic field visit
Balrampur	Chhtrapur	OFT ,FLD, Training, field day, diagnostic field visit
Giria	Hinjilikatu	OFT ,FLD, Training, field day, diagnostic field visit

Putipadar(ST)	Rangeilunda	OFT ,FLD, Training, field day, diagnostic field visit
Jharapadar	Ganjam	OFT ,FLD, Training, field day, diagnostic field visit
Rajanapalli	Chhatrapur	OFT ,FLD, Training, field day, diagnostic field visit
Narayanpur(ST)	Patrapur	OFT ,FLD, Training, field day, diagnostic field visit
Panada	Chikit	OFT ,FLD, Training, field day, diagnostic field visit
Sanabiswanathpur	Rangeilunda	OFT ,FLD, Training, field day, diagnostic field visit

Achievements on technologies assessed and refined

OFT- (Agronomy)

1.	Title of On farm Trial	Assessment on chemical weed management in Blackgram
2.	Problem diagnosed	Low yield due to severe weed infestation and high cost of manual hand weeding
3.	Details of technologies selected for assessment/refinement	FP : No use of weedicide . T O_1 :Pendimethalin 30 % EC @ 1kg/ha at 3 DAS as Pre emergence T O $_{2:}$ Pendimethalin 30% EC+ Imazethapyr 2%EC premix @1.00 kg a.i/ha at 2DAS as pre emergence .
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Source: OUAT 2015-16
5	Production system and thematic area	Irrigated medium land (Rice-pulse), Weed management
6.	Performance of the Technology with performance indicators	Application of pendimethalin 30% EC+ Imazethapyr 2%EC premix @1.00 kg a.i/ha at 2DAS as pre emergence gives 57.7 per cent higher yield as well as highest weed control efficiency i.e 56.9 as compared to other treatments.
7.	Final recommendation for micro level situation	Application of pendimethalin 30% EC+ Imazethapyr 2%EC premix @1.00 kg a.i/ha at 2DAS as pre emergence recommended as best weed management practice on the basis of better weed control, crop yield,and economic indices. The better performance of combination of the herbicides might be due to synergistic effect between the two herbicides reducing the population of different weed species.
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 and Group discussion, Field Day

Thematic area: weed management

Problem definition: Low yield due to severe weed infestation and high cost of manual hand weeding.

Technology assessed:

FP : No use of weedicide
T O_1 :Pendimethalin 30 % EC @ 1kg/ha at 3 DAS as Pre emergence
T O $_{2:}$ Pendimethalin 30% EC+ Imazethapyr 2%EC premix @1.00 kg a.i/ha at 2DAS as pre emergence

Technology option	No of trials	Seed yield(q/ha)	Yield range	% increase in Yield	WCE(%)	No of pods/plant	No of seeds/plant	Cost of cultivation(Rs/ha)	Net return(rs/ha)	BCR

FP	7	4.21	2.4-4.5		--	18.35	4.89	18968.00	5029.00	1.26
TO_1		5.73	3.8-6.1	36.1	44.9	24.33	5.08	14963.00	17698.00	2.18
TO_2		6.64	4.2-7	57.7	56.88	26.92	5.12	15874.00	21974.00	2.38

Table:

OFT- (Agronomy)

1.	Title of On farm Trial	Kharif 2020 (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)	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 (2015-16)
5.	Production system and thematic area	Rainfed upland,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	Non availability of HYVs, threshing of ragi by manual method.
9.	Process of farmers participation and their reaction	Participator approach in OFT,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
FP (Budha mandia)	5	5	2.13	13.2	17460	39300	21840	2.25
TO1:Bhairabi	5	6.2	2.34	16.2	18360	48600	30240	2.64
TO2:Arjun	5	7.3	2.91	19.3	18360	57900	39540	3.15
TO3:Kalua	5	7	2.72	18.6	18360	55800	37440	3.03

OFT (Rabi2019-20) Horticulture

1.	Title of On farm Trial	Assessment of chilli varieties
2.	Problem diagnosed	Low productivity and less profit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Cultivation of F1 hybrid Daiya TO1: **(Arka Meghna):** 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:(**Arka Harita):**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, Varietal performance
6.	Performance of the Technology with performance indicators	Good performance Indicators: yield 167.2 q/ha.
7.	Final recommendation for micro level situation	By cultivation of Arka Meghna, Arka Harita 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	Participator approach in OFT, Cultivar Arka meghna is very pungent and tolerant to powdery mildew and viruses. Used for dual (fresh & dry) purpose . Mostly preferred for dry chilli and processing.

Thematic area: **Varietal performance**

Problem definition: Low productivity and less profit

Technology assessed: **Assessment of chilli varieties**

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
		Fruit length (cm)					
FP	7	9.8	142.5	208690	498700	290060	2.39
TO_1	7	16.2	167.2	209840	585200	375360	2.78
TO2	7	14.3	162.2	209740	567700	357960	2.70

OFT- (Kharf2020), Horticulture

1.	Title of On farm Trial	Assessment of tuberose cultivars
2.	Problem diagnosed	Old existing cultivar(Calcutta single) gives low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Cultivation of old existing variety Calcutta single TO1: Cultivation of variety Arka Prajawal : The flowers are white and single , with long stiff spike (120cm, 50 florets per spike) Yield potential - 20 tonnes/ha TO2: Cultivation of variety Arka Nirantar: White single flowers ,spike length is of 95-100cm, 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	Cultivar Arka Prajwal recorded maximum number of floret per spike and maximum flower yield indicators: yield 5.42 t/ha.
7.	Final recommendation for micro level situation	By cultivation of Arka Prajawal, Arka Nirantar F1 hybrid the yield increase by 15 % then the farmers cultivated variety (Calcutta single)
8.	Constraints identified and feedback for research	Old existing cultivar (Calcutta single) gives low yield. Cultivar Arka Prajwal recorded maximum number of floret per spike and maximum flower yield
9.	Process of farmers participation and their reaction	Participator approach in OFT ,Very good yield result.

Thematic area: Varietal performance

Problem definition: Old existing cultivar (Calcutta single) gives low yield-

Technology assessed: Assessment of tuberose cultivars

Table:

Technology option	No. of	Yield component		Yield	Cost of	Gross return	Net	BC ratio
		No. of	No. of floret					

	trials	spike per plant	Per spike	(t/ha)	cultivation (Rs./ha)	(Rs/ha)	return (Rs./ha)	
FP	7	3.81	20.53	4.71	151392	423900	272508	2.8
TO_1	7	5.41	31.20	5.42	164242	542000	377758	3.3
TO2	7	4.12	25.90	5.01	161612	501000	339388	3.1

OFT-1(Soil science)(rabi2019-20)

1.	Title of On farm Trial	Assessment of secondary (sulphur) and Micro (Boron) nutrient for curd quality and higher yield in cauliflower
2.	Problem diagnosed	Low curd quality and low yield due to secondary and micro nutrient deficiency.
3.	Details of technologies selected for assessment/refinement	**FP-** Low curd quality and yield due to secondary and micro nutrient deficiency **T O_1 :** STBF (NPK) + Sulphur @ 30 kg ha^{-1} + 1 kg Boron as Borax as basal application **T O_2 :** STBF (NPK) +Sulphur @ 30 kg ha^{-1} + two foliar spray Borax @ 0.25% at 10 days interval starting from 30 days after planting
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Micro and Secondary nutrients, OUAT, 2016
5.	Production system and thematic area	Vegetable-vegetable production system and INM
6.	Performance of the Technology with performance indicators	Application of STBF (NPK) + Sulphur @ 30 kg ha^{-1} + soil application of Boron @ 1 kg ha^{-1} increases the yield by 26.2%.
7.	Final recommendation for micro level situation	Sulphur is highly essential for cruciferous crops as it imparts characteristics flavour to the particular crop. Boron is also essential for high quality curd and more keeping quality of the cauliflower
8.	Constraints identified and feedback for research	curd quality detoriate due to secondary and micro nutrient deficiency, hence Sulphur and Boron applied along with application of STBF (NPK).
9.	Process of farmers participation and their reaction	Participatory approach in OFT, Group discussion, training : Application of sulphur and boron resulted highest curd yield and curd weight.

Thematic area: INM

Problem definition: Low curd quality and low yield due to secondary and micro nutrient deficiency

Technology assessed: Assessment of secondary (sulphur) and Micro (Boron) nutrient for curd quality and higher yield in cauliflower

Table:

Technology	No. of	Yield component	Yield	Cost of	Gross	Net	BC

option	trials	Curd weight (g)	Curd diameter (cm)	(q/ha)	cultivation (Rs./ha)	return (Rs/ha)	return (Rs./ha)	ratio
FP	7	519.7	4.7	191.3	118375	286954	168575	2.42
TO_1	7	662.1	5.8	241.4	124285	362100	237815	2.91
TO_2	7	648.5	5.4	235.7	123785	353550	229785	2.87

OFT- (Soil science)(rabi2019-20)

1.	Title of On farm Trial	Assessment of integrated nutrient management on yield enhancement of green gram
2.	Problem diagnosed	Low productivity due to improper nutrient management
3.	Details of technologies selected for assessment/refinement	**FP-** Application of chemical fertilizer (15:40:0 Kg N: P_2O_5 :K_2O /ha) only **T O_1 :** 100% STBF + FYM @5t ha^{-1} **T O_2 :** 100% STBF + FYM@5t ha^{-1}+ Rhizobium seed treatment@20g kg $^{-1}$seed+ Soil application of PSB @ 4 kg ha^{-1} **T O_3 :** 100% STBF + FYM@5t ha^{-1} + Lime @5q ha^{-1} + Rhizobium seed treatment@20g kg $^{-1}$seed+ Soil application of PSB @ 4 kg ha^{-1}
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AINP on soil biodiversity- Biofertilizers, 2017
5.	Production system and thematic area	Rice-Pulse production system and INM
6.	Performance of the Technology with performance indicators	INM based on STBF and seed treatment with Rhizobium along with soil application of PSB and lime enhance the green gram yield by 41%.
7.	Final recommendation for micro level situation	Integration of bio-fertilisers to STBF of fertilisers and FYM increases the yield by 22%. Application of lime @ 5q ha^{-1} along with biofertilizers increases yield by 41 %
8.	Constraints identified and feedback for research	Low productivity due to improper nutrient management and INM based on STBF and seed treatment with Rhizobium is necessary
9.	Process of farmers participation and their reaction	Participatory approach in OFT, Group discussion, training : application of soil test based NPK, biofertiliser along with lime increases yield

Thematic area: INM

Problem definition: Low productivity due to improper nutrient management

Technology assessed: Assessment of integrated nutrient management on yield enhancement of green gram

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					
FP	7	10.7	5.1	21275	35955	14680	1.69
TO_1	7	13.9	6.0	23890	42300	18140	1.77
TO_2	7	14.6	6.3	24350	44415	20065	1.82
TO_3	7	17.0	7.2	26850	50760	23960	1.89

OFT- (Plant Protection)

1.	Title of On farm Trial	Assessment of Integrated disease management practices for Collar rot in Beetle vine
2.	Problem diagnosed	Rotting disease, poor lusture. Low profitability
3.	Details of technologies selected for assessment/refinement	T O1 : Planting material treatment with Trichoderma viridae@ 2g/lt at the time sowing and need base alternative spraying of chlorothalonil 75% wp (Kavach) @ 1.5 gm/lt. and carbendazim 2 gm/lt at 15 days interval. T O 2 : Planting material treatment with Tebuconazole @ 1.5 g/lt followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval .
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TNAU, Annual report 2015-16
5.	Production system and thematic area	Irrigated medium land , vegetable- vegetable cropping pattern,Integrated Disease management
6.	Performance of the Technology with performance indicators	Planting material treatment with Tebuconazole @ 1.5 g/lt followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval will increase beetle vine production.
7.	Final recommendation for micro level situation	Planting material treatment with Tebuconazole @ 1.5 g/lt followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval .
8.	Constraints identified and feedback for research	In trial $T O_1$ some rotting problems occur after 25 DAS In trial $T O_2$ leaf lusture quality are looking good and no rotting problems occurs in 40 DAS , 65 DAS and 80 DAS.
9.	Process of farmers participation and their reaction	On Farm Trial throughFSRE approach

Thematic area: IDM

Problem definition: Rotting disease, poor lusture. Low profitability

Technology assessed: Planting material treatment with Tebuconazole @ 1.5 g/lt followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval .

Table:

RESULTS	Yield (q/ha)	Yield range	% increase in Yield	No. of affected plants/100m2	Gross cost	Gross return	Net return	B:C Ratio
FP	Continuing							
TO_1								
TO2								

OFT- (Plant Protection)

1.	Title of On farm Trial	Assessment of BPH control by chemical management in Rice
2.	Problem diagnosed	Chaffy grain. low yield
3.	Details of technologies selected for assessment/refinement	T O_1 : Application of Acephate + Imidacloprid @ 1.5 kg/ ha will spray at initiation of BPH infestation T O_2 : Application of Flubendiamide 4% +Buprofezin 28% @700 ml/ha will spray at initiation of BPH infestation
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT, BBSR, Annual Report 2016-17
5.	Production system and thematic area	Rainfed medium land,Rice – Pulse and Pest management
6.	Performance of the Technology with performance indicators	After application of Flubendiamide 4% + Buprofezin 28% @700 ml/ha yield increases 45.6 q/ha
7.	Final recommendation for micro level situation	Application of Flubendiamide +Buprofezin is better performance, new generation pesticides .
8.	Constraints identified and feedback for research	Flubendiamide +Buprofezin is available easily in the district and more effective for BPH control.
9.	Process of farmers participation and their reaction	Participatory approach in OFT, satisfied with performance of this technology.

Thematic area: Pest management

Problem definition: Chaffy grain. low yield

Technology assessed:. BPH control by chemical management in Rice

Table:

RESULTS	Yield (q/ha)	Yield range	% increase in Yield	Parameter No of BPH/m2	Gross cost	Gross return	Net return	B:C Ratio
FP	38.7	Min: 34.5 Max: 41.1		21	42800	69660	26860	1.62
TO_1	42.3	Min: 41.1 Max: 45.1	9.30	07	44500	76140	31640	1.71
TO2	45.4	Min: 43.1 Max: 48.3	14.7	02	45200	81720	36520	1.80

OFT- (Home Sc)

1.	Title of On farm Trial	OFT-Assessment on management of competitor moulds in paddy straw mushroom
2.	Problem diagnosed	No control of moulds
3.	Details of technologies selected for assessment/refinement	FP : Pre soaking of paddy straw bundle in water for 10 to 12 hours. T O $_1$:Pre soaking of paddy straw bundle with 0.02% of bleaching powder for 6 hours T O $_2$: Presoaking of Paddy straw with 1% calcium carbonate for 6 hours
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ACRIP on mushroom, CTMRT, OUAT, Bhubaneswar,2014
5.	Production system and thematic area	Household, Mushroom cultivation
6.	Performance of the Technology with performance indicators	Presoaking of paddy straw with 1% calcium carbonate for 6 hours resulted in 77% control of coprinus spp. incidence as compared to farmers practice.
7.	Final recommendation for micro level situation	Farmers should practice presoaking of paddy straw in 1% calcium carbonate for 6 hours for mushroom cultivation as a control measure for competitor mould incidence.
8.	Constraints identified and feedback for research	This technology is low cost & feasible .
9.	Process of farmers participation and their reaction	On Farm Trial with FSRE approach and interested to adopt it.

Thematic area: Mushroom cultivation

Problem definition: No control of moulds

Technology assessed:**.**

Table:

Results	Intensity of coprinus spp.(%)	Yield in kg/bed	Yield range	Gross return	Net return	B:C Ratio
FP	36	0.61	0.46-0.85	109	44	1.67
TO_1	21	0.94	0.86-1.23	169	104	2.6

TO_2	8	1.1	0.95-1.2	198	133	3.04

OFT-Fishery

1.	Title of On farm Trial	Assessment of different Parasiticidal agents in controlling external parasites in grow-out carp culture system	
2.	Problem diagnosed	Indiscriminate use of Organic fertiliser and environmental temperature variation leads to infestation of external crustacean parasites.	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**FP**	Use of Formalin for controlling the disease
		TO_1	Pond application of Synthetic Pyrethroid like Deltamethrin (Deltaguard) 2.8% @ 80ml/Acre-mt (4 times in weekly interval
		TO_2	Application of Ivermectin (Paracure IV) @ 50 µg/Kg^{-1} fish through feed.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIFA (APR)-2015/16	
5.	Production system and thematic area	Pond Based, Production and management	
6.	Performance of the Technology with performance indicators	Both the Pyrethroids and Avermectin group are at par in controlling Argulous in Pond. **TO_2** showed significant recovery of **89.33**±3.83 with a increase in yield of 26.42% against TO_1 of **82.33**±2.75 with an increase in yield of 20.50%.	
7.	Final recommendation for micro level situation	Both the Pyrethroids and Avermectin group are at par in controlling Argulous in Pond.	
8.	Constraints identified and feedback for research	Total killing of zooplankton occurs in case of Pyrethroid application, so proper post application measures shall be taken for plankton production in fish culture pond.	
9.	Process of farmers participation and their reaction	Very good to achieve better disease control and yield result.	

Thematic area:

Problem definition: Indiscriminate use of Organic fertiliser and environmental temperature variation leads to infestation of external crustacean parasites.

Technology assessed: Assessment of different Parasiticidal agents in controlling external parasites in grow-out carp culture system

Table:

Results	Yield Parameter	Water parameters	Gross Return	Net	BC

	Yield q/ha	% of infestation	% of Recovery	% change in yield	pH	Plankton (ml)	DO	Rs/ha	Return Rs/ha	Ratio
FP	23.80±3.22	72.0±2.12	-		7.80	2.00	5.6	260000	110000	1.73
TO_1	28.68±2.85	60.67±2.65	82.33±2.75	20.50	7.80	2.30	5.7	315000	149000	1.89
TO_2	30.09±3.28	63.0±3.25	89.33±3.83	26.42	8.00	2.35	5.8	330000	167000	2.02

OFT-Fishery

1.	Title of On farm Trial	Assessment of Soil and water Probiotics as remedial measures for pisciculture in problematic waters	
2.	Problem diagnosed	Undesirable water characters such as high alkalinity, hardness and bloom formation leading to low pond productivity.	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP	No measures for water quality
		TO_1	Application of Water probiotic @ 1kg/Ac at fortnight interval.
		TO_2	Application of Soil Probiotic @ 1lt/Ac at Fortnight interval.
		TO_3	Alternative application of both soil and water probiotic at fortnight interval.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR Technology Repository (CIBA-2016)	
5.	Production system and thematic area	Pond Based, Production and management	
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 18.72% (30.41 q/ha) than farmers practice (25.62 q/ha). Maintenance of Optimum water Quality	
7.	Final recommendation for micro level situation	Alternative application of both Soil and Water Probiotics yielded better results but at par with soil probiotic application. Water parameters are within the range Good Plankton level (avg. 2.65ml), Alkalinity and pH.	
8.	Constraints identified and feedback for research	Quality source of Probiotics and its strain	
9.	Process of farmers participation and their reaction	Very good to achieve better yield result in a good water quality	

Thematic area:

Problem definition: High alkalinity and bloom formation hinders natural pond productivity and hence low yield

Technology assessed: Assessment of Soil and water Probiotics as remedial measures for pisciculture in problematic waters

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	Alkalinity (PPM)	Hardness (PPM)				
			C	R	M										
FP	05	25.62	0.80	0.70	0.58	60	7.10	1.70 ml	5.5	162.8	110.0		191900	62250	1.48
TO_1	05	27.92	0.82	0.72	0.58	72	7.40	1.90 ml	5.6	143.5	98.7	8.97	276400	107850	1.64
TO_2	05	28.85	0.90	0.75	0.65	74	7.75	2.40 ml	5.5	138.0	91.3	12.60	292700	134500	1.85
TO_3	05	30.41	0.98	0.76	0.69	78	7.85	2.70 ml	5.7	125.0	85.6	18.69	308200	147700	1.92

OFT-Fishery

1.	Title of On farm Trial	Assessment of different Parasiticidal agents in controlling external parasites in grow-out carp culture system	
2.	Problem diagnosed	Indiscriminate use of Organic fertiliser and environmental temperature variation leads to infestation of external crustacean parasites.	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP	Use of Formalin for controlling disease
		TO_1	Pond application of Synthetic Pyrethroid like Deltamethrin (Deltaguard) 2.8% @ 80ml/Acre-mt (4 times in weekly interval
		TO_2	Application of Ivermectin (Paracure IV) @ 50 µg/Kg^{-1} fish through feed.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIFA (APR)-2015/16	
5.	Production system and thematic area	Pond Based, Production and management	
6.	Performance of the Technology with performance indicators	Both the Pyrethroids and Avermectin group are at par in controlling Argulous in Pond. **TO_2** showed significant recovery of **89.33**±3.83 with a increase in yield of 26.42% against TO_1 of **82.33**±2.75 with an increase in yield of 20.50%.	
7.	Final recommendation for micro level situation	Both the Pyrethroids and Avermectin group are at par in controlling Argulous in Pond.	
8.	Constraints identified and feedback for research	Total killing of zooplankton occurs in case of Pyrethroid application, so proper post application measures shall be taken for plankton production in fish culture pond.	
9.	Process of farmers participation and their reaction	Very good to achieve better disease control and yield result.	

Thematic area:

Problem definition: Indiscriminate use of Organic fertiliser and environmental temperature variation leads to infestation of external crustacean parasites.

Technology assessed: Assessment of different Parasiticidal agents in controlling external parasites in grow-out carp culture system

Table:

Results	Yield Parameter	Water parameters	Gross Return	Net	BC

	Yield q/ha	% of infestation	% of Recovery	% change in yield	pH	Plankton (ml)	DO	Rs/ha	Return Rs/ha	Ratio
FP	25.20±3.12	74.0±2.12	-		7.60	2.20	5.80	254000	102810	1.68
TO_1	29.58±2.85	63.58±2.85	85.30±2.92	17.38	8.0	2.30	5.7	292000	131560	1.82
TO_2	31.29±3.28	64.20±3.25	89.63±3.25	24.16	8.20	2.45	6.0	318000	154923	1.95

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Groundnut	Weed management	Demonstration Of herbicides in weed management in Groundnut	2ha	2ha	3			1	4	2	7	3	10	
2	Sunflower	Varietal Replacement	Demonstration of sunflower hybrid LSFH-171	2ha	2ha	3	2	1	1	2	1	6	4	10	
3	Rice	Weed management	Demonstration of herbicide in Rice	2ha	2ha	2		1	1	3	3	6	4	10	
4	Rice	Varietal Replacement	Demonstration of High yielding rice variety Pratibha	2ha	2ha	2	1	3	1	2	1	7	3	10	
5	Tomato	Varital Performance	Demonstration of tomato variety- Arka Rakshak	1ha	1ha	2		1		7				10	
6	Marigold	INM	Demonstraion of Foliar Spray of Micronurient in Marigold	1ha	1ha	2		2		6				10	
7	Cowpea	Varietal substitution	Demonstration on cowpea variety- Kashi Kanchan	1ha	1ha	3		4		3				10	
8	Tomato	Varital Performance	Demonstration of tomato variety- Arka Rakshak	1ha	1ha	5		3		2				10	
9	Marigold	INM	Demonstraion of Foliar Spray of Micronurient in Marigold	1ha	1ha	4		2		4				10	
10	Onion	Varital Performance	Demonstration on onion variety- Arka Yojit	0.4ha	0.4 ha	0		1		4				5	

11	Tomato	INM	Demonstration on consortia biofertiliser application in tomato	1ha	1ha	Cont.								10	
12	Groundnut	INM	Demonstration on INM in groundnut	1ha	1ha	Cont.								10	
13	Sunflower	INM	Demonstration on acid soil management in sunflower	1ha	1ha	Cont.								10	
14	Tuberose	INM	Demonstration on integrated nutrient management in tuberose	0.2ha	0.2ha	Cont.								10	
15	Tomato	INM	Demonstration on consortia biofertiliser application in tomato	1ha	1ha	Cont.								10	
16	Chilli	INM	Demonstration on integrated nutrient management in chilli	1ha	1ha	Cont.								10	
17	Sunflower	INM	Demonstration on acid soil management in sunflower	1ha	1ha	Cont.								10	
18	Rice	Disease Management	Demonstration on management of Blast disease in Rice	2	2	0	0	0	0	10	0	10	0	10	
19	Groundnut	Integrated disease management	Demonstration of chemical management practices for Collar rot disease in rabi Groundnut	2	2	0	0	0	0	10	0	10	0	10	
20	Sunflower	Pest management	Demonstration of tobacco caterpillar management in sunflower	2	2	0	0	0	0	0	0	10	0	10	
21	Cashewnut	Pest management	Demonstration of chemical management against T mosquito bug in cashewnut	2	2	0	0	0	0	0	0	10	0	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Groundnut	Rabi	Irrigated	Sandyloam	162.3	16.3	131.6	Rice	15.01.2021	27.04.2020		
Sunflower	Rabi	Irrigated	Loamy	193.7	18.8	127.5	Vegetable	22.01.2020	17.04.2020		
Rice	Kharif	RF	Clayloam	148.3	14.2	133.8	Pulse(Greengram ,blackgram)	20.06.2020	03.11.2020		
Rice	Kharif	RF	Clay loam	145.2	14.8	137.2	Oilseed,pulse(greengram,Sesame)	15.07.2020	22.10.2020		
Tomato	Rabi 2019-20	Irrigated	Sandy loam	146.5	12.8	162.6	Rice	2.11.2019	16.1.2020		
Marigold	Rabi 2019-20	Irrigated	Sandy loam	161.1	15.4	148.9	Brinjal	25.11.19	9.1.2020		
Cowpea	Kharif 2020	Rainfed	Sandy loam	138.5	12.3	167.3	Tomato	17.7.2020	11.9.2020		
Tomato	Rabi 2020-21	Irrigated	Sandy loam	137.	2.6	143.0	Rice	15.11.2020	30.1.2021		
Marigold	Rabi2020-21	Irrigated	Sandy loam	145.7	14.06	138.9	Brinjal	30.11.2020	19.1.2021		
Onion	Rabi 2020-21	Irrigated	Sandy loam	146.5	12.8	162.6	Rice	16.12.2020	5.2.21		
Tomato	Rabi 2019-20	Irrigated	Sandy loam	145.7	14.06	138.9	Rice	7.11.2019	21.1.2020		
Groundnut	Rabi 2019-	Irrigate	Sandy	137.6,	12.6	143.0	Rice	7.1.2020	2.5.202		

	20	d	loam						0		
Sunflower	Rabi 2019-20	Irrigated	Sandy Clay Loam	152.5	15.3	174	Rice	10.1.2020	8.4.2020		
Tuberose	Kharif2020	Irrigated	Sandy Clay Loam	217.4	15.4	163.9	**Tuberose**	6.6.2020	3.10.2020		
Tomato	Rabi2020-21	Irrigated	Sandy loam	145.7	14.06	138.9	**Rice**	12.11.2020	28.1.2021		
Chilli	Rabi2020-21	Irrigated	Sandy loam	146.5	12.6	148.9	**Rice**	15.12.2020	17.2.2021		
Sunflower	Rabi2020-21	Irrigated	Sandy Clay Loam	152.5	15.3	174	**Rice**	14.1. 2021			
Rice	Kharif 20	Rainfed	Clay Loam	152.6	14.32	142.3	Fallow	07.07.2020	02.12.2020		
Groundnut	Rabi 20-21	Irrigated	Sandy loam	150.3	15.53	167.8	Pulse	18.12.20201	-		
Sunflower	Rabi 20-21	Irrigated	Loam	141.2	13.37	152.5	Pulse	12.01.21	-		
Cashewnut	Rabi 20-21	Irrigated	Sandy loam	152.4	16.54	162.7	-	Ten years old orchard			

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

Groundnut	Weed management	Demonstration Of herbicides in weed management in Groundnut	10	2ha	22.95	18.66	23	38,851	1,10,160	71,309	2.83	43,244	89,568	46,324	2.06
Sunflower	Varietal Replacement	Demonstration of sunflower hybrid LSFH-171	10	2ha	18.2	13.8	31.9	36,542	1,02,830	66,288	2.81	32,247	77,970	45,723	2.41
Groundnut	INM	Demonstration on INM in groundnut	10	1ha	23.16	18.74	23.6%	46650	1,17,884	71,234	2.53	43150	95387	52,237	2.21
Sunflower	INM	Demonstration on acid soil management in sunflower	10	1ha	18.47	13.46	37.22	35700	104355	68655	2.92	29900	76049	46149	2.54
Groundnut	Integrated disease management	Demonstration of chemical management practices for Collar rot disease in rabi Groundnut	10	2	Cont .										
Sunflower	Pest management	Demonstration of tobacco caterpillar management in sunflower	10	2	Cont.										
Total															

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

Pulses

Frontline demonstration on pulse crops

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

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	Weed management	Demonstration of herbicide in Rice	10	2ha	42.89	35.12	26.44			37,587	65,053	27,468	1.73	41,236	51,450	10,214	1.24
Rice	Varietal Replacement	Demonstration of High yielding rice variety Pratibha	10	2ha	43.37	34.3	22.12			42,654	64,335	21,681	1.50	39,936	52,680	12,744	1.31

Tomato	Varital Performance	Demonstration of tomato variety- Arka Rakshak	10	1ha	412.5	350.3	17.75 %	61.2 (No of fruit/plant. 8% wilting	41.6 24% wiltin g	137500	453750	316250	3.3	121257	315270	194013	2.6
Marigold	INM	Demonstraion of Foliar Spray of Micronurient in Marigold	10	1ha	114.4	95.9	19.29 %	6.03 cm (Flower Diameter)	4.17 cm	184516	572000	38748 4	3.1	177759 2	479500	301908	2.7
Cowpea	Varietal substitution	Demonstration on cowpea variety- Kashi Kanchan	10	1ha	119.4	102.1	16.94 %	66.24cm plant height(cm)	83.44 cm	96350	239920	143570	2.49	92230	204020	111790	2.20
Tomato	Varital Performance	Demonstration of tomato variety- Arka Rakshak	10	1ha	Cont.												
Marigold	INM	Demonstraion of Foliar Spray of Micronurient in Marigold	10	1ha	Cont												

Onion	Varital Performance	Demonstration on onion variety- Arka Yojit	5	0.4 ha	Cont												
Tomato	INM	Demonstration on consortia biofertiliser application in tomato	10	1ha	415.7	336.6	23.5	82.6 Fruit wt. (g)	76.2	1,24,500	3,74,130	2,49,630	3.01	1,20,200	3,02,940	1,82,740	2.52
Groundnut	INM	Demonstration on INM in groundnut	10	1ha	23.16	18.74	23.6 %	24.0 No. of pods/plant	19.6	46650	1,17,884	71,234	2.53	43150	95387	52,237	2.21
Sunflower	INM	Demonstration on acid soil management in sunflower	10	1ha	18.47	13.46	37.22	17.95 Capitulum diameter (cm)	13.51	35700	104355	68655	2.92	29900	76049	46149	2.54
Tuberose	INM	Demonstration on integrated nutrient management in tuberose	10	1ha	5.92t/ha	4.72t/ha	25.4 %	39.58 No. of floret Per spike	31.79	219300	592000	373550	2.70	194150	472000	278558	2.43

Tomato	INM	Demonstration on consortia biofertiliser application in tomato	10	1ha	Cont												
Chilli	INM	Demonstration on integrated nutrient management in chilli	10	1ha	Cont												
Sunflower	INM	Demonstration on acid soil management in sunflower	10	1ha	Cont												
Rice	Disease Management	Demonstration on management of Blast disease in Rice	10	2	Cont.												

Cashewnut	Pest management	Demonstration of chemical management against T mosquito bug in cashewnut	10	2	Cont.													
Total																		

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(var. Kadaknath)	Backyard poultry	Demonstration on low input poultry breed Kadaknath in Backyard	17	200	Meat yield in kg/year-2.2 No. of eggs/year-93	Meat yield in kg/year-1.65 No. of eggs/year-45	26 105	-	-	1000	3460	1960	3.46	500	720	220	1.44
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	Grow-out Production & management	Yearling stocking in community pond	05	05	Yield-42.0q/ha	Yield-31.70q/ha	Survivility-19% Yield-32.50%	Catla-1.15g, Rohu-0.90g Mrigal-0.70g, Survival-94% pH:8.0, DO-5.5 Plamkton-2.3ml	Catla-0.98g, Rohu-0.70g Mrigal-0.55g, Survival-75%, pH:8.2, DO-5.7 Plamkton-2.1ml	210000	445000	235000	2.12	175000	325000	150000	1.85
Carps	Species diversification	Grow-out production through substitution of Mrigal by Amur Carp	10	10	Yield-32.21q/ha	Yield-23.22q/ha	Fish Yield 38.73%	Catla-0.89Kg, Rohu-0.70Kg Mrigal-0.50Kg,Amur-0.91Kg, Survival-75% pH:7.80, DO-5.7 Plamkton-2.20ml	Catla-0.86Kg, Rohu-0.72Kg, Mrigal-0.58Kg Survival-60% pH:7.20, DO-5.5 Plamkton-1.70ml	132000	297000	165000	2.25	120000	218000	98000	1..81

Fish+Poultry+ Vegetable	Pond based farming System	Fish (carp) along with Livestock (Poultry) and vegetable farming system	03	03	Fish Yield-33.25q/ha Veg-4.2q Poultry meat-72Kg, Egg-340 Nos. & Continuing	Fish Yield-29.10q/ha	Fish Yield 14.26 %	Survival-75% pH:7.80, DO-5.8 Plamkton-2.00ml	Survival-68% pH:7-9 Plamkton-1.8ml	162500	347000	184500	2.13	1,35,000	2,60,000	125000	1.92
Fish	Post harvest mgmt.	Demonstration on Use of Insulated fish bag to preserve quality of Fish	09	09	Organoleptic parameters (Taste, Odour, Flavor, Colour, Texture); TVBN, Temp.	Organoleptic parameters (Taste, Odour, Flavor, Colour, Texture); TVBN, Temp.	COnt…	COnt…	COnt…	COnt…	COnt…	COnt…	COnt…	COnt…	COnt…	COnt…	COnt…

* 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	Cultivation of oyster mushroom (var.Pleurotus ostreatus)	10	2	Yield in kg per bed-1.95	Yield in kg per bed-1.6	21	-	-	50	117	67	2.34	50	96	46	1.92
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	LSFH-171	10	1ha	18.47	13.46	37.22	35700	104355	68655	2.92
Sesame	Kadri-6	10	1ha	23.16	18.74	23.6%	46650	1,17,884	71,234	2.53
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato	Arka Rakshak	10	1ha	412.5	350.3	17.75 %	137500	453750	316250	3.3
Chilli	Arka Harita	7	0.4ha	167.2	142.5		164242	542000	377758	3.3
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Groundnut	Application of Oxyflourfen 23.5 EC@ 0.2 kg/ha at 2DAS followed by early post emergence spray of imazethapyr 100g/ha at 15 DAS was proved practically more convenient and economically best feasible weed management prat*ctice* for groundnut considering the present condition of scarcity and high cost of labours, quality of weed control, yield and B:C ratio of cultivation of groundnut
2	Sunflower	The FLD made positive and significant impact on yield enhancement of sunflower by 31.9 per cent. The farmers were motivated by results of improved hybrid and agrotechnologies applied in the FLDS and it is expected that they would adopt these technologies in the coming years
3	Rice	The cultivation of rice variety Pratibha with improved technologies has been found more productive and grain yield might be increased up to22.12 per cent. The existing HYV of rice MTU 1001 can be replaced with HYV Pratibha because of higher productivity and income
4	Rice	Post emergence application of Bispyribac + almix @ 20 + 4 g ha-1 is a good weed management practice for effective control of narrow, broad leaved and sedges weeds very effectively resulted into higher value of weed control efficiency(84.3%) maximizing productivity of rice(43.37q/ha) It is recommended in transplanted rice for controlling predominant weeds and to reduce the labour cost involved in manual hand weeding which is tedious, expensive and time-consuming, hence it cannot be practicable on a large scale.
5	Tomato	Triple disease resistant tomato F_1 hybrid Arka Rakshak Successfully withstood against to LCV, (tomato leaf curl virus) BW (bacterial wilt) & EB (early blight.)
6	Marigold	By spray of micronutrient plant growth and development is more, and this leads to increase in quantity and quality of flower.
7	Cowpea	Farmers are satisfied with the yield potential as well as reduction in gross cost by cultivation of bushy type cowpea var. Kashikanchan
8	Tomato	Microbial consortia promotes vegetative growth by active cell division, cell elongation and increases the yield of vegetable crops by 9.5- 41.0%.
9	Groundnut	Application of sulphur increased the uptake of macro and micronutrients, formation of plant proteins, chlorophyll, improves root growth. Boron increases the shoot length, number of internodes, number of leaves and also yield.
10	Sunflower	Application of lime along with STBF and bio-inoculant (azotobacter and azospirillum)@10 kg/ha significantly increases the seed yield of sun flower
11	Tuberose	Application of 75% STBF +FYM 1kg/m^2 + Vermicompost (300g/m^2)+2g/plant Azospirillum + 2g/plant PSB increases yield and quality of flower
12	Rice	Application of flubendiamide + buprofezin are easily available in market and more effective to control BPH in rice.
13	Groundnut	Seed treatment by Tebuconazole , furrow & basal application of t. viride at 40DAS & 2 spray of Tebuconazole in 15

		days interval has given better performance than seed treatment by Carboxin + Thiram followed by spraying of Chlorothalonil & Carbendazim.
14	Sunflower	The FLD made positive and significant impact on yield enhancement of sunflower by 21 per cent. The farmers were motivated by results of Diclhlorovos to control tobacco caterpillar in sunflower.
15	Cashewnut.	After application of lamda cyhalothrin in flushing stage, malathion in flowering stage and using of profenofus at fruiting stage are giving better result to control Tea mosquito bug in cashewnut.
16	Poultry	Rearing of kadaknth poultry is remunerative approx. 144% increase in income than desi bird.
17	Fish (Carp)	Increase in Yield by 32.5% by Yeaarling stocking
18	Fish (Carp)	Increase in yield by 38.73% through substitution of Mrigal by Amur carp
19	Pond Based Farming System	Additional Veg-4.2q, Poultry meat and egg with increased B:C ratio of 2.13 achieved.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
Agronomy					
1.	Field days	13.10..2020(Narayanpur),17.10.2020(Kishorechandrapur),16.04.2020(Kutharisingh),19.04.2020(Rajanapalli)	4	100	4 no.of field day conducted under different 4 no.of FLDs of Agronomy discipline
2.	Farmers Training	22.09.2020	1	25	1 no. of trainings conducted related to 1 no. of FLDS OF Agronomy discipline
3.	Media coverage		1		
4.	Training for extension functionaries				
Horticulture					
1.	Field days	4.1.2020, 23.1.2020, 17.8.2020, 2.3.2021, 3.3.2021, 9.3.2021	6	15*6=90	6 no.of field day conducted under different FLDs of horticulture discipline
2.	Farmers Training	28.8.20, , 20.10.20, 23.11.20, 28.12.2020,	4	100	04 nos of F/FW trg under FLD programme related to FLD programme of Horticulture

3.	Media coverage		2	Mass	E-Tv Annadata Prog
4.	Training for extension functionaries	24.2.2021 ,4.3.2021	2	2*10=20	2 nos IS training
Soil Science					
1.	Field days	4.1.2020,15.2.2020, 6.3.2020, 14.8.2020 2.3.2021 9.3.2021	6	15*6=90	6 no.of field day conducted under different FLDs of Soil Science discipline
2.	Farmers Training	25.8.20, 5.10.20, 7.12.2020, 30.12.20,	4	100	04 nos of F/FW trg under FLD programme related to FLD programme of Soil Science
3.	Media coverage		1	Mass	E-Tv Annadata Prog
4.	Training for extension functionaries	22.2.2021, 1.3.2021	2	2*10=20	2 nos IS training
Plant Protection					
1.	Field days	23.2.20 ,21.3.20, , 21.8.20	3	20*3=60	3 no.of field day conducted under different 3 no.of FLDs of plant protection discipline
2.	Farmers Training	2.8.20, 1.9.20, 11.10.20	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	24.12.2020, 26.02.2021, 03.03.2021	03	30	03 nos Field days Organised
2.	Farmers Training	21.11.2020,24.11.2020, 24.12.2020, 04.01.2021	04	100	04 nos of F/FW trg under FLD programme
3.	Media coverage	11.11.2020, 15.12.2020	02	Mass	E-Tv Annadata Prog
4.	Training for extension functionaries				
	Home science	9.12.2020.16.12.2020	01	25	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2020 and Rabi 2020-21:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (q/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	TARM-1	5.3	-	-	10	Improved seeds (IPM 02-14), Seed treatment with(Trichoderma Viridae) @ 5gm/kg seed , spraying of Propaquizalophos 750 ml / Ha for controll weeds, spraying of N-P-K(19-19-19) for better flowering & growth, Spraying of indoxacarb @ 1 ml/ lt of water for controlling pod borer problems	27	10	7.3	5.1	6.5			

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	Improved seeds (IPM 02-14), Seed treatment with(Trichoderma Viridae) @ 5gm/kg seed , spraying of Propaquizalophos 750 ml / Ha for controll weeds, spraying of N-P-K(19-19-19) for better flowering & growth, Spraying of indoxacarb @ 1	12900	26500	13600	2.05	13600	32500	18900	2.38

	ml/ lt of water for controlling pod borer problems								

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	15160	544	50	355	115	farmers utilised the income for their future farm activities	30

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							

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. : 3.71 g. & PLANT HEIGHT : 53-59 CM	22.64 % increase over local check.	farmers are interested to cultivate the variety in future due to higher yield than local & resistant to some disease 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		25
2.	Field Day on Greengram Cultivation		20
3	Field Day on Greengram Cultivation		20

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

GREENGRAM

SEED DISTRIBUTION

GROUP DISCUSSION

FIELD VISIT

		
SPRAYING OF PESTICIDES	**FIELD DAY**	**HARVESTING**

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram (Rabi 2019-20)	i) Critical input		78100.00	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Training + Field Day)		3475.00	
	iv)Publication of literature(flex) + Booklet+ Misc		7225.00	
	Total (88,000.00)	**88,000.00**	**88,000.00**	**Nil**

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		
Nila dalai	Gangadhar Dalai	B.Sharadhapur	Patrapur	8763873476				Yes	DAP – 108.7 kg, Urea – 11.8 kg, MOP – 33.3 kg	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N-P-K & Spraying of Pesticides	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Rukuna Dalai	Satya Dalai	B.Sharadhapur	Patrapur	7653933115				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %

										N								
Chandramani Dalai	Chandrama Dalai	B.Sharadhapur	Patrapur	8895199244				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64%
Rita Dalai	Bhaskar Dalai	B.Sharadhapur	Patrapur	8895919488				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64%
Chandrama Dalai	Chakrapani Dalai	B.Sharadhapur	Patrapur	8280971962				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64%
Sita Jani	Laxman Jani	B.Sharadhapur	Patrapur	8280971962				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64%

Jhunu Dalai	Satya Dalai	Titigaon	Patrapur	8763416305				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %
Brumdaban Dalai	Kanhu Dalai	Titigaon	Patrapur	8280971962				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Nilambar Dalai	Ghana Dalai	Titigaon	Patrapur	7655009017				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Jogi Dalai	Hadiya Dalai	Titigaon	Patrapur	8280857269				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %
Trinath	Biswamba	Titigao	Patra	82809				Yes	DAP – 106.5 kg, Urea –	Seed ,	IPM	10	7	5	6	5.	22.

Dalai	r Dalai	n	pur	71962					12 kg, MOP – 34kg	Seed treatment , Spraying of Weedcides,Spraying of liquid N	02-14		.3	.1	.5	3	64%
Shyama Dalai	Jagannath Dalai	Titigaon	Patrapur	94382 51789				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64%
Dhanu Dalai	Ghana Dalai	Titigaon	Patrapur	82809 71962				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64%
Gobinda Dalai	Shyama Dalai	Titigaon	Patrapur	84805 09045				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64%
Purna Chandra	Shyama Dalai	Titigaon	Patrapur	76539 32772				Yes	-do-	Seed , Seed	IPM 02-	10	7	5	6	5.3	22.64

Dalai										treatment , Spraying of Weedcides,Spraying of liquid N	14		.3	.1	.5		%
Sukumari Dalai	Siba Dalai	Titigaon	Patrapur	8763315376				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Hira Dalai	Sima Dalai	Titigaon	Patrapur	8280104855				Yes	DAP –109.2 kg, Urea – 12 kg, MOP – 32kg	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Kuli Dalai	Chandramani Dalai	B.Sharadhapur	Patrapur	8480598552				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %
Suresh kumar	Dandasia Paika	Tumba	Patrapur	9438642601				Yes	-do-	Seed , Seed treatment	IPM 02-14	10	7.	5.	6.	5.3	22.64

Paika										, Spraying of Weedcides,Spraying of liquid N			3	1	5		%
Pramoda kumar Paika	Suresh kumar Paika	Tumba	Patrapur	8895778180				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %
Ashok Baghsing	Nilambar Baghsingh	Tumba	Patrapur	8280626664				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Gitanjali Baghsing	Shyama Baghsing	Tumba	Patrapur	9438177006 0				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	10	7.3	5.1	6.5	5.3	22.64 %
Bhaskar Baghsing	Anadi Baghsing	Tumba	Patrapur	7653933698				Yes	-do-	Seed , Seed treatment , Spraying	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %

										of Weedcides,Spraying of liquid N								
Balaram Paika	Shyamaghana Paika	Tumba	Patrapur	9439806574				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %
Latanjali Paika	Rama Paika	Tumba	Patrapur	8763717376				Yes	-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N	IPM 02-14	8	7.3	5.1	6.5	5.3	22.64 %
Tuna Baghsing	Kura Baghsing	Tumba	Patrapur	8763248823					-do-	Seed , Seed treatment , Spraying of Weedcides,Spraying of liquid N		8	7.3	5.1	6.5	5.3	22.64 %
Prafulla Baghsing	Anadi Baghsing	Tumba	Patrapur	8280857269					-do-	Seed , Seed treatment , Spraying of		8	7.3	5.1	6.5	5.3	22.64 %

										Weedcides,Spraying of liquid N							

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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production	1	10	3	13	4	5	9	1	2	3	15	10	25
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													

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 vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													

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
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction													

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
technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	4	55	25	70	10	3	13	11	6	17	76	24	100
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of	No. of Participants	Grand Total

	Courses	Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	01	14	0	14	01	0	01	0	0	0	15	0	15
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
New generation pesticides	1	14	1	15	0	0	0	0	0	0	14	1	15
Irrigation management in field crops	1	6	5	11	1	3	4	0	0	0	7	8	15
TOTAL													

B) 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	2	9	11	20	0	0	0	0	0	0	9	11	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1	6	4	10	0	0	0	0	0	0	6	4	10
Vertical gardening	1	6	4	10	0	0	0	0	0	0	6	4	10
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	6	4	10	0	0	0	0	0	0	6	4	10
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													

Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	6	4	10	0	0	0	0	0	0	6	4	10
Gender mainstreaming through SHGs													
Crop intensification													
Others if any(agronomy)	1												
Climate smart agriculture for enhancing farm profitability	1	5	5	10	0	0	0	0	0	0	5	5	10
Fish Production and Management	01	05	03	08	01	01	02	0	0	0	06	04	10
Aquatic Animal Health Management	01	05	03	08	01	01	02	0	0	0	06	04	10
TOTAL	10	48	38	86	2	2	4	0	0	0	50	40	90

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	4	61	18	79	9	5	14	5	2	7	75	25	100
Resource Conservation Technologies													
Cropping Systems	1	18	7	25	0	0	0	0	0	0	18	7	25
Crop Diversification													
Integrated Farming													
Water management													
Seed production	4	54	25	79	11	5	16	3	2	5	68	32	100
Nursery management	1	15	5	20	4	1	5	0	0	0	19	5	25
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	2	25	06	31	05	07	12	2	05	07	38	12	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of low volume and high value crops	1	14	03	17	08	0	08	0	0	0	22	03	25
Off-season vegetables	1	12	06	18	3	0	3	4	0	4	19	6	25
Nursery raising													
Export potential vegetables	3	40	25	65	2	3	5	4	1	5	46	29	75
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	14	03	17	08	0	08	0	0	0	22	03	25
Export potential fruits	1	12	6	18	3	0	3	4	0	4	19	6	25
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	18	5	23	0	0	0	0	02	02	22	03	25
Propagation techniques of Ornamental Plants	1	10	8	18	2	1	3	4	0	4	17	8	25
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology	1	18	5	23	0	0	0	0	02	02	22	03	25
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													

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
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	2	34	12	46	0	0	0	0	3	3	22	03	50
Soil and Water Conservation													
Integrated Nutrient Management	3	45	23	68	4	0	4	3	0	3	52	23	75
Production and use of organic inputs	3	45	23	68	4	0	4	3	0	3	52	23	75
Management of Problematic soils													
Micro nutrient deficiency in crops	1	12	13								12	13	25
Nutrient Use Efficiency	1	20	3	23	0	0	0	0	02	02	22	03	25
Soil and Water Testing	2	31	16	47	0	0	0	0	3	3	31	19	50
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1		25	25	0	0	0	0	0	0	0	25	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development	1		20	20	0	5	5	0	0	0	0	25	25
Value addition	2	0	14	14	0	28	28	0	8	8	0	50	50
Income generation activities for empowerment of													

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
rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any Mushroom cultivation	1		25	0	0	0	0	0	0	0	0	25	25
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management	7	90	40	130	22	15	37	5	3	8	117	58	175
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming	02	26	06	32	06	07	13	02	03	05	36	14	50
Carp breeding and hatchery management	01	25	0	25	0	0	0	0	0	0	25	0	25
Carp fry and fingerling rearing	01	12	06	18	05	02	07	0	0	0	17	08	25
Composite fish culture & fish disease	03	37	21	58	03	05	08	05	04	09	45	30	75
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	01	21	04	25	0	0	0	0	0	0	21	04	25
Breeding and culture of ornamental fishes	01	15	05	20	02	01	03	01	01	02	18	07	25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Fish processing and value addition	01	13	12	25	0	0	0	0	0	0	13	12	25
Others, if any(Aquatic Animal Health Management)	01	09	07	16	04	01	05	01	03	04	14	11	25
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL													

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
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	2	12	5	17	6	3	9	3	1	4	21	9	30
Production of organic inputs	2	22	5	27	2		2	1		1	25	5	30
Integrated Farming													
Planting material production													
Vermi-culture	2	14	8	22	4		4	4		4	22		30
Sericulture													
Protected cultivation of vegetable crops	1	11	-	11	-	-	-	2	2		13	2	15
Commercial fruit production	1	11	4	15	-	-	-	-	-	-	11	4	15
Repair and maintenance of farm machinery and implements	1	10	5	15							10	5	15
Nursery Management of Horticulture crops													
Training and pruning of orchards	1	11	4	15	-	-	-	-	-	-	11	4	15
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture	01	11	0	11	04	0	04	0	0	0	11	04	15
Freshwater prawn culture													
Shrimp farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology	01	13	0	13	02	0	02	0	0	0	15	0	15
Fry and fingerling rearing	01	10	03	13	02	0	02	0	0	0	12	03	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any	1	12	3	15	5	-	5	3	-	3	12	3	15
Honey bee rearing	1	10	1	11	2	0	2	2	0	2	14	1	15
Safe use of pesticide	1	10	2	12	2	0	2	1	0	1	13	2	15

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													

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
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL													

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	4	61	18	79	9	5	14	5	2	7	75	25	100
Resource Conservation Technologies													
Cropping Systems	1	18	7	25	0	0	0	0	0	0	18	7	25
Crop Diversification													
Integrated Farming													
Water management													
Seed production	4	54	25	79	11	5	16	3	2	5	68	32	100
Nursery management	1	15	5	20	4	1	5	0	0	0	19	5	25
Integrated Crop Management													
Fodder production	1	10	3	13	4	5	9	1	2	3	15	10	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	2	25	6	31	05	07	12	2	05	07	38	12	50
Production of low volume and high value crops	1	14	03	17	08	0	08	0	0	0	22	03	25
Off-season vegetables	1	12	6	18	3	0	3	4	0	4	19	6	25
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables	3	31	18	49	11	4	15	7	4	11	49	26	75
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	14	03	17	08	0	08	0	0	0	22	03	25
Export potential fruits	1	12	6	18	3	0	3	4	0	4	19	6	25
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	1	18	5	23	0	0	0	0	02	02	22	03	25
Propagation techniques of Ornamental Plants	1	10	8	18	2	1	3	4	0	4	17	8	25
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology	1	18	5	23	0	0	0	0	02	02	22	03	25
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													

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
III. Soil Health and Fertility Management													
Soil fertility management	2	34	12	46	0	0	0	0	3	3	22	03	50
Soil and Water Conservation													
Integrated Nutrient Management	3	45	23	68	4	0	4	3	0	3	52	23	75
Production and use of organic inputs	3	45	23	68	4	0	4	3	0	3	52	23	75
Management of Problematic soils													
Micro nutrient deficiency in crops	1	12	13								12	13	25
Nutrient Use Efficiency	1	20	3	23	0	0	0	0	02	02	22	03	25
Soil and Water Testing	2	31	16	47	0	0	0	0	3	3	31	19	50
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1		25	25	0	0	0	0	0	0	0	25	25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													

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
Enterprise development	1		20	20	0	5	5	0	0	0	0	25	25
Value addition	2	0	14	14	0	28	28	0	8	8	0	50	50
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Mushroom cultivation	1	0	25	25	0	0	0	0	0	0	0	25	25
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	4	55	25	70	10	3	13	11	6	17	76	24	100
Integrated Disease Management	7	90	40	130	22	15	37	5	3	8	117	58	175
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming	02	26	06	32	06	07	13	02	03	05	36	14	50

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 breeding and hatchery management	01	25	0	25	0	0	0	0	0	0	25	0	25
Carp fry and fingerling rearing	01	12	06	18	05	02	07	0	0	0	17	08	25
Composite fish culture	03	37	21	58	03	05	08	05	04	09	45	30	75
Hatchery management and culture of freshwater prawn	01	21	04	25	0	0	0	0	0	0	21	04	25
Breeding and culture of ornamental fishes	01	15	05	20	02	01	03	01	01	02	18	07	25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition	01	13	12	25	0	0	0	0	0	0	13	12	25
Others													
Aquatic Animal Health management	01	09	07	16	04	01	05	01	03	04	14	11	25
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													

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
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	62	802	418	1185	128	79	16	223	61	55	116	998	526

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
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	2	12	5	17	6	3	9	3	1	4	21	9	30
Production of organic inputs	2	22	5	27	2		2	1		1	25	5	30
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
Vermi-culture	2	14	8	22	4		4	4		4	22		30
Sericulture													
Protected cultivation of vegetable crops	1	11	-	11	-	-	-	2	2		13	2	15
Commercial flower production	1	11	4	15	-	-	-	-	-	-	11	4	15
Commercial fruit production	1	10	5	15							10	5	15
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	01	14	0	14	01	0	01	0	0	0	15	0	15
Para vets													
Para extension workers													
Composite fish culture	01	11	0	11	04	0	04	0	0	0	11	04	15
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology	01	13	0	13	02	0	02	0	0	0	15	0	15
Fry and fingerling rearing	01	10	03	13	02	0	02	0	0	0	12	03	15
Small scale processing													
Post Harvest 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
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
Honey bee rearing	1	10	1	11	2	0	2	2	0	2	14	1	15
Safe use of pesticide	1	10	2	12	2	0	2	1	0	1	13	2	15
New generation pesticides	1	14	1	15	0	0	0	0	0	0	14	1	15
Irrigation management in field crops	1	6	5	11	1	3	4	0	0	0	7	8	15
TOTAL	17	168	39	207	26	6	32	13	3	12	203	44	255

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	2	9	11	20	0	0	0	0	0	0	9	11	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1	6	4	10	0	0	0	0	0	0	6	4	10
Vertical gardening	1	6	4	10	0	0	0	0	0	0	6	4	10
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	6	4	10	0	0	0	0	0	0	6	4	10
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													

Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	6	4	10	0	0	0	0	0	0	6	4	10
Gender mainstreaming through SHGs													
Crop intensification													
Others if any(agronomy)	1												
Climate smart agriculture for enhancing farm profitability	1	5	5	10	0	0	0	0	0	0	5	5	10
Fish Production and Management	01	05	03	08	01	01	02	0	0	0	06	04	10
Aquatic Animal Health Management	01	05	03	08	01	01	02	0	0	0	06	04	10
TOTAL	10	48	38	86	2	2	4	0	0	0	50	40	90

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 SC/ST**		
					Male	**Female**	**Total**	**Male**	**Female**	**Total**
Agronomy	F/FW	Nursery management in rice	1day	Off campus	21	4	25	3	4	7
Agronomy	F/FW	Integrated weed management in rice	1day	Off campus	1	-	25	11	13	24
Agronomy	F/FW	SRI system of rice production	1day	Off campus	23	-	25	2	-	2
Agronomy	F/FW	Weed management in maize	1day	Off campus	25	-	25	-	-	-
Agronomy	F/FW	Improved package of practices of pulse crop	1 day	Off campus	14	11	25	-	-	-
Agronomy	F/FW	Improved package of practices of sunflower	1 day	Off campus	25	-	25	8	-	8
Agronomy	F/FW	Integrated weed management in greengram/blackgram	1 day	Off campus	12	13	25	-	-	-
Agronomy	F/FW	Maize pulse	1 day	Off	18	7	25	-	-	-

		Intercropping		campus						
Agronomy	F/FW	Improved package of practice of sesame	1 day	Off campus	25	-	25	20	-	20
Agronomy	F/FW	Improved package of practices of fodder crops	1 day	On campus	15	10	25	9	2	11
Agronomy	F/FW	Integrated weed management in groundnut	1 day	Off campus	8	17	25	5	6	11
Horticulture	F/Fw	cultivation of spice in improved technique (onion, ginger,turmeric,chilli)	1	Off campus	15	10	25	5		5
Horticulture	F/Fw	Scientific cultivation of cauliflower, brocolli	1	Off campus	18	7	25	5	2	7
Horticulture	F/Fw	Scientific cultivation of cowpea and bean	1	Off campus	15	10	25	3	2	5
Horticulture	F/Fw	Scientific cultivation of tomato, Brinjal,Chilli	1	Off campus	17	8	25	6	3	9
Horticulture	F/Fw	Agrotechniques of marigold and tuberose	1	Off campus	21	4	25	6	2	8
Horticulture	F/Fw	Rejuvenation of old orchard	1	Off campus	22	3	25	3	5	8
Horticulture	F/Fw	Agrotechniques of Kewda cultivation	1	Off campus	21	4	25	-	-	-
Horticulture	F/Fw	Cultivation of mango,Guava	1	Off campus	18	7	25	5	2	7
Horticulture	F/Fw	Scientific cultivation of Bettlevine	1	Off campus	15	10	25	2	1	3
Horticulture	F/Fw	Agrotechniques of pointed gourd, bottle gourd	1	Off campus	14	11	25	3	2	5
Horticulture	F/Fw	Scientific cultivation of tubercrops	1	Off campus	16	9	25	5	2	7
Horticulture	F/Fw	Scientific cultivation of	1	Off campus	18	7	25	2	1	3

		Capsicum								
Soil Sc.	F/Fw	Soil fertility management	2	Off campus	29	21	50	18	6	24
Soil Sc.	F/Fw	INM in OilSeed crops	1	Off campus	18	7	25	12	3	5
Soil Sc.		INM in flower crops	1							
Soil Sc.	F/Fw	Use & role of micro nutrients in hybrid Maize	1	Off campus	18	7	25	6	0	6
Soil Sc.	F/Fw	Importance of soil testing & technique of soil sample collection	2	Off campus	31	19	50	13	5	18
Soil Sc.	F/Fw	Use & role of Biofertilisers in vegetables	1	Off campus	18	7	25	5	2	7
Soil Sc.	F/Fw	Nutrient management in Rice	1	Off campus	15	10	25	3	2	5
Soil Sc.	F/Fw	INM in millets	1	Off campus	17	8	25	6	3	9
Soil Sc.	F/Fw	Production and Use of organic inputs	2	Off campus	35	15	50	12	6	18
Plant Protection	F/FW	IPM in bittergourd	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	Disease management Rice	1 day	Off campus	15	10	25	5		5
Plant Protection	F/FW	Disease management Groun nut	1 day	Off campus	25	0	25	4	0	04
Plant Protection	F/FW	Disease and pest 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	IPM in Mango	1 day	Off campus	22	03	25	7	03	10
Plant	F/FW	Pest management in	1 day	Off	25	0	25	8	0	08

Protection		brinjal		campus						
Plant Protection	F/FW	Disease management in chilli	1 day	Off campus	23	02	25	0	02	02
Plant Protection	F/FW	IDM in groundnut	1 day	Off campus	14	11	25	8	08	16
Plant Protection	F/FW	IPM in Marigold	1 day	Off campus	12	03	15	0	02	02
Home Sc	FW	Development of nutritional garden for nutritional security	1	Off campus	0	25	25	0	0	0
Home Sc	FW	Oyster mushroom cultivation	1	Off campus	0	25	25	0	5	5
Home Sc	FW	Primary and secondary processed product from ragi	1	Off campus	0	25	25	0	8	8
Home Sc	FW	Value added product of tomato	1	Off campus	0	25	25	0	11	11
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	F/FW	Disease diagnosis,	1 day	Off	21	4	25	3	1	4

Science		treatment and control measures		campus						
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	Seed Production in rice	2 day	Off campus	4	-	15	11	-	11
Agronomy	RY	Quality seed production in pulses	2 day	Off campus	3	4	15	8	-	8
Agronomy	RY	Irrigation Management in field crops	2 day	On campus	6	5	15	1	3	4
Horticulture	RY	Nursery management of horticultural crops	2 day	Off campus	14	1	15	0	0	0
Horticulture	RY	Cultivation of rose and gladiolus	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	2 day	Off campus	9	6	15	3	2	5
Soil Sc.	RY	Vermiculture and vermicomposting	4day	Off campus	21	9	30	6	3	9
Soil Sc.	RY	Production and use of organic inputs	4 day	Off campus	22	8	30	4	1	5
Plant Protection	RY	Honey bee rearing	2day	Off campus	12	3	15	2	2	4
Plant Protection	RY	Safe use of pesticide	2 day	Off campus	11	4	15	2	1	3
Plant Protection	RY	New generation pesticides	2 day	Off campus	14	1	15	0	0	0
Fishery Sc.	RY	Ornamental fish culture	2 day	Off	11	4	15	2	1	3

		as an Income generating activity		campus						
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
Agronomy	IS	Climate Smart agriculture for enhancing farm profitability	1	On campus	6	4	10	2	0	2
Agronomy	IS	Precision Agriculture	1	On campus	5	5	10	0	0	0
Horticulture	IS	Protected cultivation technology	1	On campus	6	4	10	2	0	2
Horticulture	IS	Vertical gardening	1	On campus	6	4	10	2	0	2
Soil Sc.	IS	Capacity building for ICT application	1	On campus	6	4	10	2	0	2
Soil Sc.	IS	Production and use of organic inputs	1	On campus	6	4	10	2	0	2
Plant Protection	IS	IPM and IDM in rice	1 day	On campus	4	6	10	0	0	0
Plant Protection	IS	IPM and IDM in cole crops	1 day	On campus	5	5	10	0	0	0
Fishery Sc.	IS	Fish Production and Management	1 day	On campus	6	4	10	0	0	0
Fishery Sc.	IS	Aquatic Animal Health Management	1 day	On campus	6	4	10	0	0	0

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

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

Sponsored Training Programmes (GKRA)

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY /EF	No. of courses	No. of Participants									Sponsoring Agency
							Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total
1	Off season vegetable cultivation	Vegetable production	July ,Aug, Sept.-20	3 Days	RY	3	65	10	5	15	5	5	80	15	10	105	ICAR
2	Planting material production & nursery management	Nursery management	July ,Aug, Sept.-20	3 Days	RY	3	68	8	7	10	7	5	78	15	12	105	ICAR
3	Pond based integrated farming system	IFS	July Sept.-20	3 Days	RY	2	44	6	0	12	8	0	56	14	0	70	ICAR

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

Nature of Extension	No. of	Farmers	Extension Officials	Total

		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	22	356	52	408	18	11	8	19	367	60	427
Kisan Mela	1	25	5	30	5	7	4	3	32	9	41
KisanGhosthi				0				0	0	0	0
Exhibition	1	-	-	50	-	-	-	-	-	-	500
Film Show											
Method Demonstrations				0				0	0	0	0
Farmers Seminar											
Workshop				0				0	0	0	0
Group meetings											
Lectures delivered as resource persons	15	555	166	721	15	14	10	24	569	176	745
Advisory Services	55	18404	2200	20604	18	200	100	300	18604	2300	20904
Scientific visit to farmers field	220	945	310	1255	15			0	945	310	1255
Farmers visit to KVK	256	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											
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet				0				0	0	0	0
Self Help Group Conveners meetings											
Mahila Mandals Conveners meetings				0				0	0	0	0
Celebration of important days	5	180	60	240	9	10	5	15	190	65	255
MahilaKisan Divas	1		25	25	2			0	0	25	25
Any Other (POSHAN	1		50	50			23	23	0	73	73

MAAH Programme											
Farmers Scientist Interaction (ATMA)	3	75	25	100	14	21	9	30	96	34	130
Total											

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	5
Radio talks	0
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
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Rice	Swarna Sub-1 (FS)	201.6 (Unprocessed)	628000.00 (Approximate)				
Green gram	IPM02-14 (TL)	4.2	33600	2	10	10	22
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
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Arka Rakshak	12000	30000			20	30
Brinjal	Akshita	3000	7500			12	12
Chilli	Arka Harita Arka Meghna	12000	30000				18
Onion	Arka Yojit	1.60,000	26000			20	20
Others							

Fruits							
Mango							
Guava							
Lime							
Papaya	Red lady SapnaF1	250	6250			7	7
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify(Drumsick)	PKM-1	250	3750			10	10
Total							

Production of Bio- product by KVKs

Bio -product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers
Bio- fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Non Symbiotic Azotobacter																	

Bio -product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Numbe r of farmers	Quantity (no.)	Quantit y (Kg.)	Value (Rs.)	Numbe r of farmers	Quant ity (no.)	Quant ity (Kg.)	Value (Rs.)	Numb er of farme rs
Bio- fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Vermi compost							2000kg	30000									
Azolla																	
Earth worms							15kg	7500									
Compost																	
Worms																	
Blue green algae																	
NADEP																	
Azatobactor																	
Azospirillum																	
PSB																	
Rhizobium																	
Azolla culture																	
Total																	
Bio- pestisides																	
Neem extract																	
Tobacco extract																	
Trichoder- maviride																	
Panchagavya																	
Trichoderma																	
Total																	
Worms																	
Eudriluseuniae																	
Total																	
Earth worm																	
Eiseniafoetida																	
Earth worm																	
Total																	
Bio- fungicides																	

Bio -product	Name of the Bio - product	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Number of farmers	Quantity (no.)	Quantity (Kg.)	Value (Rs.)	Numbe r of farmers	Quantity (no.)	Quantit y (Kg.)	Value (Rs.)	Numbe r of farmers	Quant ity (no.)	Quant ity (Kg.)	Value (Rs.)	Numb er of farme rs
Bio- fertilisers		**A&N Islands**				**Odisha**				**West bengal**				**Total**			
Trichoder maviridae																	
Total																	
others																	
Vermiculture																	
Mushroom-spawn																	
Cuelure																	
Mineral mixture																	
Cow dung(dry)																	
Cow dung(wet)																	
Total																	
Grand Total																	

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							

Duals (broiler and layer)	Kadaknath	25 No	6000.00	7	2	13	22
Japanese Quail							
Turkey							
Emu							
Ducks	Khaki Campbell	314 nos egg	1570	16	32	31	79
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings	IMC (Catla, Rohu & Mrigal)	2800 Nos	1400.00	11	0	5	16
Spawn							
Others (Pl. specify) Ornamental	Molly	580 Nos	3000.00				
Glass Aquarium	Rectangular (6mm)	10 Nos	9000.00				
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) Details of Quality Seed Production

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020						
Rabi 2020-21						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18 2018-19 and2019-20)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019-20				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

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

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training	Basic application of remote sensing and GIS in agriculture and allied field.	Mrs. Kabita Mishra, Scientist (Agronomy)	27.01.21 to 03.02.21	GTC.OUAT
2.					
3.					
4.					
5.					
6.					
7.					

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

Name of farmer	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


KRISHI VIGYAN KENDRA

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,	Application of Biopesticide to Control Pests in vegetable.

		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 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.
1	Mridaparikshak	3 (2 new+1old)
2	Shaker	3
3	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			

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	50	01		30	30

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
31.08.20	Mr Aditya Goel, IAS	KVK Visit
27.01.21	Mr. S Panigrahi , Joint Secretary , Govt. of Odisha	KVK Visit

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 (Rs/ha)		Gross return (Rs/ha)		Net return (Rs/ha)		B:C ratio	
		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 availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Economically viable and other material availability in local market condition.
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 2020-21 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1	Vermicomost	-	10	E. foetida	Vermiworm	20	3000	10000	
2									
3									
4									
5									
6									
Total									

6.2. Performance of Instructional Farm (Crops)

Name	Date of	Date	Area	Details of production	Amount (Rs.)	Remarks

Of the crop	sowing	of harvest	(ha)	Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	July 19	Dec 19	5	Swarna Sub-1	FS	201.6 Unprocessed	100000	500000 (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.	Poultry	Kadaknath Chhabro	Adult	100 Nos		6000.00	
2.	Duckery	Khaki Campbell	Adult	20 Nos		1570.00	
3.	IMC	Catla, Rohu, Mrigal	Fingerlings	2800 Nos		1400.00	
4.	Ornamental Fish	Molly	Juveniles	580 Nos		3000.00	
5.	Aquarium	Glass make (6mm)	Structure			9000.00	

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	Golanthara	32409141533
Revolving fund	SBI	Golanthara	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 (IPM02-14)		90000.00		88800.00	

2019.5. Utilization of KVK funds during the year 2020-21 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances	100000	100000	100000
3	Contingencies	1800000	1738519	1738519
A	SCSP	400000	400000	400000
B	Library	10000	10000	10000
C	HRD	30000	30000	
D	GKRA	164000	162000	140000
E	CFLD	90000	88800	88800
F				
G				
H				
I				
J	Swachhta Expenditure			

Sl. No.	Particulars	Sanctioned	Released	Expenditure
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2015-16	26191	377176	360972.25	42394.75
2016-17	42394.75	513027	555421.75	0
2017-18	0	240094	213860.50	26233.50
2018-19	26233.50	238014	223083.50	41164.00
2019-20	41164	512568	410354.50	143377.50
2020-21	143377.50	370380	309252	204505.50

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
Farmers scientist Interaction	3	Rabi 2020-21			ATMA fund has been utilized, resource persons from line dept. & CPR, OUAT

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

Type of message	No. of messages	No. of farmers covered
Crop		
Livestock	30	20900
Fishery	4	

Weather	5	
Marketing	4	
Awareness	1	
Training information	5	
Other	5	
Total	54	

9.3. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*2600*
2.	No. of farmers registered in the portal	*20200*
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	

9.4. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
7 months	30

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	10	-
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	8	
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	5	

village)		
14. No of Staff members involved in the activities	7	
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	**30**	

9.5. Observation of National Science day

Date of Observation	Activities undertaken

9.6. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.7. 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)

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

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

9.9. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)

9.10. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Meeting & interaction programme	02	50	-	-

9.11. 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 Kukudakhandi 9439682787	Crop Production
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	Crop Production

		9438469217	
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,Sanakhemundi 7873846281	

9.12. Revenue generation

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

9.13. Resource Generation:

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

9.14. Performance of Automatic Weather Station in KVK

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

9.15. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

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

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	

Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2020-21 (Rs. In lakh):

c. (i) Achievements of physical outcome under TSP during 2020-21

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	

(ii) Table:

Sl. No.	***Description***	***Unit***	***Achievements***
1	Number of Technologies Identified after Assessment	Number	
2	Upgraded Skills and Knowledge of farmers	Number	
3	Oriented extension personnel in frontier areas of agricultural technology	Number	
4	Increased availability of quality seed	Quintal	
5	Increased availability of quality Planting material	Number	
6	Increased availability of live-stock strains and fingerlings	Number	
7	Testing of Soil & water samples for balance fertilizer use	Number	

d. Location and Beneficiary Details during 2020-21

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

12. Schedule caste Output & Outcome achievements

Sl. No.	Indicator/Activities	Unit of Indicator	Achievements

1	Farmers, farm women trained by KVKs	Number	
2	Extension personnel trained by KVKs	Number	
3	On-farm trials conducted by KVKs	Number	
4	Frontline demonstrations conducted by KVKs	Number	
5	Quantity of seeds produced	Quintal	
6	Planting materials Produced	Number	
7	Livestock strains and fingerlings produced	Number	
8	Soil & water samples tested	Number	

13**.** Information pertaining to ARYA Project

2020-21							
Name of KVK	Year since ARYA is initiated in the KVK (specify year)	No. of Training programs	No. of rural youth trained		No. of youth established units		No. of entrepreneurial units established
			M	**F**	**M**	**F**	

14. 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

15. 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

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

17. 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

18. 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

19.Technologies for Doubling Farmers' Income

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

20.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					

21.Information on Visit of VIPs 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)

22.a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2019-20 and 2020-21

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18							
2018-19							
2019-20							

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2020-21

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	

23. 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**

24. 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	

25. Nutri-garden

Sl.no.	**Name of KVK**	**Established in KVK Campus**	**No. of nutria-garden established in the village**	**Major vegetables production**

Please provide one or two good quality photographs

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

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

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

28. SC SP quarter-wise

Table-I: Schedule Caste Output & Outcome Achievement/Indicators for 2020-21 (QUARTER-WISE) Physical Output 2020-2021

Sl. No.	Indicator/Activities	Unit of Indicator	Quarterly Breakup (Target)	Targets Achieved	No. of Beneficiaries	Outcome
1	Farmers, farm women trained by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
2	Extension personnel trained by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
3	On-farm trials conducted by KVKs	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3 Q-4	
4	Frontline demonstrations conducted by KVKs					
	Agronomy	Number	Q-3 -	Q-3- Demon of sweet corn 2 ha Demon of sunflower 2ha	Q-3- 27	
	Horticulture	Number	Q-3 -	Q-3- Demon of Tomato var Arka Takshak- 0.2 ha, Demon of chilli-0.2 ha, Demon of onion - 0.2 ha	Q-3- 15	
	Soil Sc	Number	Q-1 -1 Q-2 -1 Q-3 -1 Q-4 - 03	Q-1 -1 Q-2 -1 Q-3 -1 Q-4 -03	Q-1 -10 Q-2 -05 Q-3 -20 Q-4 -35	
5	Quantity of seeds produced	Quintal	Q-1	Q-1	Q-1	

Sl. No.	Indicator/Activities	Unit of Indicator	Quarterly Breakup (Target)	Targets Achieved	No. of Beneficiaries	Outcome
			Q-2 Q-3 Q-4	Q-2 Q-3 Q-4	Q-2 Q-3 Q-4	
6	Planting materials Produced	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3- Tomato11900,chilli-12000, onion-130000 Q-4	Q-1 Q-2 Q-3- Q-4	
7	Livestock strains and fingerlings produced	Number	Q-1 Q-2 Q-3 Q-4	Q-1 Q-2 Q-3-Poultry 200 nos 21 days old var. Kadaknath Q-4	Q-1 Q-2 Q-3- 20 Q-4	Meat =170kg egg-780 nos & cont…
8	Soil & water samples tested	Number	Q-1 -20 Q-2 -30 Q-3 -30 Q-4 -30	Q-1 -20 Q-2 -30 Q-3 -30 Q-4 -30	Q-1 -20 Q-2 -30 Q-3 -30 Q-4 -30	

* Full package pracitices in composite in pisciculture

Beneficiary covered : 2 nos of SHGs of Pursottampur & rangeilunda Block, members -34 nos

Input product : Fish feed , Water rectifies (Lime & Zeolite plankton net, P^H in dilute , CIFAX)

Pond based farming system :

Beneficiary covered: 02 nos (Chikiti block)

Input product: Fish feed , Water rectifies (Lime & Zeolite plankton net, P^H in dilute , CIFAX)

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