# ANNUAL REPORT

2019-20

Contact Details:

# KRISHI VIGYAN KENDRA, JAGATSINGHPUR

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY, BHUBANESWAR
At- Nimakana, P.O-Manijanga, Dist-Jagatsinghpur, PIN Code:754160

Email ID: kvkjagatsinghpur.ouat@gmail.com Website: kvkjagatsinghpurzpdvii.org Contact No.876380576 (Senior Scientist & Head)



# PROFORMA FOR ANNUAL REPORT 2019 (January-December 2019)

# 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra,	8249447374		kvkjagatsinghpur.ouat@gmail.com
Jagatsinghpur			
At-Nimakana, P.O-Manijanga,			
Dist-Jagatsinghpur			
Pin-754160, State-Odisha			

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

Address	Telephone		E mail
	Office	FAX	
OUAT, Bhubaneswar Pin-751003 Orissa	(0674) 2392677	(0674) 2391780	registrarouat@gmail.com

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

Name		Telephone / Contact				
	Residence	Mobile	Email			
Dr. Biswa Ranjan Pattanaik		8249447374	biswaranjan.pattanaik2010@gmail.com			

### 1.4. Year of sanction of KVK: 2005

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. Biswa Ranjan Pattanaik	Senior Scientist & Head	Agril. Extension	15,600-39,100 AGP:8,000 Basic:28,230	25.05.2018	Temporary	OTHER
2	Subject Matter Specialist	Mr. Ashis Ku. Mohanty	Scientist (Horticulture)	Horticulture	15,600-39,100 AGP:6,000 Basic:25,780	23.09.2009	Temporary	OTHER
3	Subject Matter Specialist	Dr. Prabhat Kumar Padhi	Scientist (Animal Science)	Veterinary Science	15,600-39,100 AGP:6,000 Basic:17,610	16.06.2015	Temporary	OTHER
4	Subject Matter Specialist	Mr. Bijay Ku Routray	Scientist (Plant protection)	Entomology	15,600-39,100 AGP:6,000 Basic:23,950	03.02.2016	Temporary	OTHER
5	Subject Matter Specialist	Mr. Dibyendu Mondal	SMS (Agronomy)	Agronomy	15,600-39,100 AGP: 5400 Basic: 15600	20.08.2018	Temporary	SC
6	Subject Matter Specialist	Dr. Pradipta Majhi	SMS(Soil Sc. & Agril. Chemistry)	Soil Sc. & Agril. Chemistry	15,600-39,100 AGP: 5400 Basic: 15600	27.11.2018	Temporary	OTHER
7	Subject Matter Specialist	Mrs. Sasmita Purohit	Scientist(Home Science)	Home Science	15,600-39,100 AGP:6,000 Basic:25,780	22.12.2018	Temporary	OTHER
8	Programme Assistant	Mrs. Sarita Das	Programme Assistant(Fishery)	Fishery Science	9,300-34,800 G.P:4,200 Basic:15,100	25.07.2018	Temporary	OTHER
9	Computer Programmer	Samir Kumar Pattanaik*	Prog. Asst. (Comp Sc)	Computer Sc.	9,300-34,800 G.P:4,200 Basic:12,430	31.01.2015	Temporary	OTHER
10	Farm Manager	Mr. Rabindra Kumar Pradhan	Farm Manager	Horticulture	9,300-34,800 G.P:4,200 Basic:10,560	16.11.2012	Temporary	OBC
11	Accountant / Superintendent	Vacant	-	-	-	-	-	-
12	Stenographer	Mr. Kamal Lochan Mahanta	Jr. Steno-cum- Computer Operator	Arts, MCA	5,200-20,200 G.P: 2,400 Basic: 8,490	10.07.2014	Temporary	OBC
13.	Driver	Mr. Pradipta Kumar Barik,	Driver-cum-Mechanic	-	5,200-20,200 G.P: 1,900 Basic:7,970	04.08.2008	Temporary	OBC
14.	Driver	Mr. Sanjay Kumar	Driver-cum-Mechanic	-	5,200-20,200	14.09.2017	Temporary	OTHER

		Panda			G.P: 1,900 Basic:7,970			
15.	Supporting staff	Mr. Karunakar Singh	Peon-cum-Watchman	-	4,750-14,680 G.P: 1,500 Basic:6,270	18.09.2017	Temporary	OTHER
16.	Supporting staff	Smt. Urbasi Nayak	Peon-cum-Watchman	-	4,750-14,680 G.P: 1,500 Basic:6,740	22.12.2007	Temporary	ST

<sup>\*</sup>Sri Samir Kumar Pattanaik, Prog. Asst (Computer) has been relieved from KVK, Jagatsinghpur on pending handing over charges on dt 09.05.2016. He is being deployed at Office of the Directorate of Extension Education, OUAT & drawing salary from salary head of KVK, Jagatsinghpur since 24.07.2017.

# 1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	1.19
2.	Under Demonstration Units	1.5
3.	Under Crops	9.53
4.	Orchard/Agro-forestry	-
5.	Others with details	1.0
	Total	13.22

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					2008		Use	ICAR
2.	Farmers Hostel					2008		Use	ICAR
3.	Staff Quarters (6)					2012		Use	ICAR
4.	Piggery unit					2017		Use	RKVY
5	Fencing					2015		Use	RKVY
6	Rain Water harvesting structure					-			
7	Threshing floor					2007		Use	ICAR
8	Farm godown					2013		Use	ICAR
9.	Dairy unit					2017		Use	ICAR
10.	Poultry unit					2011		Use	RKVY
11.	Goatary unit					2011		Use	RKVY
12.	Mushroom Lab					2011		Use	RKVY

13.	Mushroom production		2017	Use	ICAR
	unit				
14.	Shade house		2014	Use	RKVY
15.	Soil test Lab		2017	Use	ICAR
16	Others, Please Specify				
	<ul> <li>Vermi Yard</li> </ul>		2011	Use	RKVY
	• IFS Unit		2017	Use	ICAR
	Herbal Garden		2017	Use	ICAR
	Carp Hatchery		2011	Use	ICAR

<sup>\*</sup> 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			
Bolero	2005-06		1,79,493	Condemned since 30.112017			
Tractor	2018-19	7,00,000	58	Running			
Motor cycle	2010-11	65,000/-	21,712	Running			
Bolero purchased by DPP OUAT & handed over to KVK Jagatsinghpur.							

# C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Automatic Nitrogen Analyzer with digestion Unit	2017	2,79,000	Working	ICAR
KES 08 LE	2017	77,500	Working	ICAR
KEL VAC VA	2017	69,900	Working	ICAR
Flame Photometer	2017	51,600	Working	ICAR
Digital Soil Moisture Meter	2017	27,706	Working	ICAR

Physical Balance	2017	3,350	Working	ICAR
All Glass Double Distillation Unit	2017	58,000	Working	ICAR
Distillation Appts Power Supply	2017	9,770	Working	ICAR
PH Meter-Micro Controller	2017	28,550	Working	ICAR
Conductivity Meter	2017	18,900	Working	ICAR
Rotary Shaker	2017	22,050	Working	ICAR
Flask Holding Clamp	2017	6,000	Working	ICAR
Mechanical Stirer	2017	8,000	Working	ICAR
Bouycocus Hydrometer	2017	9,775	Working	ICAR
Hot Air Oven (Digital)	2017	27,310	Working	ICAR
Thermometer	2017	300	Working	ICAR
Water Quality Analyzer	2017	70,870	Working	ICAR
Vortex Shaker	2017	15,500	Working	ICAR
Magnetic Stirrer with Hot Plate	2017	16,800	Working	ICAR
Wooden Geological Hammer	2017	900	Working	ICAR
Sieve Brassframe	2017	3,570	Working	ICAR
Keen Cup	2017	3,600	Working	ICAR
Soil Moisture Sample Box	2017	3,300	Working	ICAR
Soil Agar Screw Type	2017	3,600	Working	ICAR
Electronic Balance	2017	64,000	Working	ICAR
Top Pan Balance	2017	36,000	Working	ICAR
PC based double beem UV Vis Spectrometer	2017	3,52,013	Working	ICAR
Refrigerated Centrifuge	2017	1,92,000	Working	ICAR
Angle Head R-244m -12x15ml	2017	17,000	Working	ICAR
Angle Head	2017	13,000	Working	ICAR
Voltage Stabilizer	2017	13,200	Working	ICAR
Hot Air Oven	2011	15,000	Working	RKVY
Autoclave fully automatic	2011	79,750	Working	RKVY
Pan Electronic Balance	2011	5,460	Working	RKVY
Honda Gen Set	2009	35,873	Working	ICAR
Laminar Air Flow	2011	55,125	Working	RKVY
Honda Brush Cutter	2018	27,585	Working	ICAR
Refregerator	2011	19,000	Working	RKVY
Desktop Computer	2016	38,500	Working	ICAR
Printer	2018	14,000	Working	ICAR
Stabilizer	2018	4,800	Working	ICAR
Photo copier	2016	13,333	Working	ICAR

Xerox machine	2016	72,556	Working	ICAR
UPS	2016	1,636	Working	ICAR
Inverter with Battery	2017	34,349	Working	ICAR
Tablet	2017	10,004	Working	ICAR
Grinder	2016	2,600	Working	ICAR
Air Conditioner	2018	47,200	Working	ICAR
Desktop Computer	2018	47,750	Working	ICAR
Air Conditioner	2009	29,390	Working	ICAR
Air Conditioner	2011	30,190	Working	ICAR
b. Farm machinery				
MB Plough			Working	ICAR
Rotavator	2012	79,800	Working	ICAR
Cultivator	2012		Working	ICAR
Power sprayer	2012	9,054	Working	ICAR
Pumpset	2012	11,146	Working	ICAR
Pumpset	2015	19,000	Working	ICAR
c.AV Aids				
LCD projector	2009		Working	ICAR
Laptop	2009	47,300	Working	ICAR
DVD	2007	2,133	Working	ICAR
TV	2007	9,955	Working	ICAR
Amplifier	2017	10,500	Working	ICAR
Video Camera	2017	32,990	Working	ICAR
Digital Camera	2012	19,700	Not Working	ICAR

# D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough			Working	ICAR
Rotavator	2012	79,800	Working	ICAR
Cultivator	2012		Working	ICAR
Power sprayer	2012	9,054	Working	ICAR
Pumpset	2012	11,146	Working	ICAR
Pumpset	2015	19,000	Working	ICAR

# 1.8. Details SAC meeting\* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	14.01.2020	20	• Suitable low land water submergence tolerant rice varieties may be taken.	• Assessment of submergence tolerant rice varieties- Swarna sub 1 and CR1009 sub 1	
			Training should be given on problem soil management.	• Training programme on Salinity management conducted at village-Achyutdaspur and Japa in Ersama block.	
			Manual weeding is expensive in transplanted rice. Suitable herbicide may be applied.	Assessment of herbicides (Bispyribac sodium 10 SC and Amix 20 WP) for weed control in transplanted rice	
			BPH and WBPH in rice is a major problem.	• Demonstration of management of BPH and WBPH in rice	
			Wilting in brinjal is a problem.	Demonstration of Integrated management of wilt complex in brinjal	
			Low yield in Green gram	Demonstration on INM in Green gram	
			Low keeping quality and dull colour of tomato due to sulphur deficiency.	Demonstration on sulphur application in medium land tomato	
			• Late maturity in heifers.	• Demonstration on bypass fat feeding and mineral mixture supplementation for early sexual maturity in heifers at Bagoi & Gamhapur village.	
			Popularization of fodder cultivation for dairy.	• Demonstration on Hybrid Napier (CO-4) fodder production in dairy farming.	
			YVMV problem in Green gram	Demonstration of Integrated management of YVMV in green gram	
			Training on Vermicomposting and Organic farming should be taken up by KVK	Training programme conducted at village- Gamhapur	
			• A Nutritional garden has been established with organic inputs		
			During distribution of soil health card, the officials of line department may be included.	• On 5 <sup>th</sup> December,2019 World Soil Day was organized jointly with Agriculture department.	

• Farmers should be counseled on the right time and right dose of pesticides as prevention is better than cure.	• KMAS is being sent every month
Green manuring in rice may be taken up./ Management of Acidic & Saline soil	Demonstration on Green manuring of Dhaincha for salinity management in rice
IMC production should be doubled	Demonstration of "Jayanti Rohu"in composite carp culture for more yield and Demonstration of Amur carp in composite pisciculture
YVMV in green gram is a major problem in the district.	Demonstration of Integrated management of YVMV in green gram
Discolouration, cracking and poor quality of curd in cauliflower.	• Assessment of Sulphur and Boron application in Cauliflower
FLD on Vermicompost production may be undertaken	Demonstration of production technology of Vermicompost has been undertaken in village-Nimakana, Gamhapur, Gobindapokhari and Japa.
Less oil content and poor quality pod in Groundnut	Demonstration on Secondary and micro nutrient(Sulphur and Boron) application in Groundnut
Weeding in brinjal by farm women is a tedious process	Demonstration of Wheel Cycle Weeder in Brinjal for drudgery reduction of farmwomen
Khaira disease of rice	Assessment of zinc deficiency in lowland rice
Low yield of paddy straw mushroom	• Assessment of humidity/moisture management in paddy straw mushroom in low temp.
Farmers getting low price of milk due to low fat percentage	<ul> <li>Assessment of bypass fat feeding for increasing milk production in dairy cows conducted at Gamhapur, Bagoi, saharadia &amp; Mohammodabad and Goram Village</li> </ul>
• Sheath Blight in rice is a problem	• Assessment of Integrated practices of management of Sheath Blight in rice
Malnutrition in members of farm family	Demonstration of nutritional garden for Improving     Nutritional Security of farm family
Stunted growth of chickens in backyard poultry	Comparative assessment of multi-enzyme mixture and probiotics on growth of chickens in semi intensive system of

	rearing conducted at Saharadia, Bagoi, Gamhapur village	
Small size curd and low yield in cauliflower	Demonstration of Arka Microbial Consortium (Microbial	
	Plant Growth Promoters) for enhancing yield in Cauliflower	
• Deficiency of micro-nutrients in vegetables	Demonstration of application of Micro-nutrient mixture for increasing fruit yield in Okra	
Seedling raising in coco peat may be tried	• Assessment of different methods of portray nursery raising for quality seedling production in tomato	
• Yard long bean is being widely cultivated. Suitable variety may be tried	Demonstration of Yard Long Bean variety "Arka Mangala" for higher yield	
• Drumstick is rich in iron. Suitable variety for Jagatsinghpur district may be tried	Assessment of drumstick varieties (Bhagya and PKM-1) for higher yield in drumstick	
Popularize Salt tolerant Varieties like Luna Sampad in saline areas	One varietal trial has been initiated at KVK farm for multiplication of seeds. Rice seeds of different salt tolerant varieties has been distributed during kharif season. Training programme conducted at Japa village	

<sup>\*</sup> Salient recommendation of SAC in bullet form
Attach a copy of SAC proceedings along with list of participants

# 2.a. District level data on agriculture, livestock and farming situation (2019-20)

Sl.	Item	Information
no.		
1	Major Farming system/enterprise	Rice- Green gram/,Rice Vegetables /Dairy /Fishery
2	Agro-climatic Zone	East & south eastern coastal plain
3	Agro ecological situation	Costal irrigated alluvium
		Rain-fed alluvium
		Costal alluvial saline
		Costal waterlogged
4	Soil type	Sandy loam to clay loam
5	Productivity of major 2-3 crops under cereals, pulses,	Paddy-3.6t/ha
	oilseeds, vegetables, fruits and others	Greengram -0.432t/ha
		Black gram -0.450t/ha

		Chilli-1.13t/ha,Sugarcane-70.t/ha,Groundnut-2.36t/ha
6	Mean yearly temperature, rainfall, humidity of the district	30 °C & 18 °C .Annual rainfall – 1521.16 mm., 98%
7	Production of major livestock products like milk, egg,	Dairy -102TMT milk/year, Psciculture-Inland- 494.4 ton /year
	meat etc.	Marine fish -8000 ton/year, Poultry -29.1 Million (Egg)
		3.07 TMT (Meat), Goatery -2.13 TMT (Meat), Mushroom - 10-12 q/day

Note: Please give recent data only

# 2.b. Details of operational area / villages (2019-20)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (cropwise)	Identified Thrust Areas
1	Tirtol	Tirtol	Nagapura	Rice, Greengram, Vegetables, Dairy, Poultry	Low yield in rice, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Diary, Low yield in vegetables	IPM in rice, IPDM in vegetables Introduction of high yielding varieties of vegetables, Entrepreneurship development, Farm mechanization
2	Erasama	Ersama	јара	Rice, greengram,Dairy ,Poultry, Psciculture	Low yield in rice, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Diary, Less availability of inputs like seed fertilizer and fingerlings, Underutilization of marine fish	IPM in rice ,Management of saline soil, Fish pond management, Entrepreneurship development, Farm mechanization
3	Kujanga	Kujanga	Bagoi	Rice,greengram, dairy,poultry, vegetables ,Psciculture	Low yield in rice, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Diary, Underutilization of marine fish	IPM in rice , IPDM in vegetables Introduction of high yielding varieties of vegetables, Fish pond management, Entrepreneurship development, Farm mechanization
4	Raghunathpur	Raghunathpur	Gamhapur	Rice, greengram, dairy, poultry, vegetables	Low yield in rice, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield	IPM in rice, IPDM in vegetables Farm mechanization Introduction

					in Diary,	of high yielding varieties of vegetables, Entrepreneurship development
5	Jagatsinghpur	Jagatsinghpur	Gobindapokhari	Rice,greengram, dairy,poultry, Mushroom	Low yield in rice, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Diary,Low yield in mushroom	IPM in rice , Farm mechanization Entrepreneurship development

2. c. Details of village adoption programme: Name of the villages adopted by PC and SMS (2019-20) for its development and action plan

Name of village	Block	Action taken for development
Nagapura	Tirtol	
Bagoi	Kujanga	OFT on submergence tolerant rice varieties
		OFT on Weed management in rice
		FLD on Weed management in green gram
		FLD on Nutrient management in Blackgram
		FLD on Green manuring in rice
Japa	Ersama	FLD on Green manuring in rice
Gamapur	Raghunathpur	OFT on submergence tolerant rice varieties
_		OFT on Weed management in rice
Gobindapokhari	Jagatsinghpur	

#### Priority thrust areas 2.1

S. No	Thrust area
1.	Management of saline soil
2.	IPM and IDM in rice and vegetables
3.	Popularization of scented rice
4.	Introduction of high yielding varieties of vegetables and fruits
5.	Use of plasticulture
6.	Popularization of floriculture and high value crops
7.	IDM in betel vine
8.	Fish pond management

9.	Management practices in Dairy farming
10.	Empowerment of SHGs through agro enterprise
11.	Use of bio-fertilizers and bio-pesticides
12.	Feeding management in small ruminants
13.	Disease management in livestock and poultry
14.	Farm mechanization

# 3. <u>TECHNICAL ACHIEVEMENTS</u>

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

OFT								FLD																
No. of technologies tested:								No. of technologies demonstrated:																
Number of OFTs Number of farmers						Number of FLDs Number of farmers																		
Target	Achievement	Target	Achi	even	nent								Target	Achievement	Target	Achievement								
			SC		ST		Oth	ers	To	Total					SC		ST		Oth	ers	Tot	al		
			M	F	M	F	M	F	M	F	T					M	F	M	F	M	F	M	F	T

	Training										Extension activities												
Numbe	Number of Courses Number of Participants											Number of activities Number of participants											
Target	Achievement	Target	Ach	nievem	ent	Ta			Target	Achievement	Target	Achievement				Î							
			SC		ST		Othe	ers	To	tal					SC		ST	1	Othe	ers	Tot	al	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T

Impa	act of capacity building	Impact	of Extension activities
Number of Participants	Number of Trainees got employment (self/	Number of Participants	Number of participants got employment
trained	wage/ entrepreneur/ engaged as skilled	attended	(self/ wage/ entrepreneur/ engaged as skilled
	manpower)		manpower)

Target	Achievement	SC		ST		Othe	rs	To	tal		Target	Achievement	SC		ST	1	Othe	ers	Tot	al	
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T

Sec	ed production (q)	Plant	ing material (in Lakh)	
Target	Achievement	Target	Achievement	

Livestock strains and	1 fish fingerlings produced (in lakh)*	Soil, water, plant,	manures samples tested (in lakh)
Target	Achievement	Target	Achievement

<sup>\*</sup> Give no. only in case of fish fingerlings

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

# 1 Achievements on technologies assessed and refined

# OFT-1

1.	Title of On farm Trial	Assessment of submergence tolerant rice variety
2.	Problem diagnosed	Lower yield due to less tolerant of local varieties to water logging
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Cultivation of submergence tolerant, Swarna Sub 1 Technology option-II (TO-II): Cultivation of submergence tolerant, CR 1009 sub 1
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack, Odisha,2014 & TNAU, Coimbatore 2015
5.	Production system and thematic area	Rice- Greengram/Black gram/Vegetables & Varietal assessment
6.	Performance of the Technology with performance indicators	Water submergence period, Effective panicles/m <sup>2</sup> , No of Filled grains /Panicle, 1000 grain weight
7.	Final recommendation for micro level situation	Swarna Sub1 performs better than CR 1009 Sub 1
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got better price due to higher yield.

Thematic area: Varietal assessment

Problem definition: Lower yield due to less tolerant of local varieties to water logging

Technology assessed: Technology option-I (TO-I): Cultivation of submergence tolerant, Swarna Sub 1

Technology option-II (TO-II): Cultivation of submergence tolerant, CR 1009 sub 1

Table: 1

Technology	No. of	Y	ield component		Period of	Yield	Cost of	Gross	Net return	BC ratio
option	trials	No. of effective tillers/m <sup>2</sup>	No. of grains per panicle	Test wt. (100 grain wt.)	submergen ce tolerant ( Days)	(q/ha)	cultivation (Rs./ha)	return (Rs/ha)	(Rs./ha)	
FP	7	398	179	21.0	6	39.6	39500	63360	23800	1.60
TO-I	7	482	205	21.8	12	44.8	40500	71380	31180	1.76
TO-II	7	448	193	22.2	14	42.9	40500	68640	28140	1.69

Results: Swarna sub 1 performed better than CR 109 Sub 1 in terms of yield under low land condition.

# OFT-2

1.	Title of On farm Trial	Assessment of herbicides for weed management in transplanted <i>kharif</i> rice
2.	Problem diagnosed	Low yield due to high weed infestation and high cost due to manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Post emergence application of Bispyribac Sodium 10 SC @ 25 ml/ha at 25 DAT Technology option-II (TO-II): Early PoE application of Almix 20 WP (metsulfuron
		methyl 10% + chlorimuron ethyl 10% WP) @ 4 g/ha at 15 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RRTTS, Ranital, Odisha, 2015 & AICRP on Weed management, Odisha, 2015
5.	Production system and thematic area	Rice- Greengram/Black gram/Vegetables & Weed Management
6.	Performance of the Technology with performance indicators	Weed flora composition, Weed control efficiency Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight
7.	Final recommendation for micro level situation	Post emergence application of Bispyribac Sodium 10 SC @ 25 ml/ha at 25 DAT helps the farmers to reduce weed population bellow ETL & at the same time helps to

		increase the yield of Rice
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got better price due to higher yield.

# Thematic area: Varietal assessment

Problem definition: Low yield due to high weed infestation and high cost due to manual weeding

Technology assessed: Technology option-I (TO-I): Post emergence application of Bispyribac Sodium 10 SC @ 25 ml/ha at 25 DAT

Technology option-II (TO-II): Early PoE application of Almix 20 WP (metsulfuron methyl 10% + chlorimuron ethyl 10%

WP) @ 4 g/ha at 15 DAT

Table: 1

Technology	No. of	Y	Yield component				Cost of	Gross	Net return	BC ratio
option	trials	No. of effective	No. of grains per panicle	Test wt. (100	Control efficiency	(q/ha)	cultivation	return (Rs/ha)	(Rs./ha)	
		tillers/m <sup>2</sup>	per pamere	grain	(%)	(4/114)	(Rs./ha)	(KS/Hd)	(K3./11a)	
				wt.)	` ′					
FP	7	336	162	22.1	60.16	38.1	40120	61440	21320	1.53
TO-I	7	482	203	22.2	84.30	16.1	39600	73760	34160	1.86
TO-II	7	398	182	22.2	73.54	42.8	38100	68480	30380	1.79

Results: Post emergence application of Bispyribac Sodium 10 SC @ 25 ml/ha at 25 DAT helps the farmers to reduce weed population bellow ETL & at the same time helps to increase the yield of Rice

# OFT-3

1.	Title of On farm Trial	Assessment of different methods of portrays nursery raising for quality seedling production in tomato.
2.	Problem diagnosed	High seedling mortality in main field
3.	Details of technologies selected for assessment/refinement	Farmers Practice (FP): Seedling rising in Nursery bed.  Technology option-I (TO-I): Use of normal Cocopeat for seedling production using
	(Mention either Assessed or Refined)	CIWA technology.
		Technology option-II (TO-II): Use of Arka Microbial Consortium Fermented Cocopeat for raising seedlings.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIWA, Bhubaneswar & ICAR-IIHR, Bangalore
5.	Production system and thematic area	Vegetable-Vegetable; Nursery management
6.	Performance of the Technology with performance indicators	Seedling mortality percentage, Height and no of leaves per seedling, Days to seedling readiness for transplanting.
7.	Final recommendation for micro level situation	Use of Arka Microbial Consortium fermented Cocopeat for raising seedlings reduces the seedling mortality in main field thereby increases yield by increasing plant population in the main field.
8.	Constraints identified and feedback for research	Arka Microbial Consortium not available in local market.
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmers end as they got better income due to higher yield.

Thematic area: Nursery management

Problem definition: High seedling mortality in main field.

Technology assessed: Technology option-I (TO-I): Use of normal Cocopeat for seedling production using CIWA technology.

Technology option-II (TO-II): Use of Arka Microbial Consortium Fermented Cocopeat for raising seedlings.

Table: 1

Technology	No. of	Yie	Yield component			Yield	Cost of	Gross	Net return	BC ratio
option	trials	Germination	Seedling	Height of	leaves	(q/ha)	cultivation	return	(Rs./ha)	
		%	mortality	seedlings			(Rs./ha)	(Rs/ha)		
			% in field	(cm) at 25						
				days)						
FP	7	92.7	14.9	8.4	9.2	242.2	72200	145398	73198	2.01
TO-I	7	97.6	2.4	10.1	12.1	376.12	78640	227246	148606	2.88
TO-II	7	98.4	1.2	10.8	12.4	396.22	78800	237852	159052	3.01

Results: Use of Arka Microbial Consortium fermented Cocopeat for raising seedlings reduces the seedling mortality in main field thereby increases yield by increasing plant population in the main field.

# OFT-4

1.	Title of On farm Trial	Assessment of drumstick varieties for higher yield.
2.	Problem diagnosed	Low yield of local cultivars.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Cultivation of local cultivars.  Technology option-I (TO-I): Drumstick variety Bhagya.  Technology option-II (TO-II): Drumstick variety PKM-1.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SAU (UHS, Bagalkot) & SAU(TNAU, Coimbatore).
5.	Production system and thematic area	Vegetable-Vegetable ; Varietal evaluation

6.	Performance of the Technology with	Pod length, No of pods per plant, Pod yield (q/ha)
	performance indicators	
7.	Final recommendation for micro level	Ongoing
	situation	
8.	Constraints identified and feedback for	NA
	research	
9.	Process of farmers participation and their	NA
	reaction	

Thematic area: Varietal assessment.

Problem definition: Low yield of local cultivars.

Technology assessed: Technology option-I (TO-I): Drumstick variety Bhagya.

Technology option-II (TO-II): Drumstick variety PKM-1.

Table: 1

Technology	No. of	Yield component		Yield	Cost of	Gross	Net return	BC ratio
option	trials	Plant	Number of	(q/ha)	cultivation	return	(Rs./ha)	
		height(cm)	branches		(Rs./ha)	(Rs/ha)		
		at 180 DAP						
FP	7	165.1	4.3	Ongoing				
TO-I	7	195.3	7.6					
TO-II	7	180.4	6.8					

Results: Awaited

# OFT-5

1.	Title of On farm Trial	Assessment of 3-row Rice transplanter in Rice for drudgery reduction of farmwomen						
2.	Problem diagnosed	High drudgery in manual transplanting of paddy						
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Line transplanting of paddy seedling with recommended line spacing of 20cm with the help of rope  Technology option-II (TO-II): Transplanting of paddy seedling by 3 row rice transplanter						
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Ergonomics & Safety in Agri., CAET, OUAT 2014						
5.	Production system and thematic area	Paddy-Vegetable						
6.	Performance of the Technology with performance indicators	Output(m2/hr), Energy expenditure (KJ/Min), Heartbeat (beats/min), Increase in efficiency(%), Drudgery(%)						
7.	Final recommendation for micro level situation	Performance of 3-row rice transplanter is better than manual transplanting and line transplanting to reduce drudgery of farmwomen						
8.	Constraints identified and feedback for research							
9.	Process of farmers participation and their reaction	Active participation of farmwomen from planning to execution. Encouraging response from the farmwomen regarding drudgery aspects						

Thematic area: Varietal assessment

Problem definition: High drudgery in manual transplanting of paddy

Technology assessed: Technology option-I (TO-I): Line transplanting of paddy seedling with recommended line spacing of 20cm with the help of rope..

Technology option-II (TO-II): Transplanting of paddy seedling by 3 row rice transplanter

Table: 1

Technology	No.	of	Field	WHR	Increase	in	DrudgeryRe	EER(Kj/mi	Cost of	Gross return	Net return	BC ratio
option	trials		capacity/output	(beats/	efficiency(	%)	duction(%)	n/sq.mt)	cultivation(R	(Rs/ha)		
			(sq.mt./hr.)	min)					s./ha)		(Rs./ha)	
FP	7		66	114	-		-	8.5	45000	62400	17400	1.38
TO-I	7		50	112	24 (-)		28(-)	10.9	46700	66000	19800	1.41
TO-II	7		130	119	96		36	5.4	43000	67200	24200	1.56

Results: Performance of 3-row rice transplanter is better than manual transplanting and line transplanting to reduce drudgery of farmwomen

# OFT-6

1.	Title of On farm Trial	Assessment of humidity/moisture management in paddy straw mushroom in low temp.
		temp.
2.	Problem diagnosed	Low yield of paddy straw mushroom due to low humidity and environmental rise in

		temperature
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Cultivation of paddy straw mushroom with bundle straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition.
		Technology option- II (TO-II): Cultivation of paddy straw mushroom with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT-2014 (KVK- Bargarh)
5.	Production system and thematic area	Mushroom-Nushroom
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investmen, Yield (kg/bed), B:C ratio, Days to first flush, Size of fruit budding, Average fruit body wt. Pin head appearance (Days), Biological efficiency,
7.	Final recommendation for micro level situation	Yield of mushroom is better with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmwomen are interested to adopt this technology

Thematic area: Varietal assessment

Problem definition: Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature

Technology assessed: Technology option-I (TO-I): Cultivation of paddy straw mushroom with bundle straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition.

Technology option-II (TO-II): Cultivation of paddy straw mushroom with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall

Table: 1

Technology option	No. of trials	Production/ unit (10 beds)	Biological efficiency(%)	Cost of input(Rs/)	Incremental income (Rs/)	Net Income (Rs/)	BC Ratio
FP	7	8	8	800	1440	640	1.8
TO-I	7	9.23	9.23	870	1661	791	1.9
TO-II	7	12	12	900	2160	1210	2.4

Results: Yield of mushroom is better with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / walls

# OFT-7

1.	Title of On farm Trial	Assessment of zinc deficiency in lowland rice
2.	Problem diagnosed	Low yield due to Zn deficiency
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: Soil Test Based Recommendation (STBR) NPK+ Zn @ 5 kg ha <sup>-1</sup> TO-2: STBR NPK + 5t FYM ha <sup>-1</sup> + Zn @ 2.5 kg ha <sup>-1</sup>
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on LTFE, OUAT, Bhubaneswar, Odisha, 2014 AICRP on Micronutrient, OUAT, Bhubaneswar, Odisha, 2014
5.	Production system and thematic area	Rice-Green/Black Gram & Nutrient Management
6.	Performance of the Technology with performance indicators	Initial and after harvest soil test value, Root growth (cm), Plant height, No. of tillers m <sup>2</sup> , No. of filled grain per panicle, 1000 grain weight (gm), Cost of intervention. Additional income over additional investment Yield (q ha <sup>-1</sup> ), B:C ratio
7.	Final recommendation for micro level situation	STBR NPK + 5t FYM ha <sup>-1</sup> + Zn @ 2.5 kg ha <sup>-1</sup> gives better yield
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got better price due to higher yield.

Thematic area: Varietal assessment

Problem definition: Low yield due to Zn deficiency

Technology assessed: Technology option-I (TO-I): Soil Test Based Recommendation (STBR) NPK+ Zn @ 5 kg ha<sup>-1</sup>

Technology option-II (TO-II): STBR NPK + 5t FYM  $ha^{-1}$  + Zn @ 2.5 kg  $ha^{-1}$ 

Table: 1

Technology	No. of	Yield component			Root Length	Yield	Cost of	Gross	Net return	BC ratio
option	trials	No. of	No. of	Test wt.	(cm) at 55		cultivation	return		
		effective	grains per	(100	DAT	(q/ha)		(Rs/ha)	(Rs./ha)	
		tillers/m <sup>2</sup>	panicle	grain wt.)			(Rs./ha)			
FP	8	402	171	21.4	10.2	36.1	37500	57760	20260	1.54
TO-I	8	429	184	22.4	12.5	39.3	40000	62880	22880	1.57
TO-II	8	452	198	22.7	13.7	43.8	43200	70080	26880	1.62

Results: STBR NPK + 5t FYM  $ha^{-1}$  + Zn @ 2.5 kg  $ha^{-1}$  gives better yield

# OFT-8

1.	Title of On farm Trial	Assessment of Sulphur and Boron for curd quality and higher yield in cauliflower
2.	Problem diagnosed	Low curd keeping quality, flavour and yield due to secondary and micro nutrient
		deficiency
3.	Details of technologies selected for	TO-1: STB R(NPK) + Sulphur @ 30 kg ha <sup>-1</sup> as basal application
	assessment/refinement	TO-2: STBR (NPK) + Sulphur @ 30 kg ha <sup>-1</sup> + 1 kg Boron as basal application
	(Mention either Assessed or Refined)	TO-3: STBR (NPK) + 1 kg Boron as basal application
4.	Source of Technology (ICAR/	AICRP on Micronutrient, OUAT, Bhubaneswar, Odisha, 2016
	AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Rice-Green/Black Gram/ Vegetables & Nutrient Management
6.	Performance of the Technology with	Curd weight (gm), plant spread (cm), no. of days harvesting, soil test value (before
	performance indicators	sowing and after harvesting)
7.	Final recommendation for micro level situation	STBR (NPK) + Sulphur @ 30 kg ha-1 + 1 kg Boron as basal application is
		recommended for higher yield in cauliflower.
8.	Constraints identified and feedback for research	

9.	Process of farmers participation and their	Active participation of farmer from planning to execution. Encouraging response
	reaction	from the farmer end as they got better price due to higher yield.

Thematic area: Varietal assessment

Problem definition: Low curd keeping quality, flavour and yield due to secondary and micro- nutrient deficiency

Technology assessed: TO-1: STBR (NPK) + Sulphur @ 30 kg ha<sup>-1</sup> as basal application

TO-2: STBR (NPK) + Sulphur @ 30 kg ha<sup>-1</sup> + 1 kg Boron as basal application

TO-3: STBR (NPK) + 1 kg Boron as basal application

Table: 1

Technology	No. of	Yield	Yield	Cost of cultivation	Gross return	Net return	BC ratio
option	trials	component	(q/ha)	(Rs./ha)	(Rs/ha)	(Rs./ha)	
		Curd weight(g)					
FP	7	336.22	232.8	75400	186240	110840	2.47
TO-I	7	516.41	258.6	77200	206880	129680	2.67
TO-II	7	542.48	286.2	78400	228960	118197	2.92
TO-III	7	528.32	271.6	76200	217280	141080	2.85

Results: STBR (NPK) + Sulphur @ 30 kg ha-1 + 1 kg Boron as basal application gives highest yield and B:C ratio.

# Please provide all the OFTs in same format

- 3.2 Achievements of Frontline Demonstrations
- A. Details of FLDs conducted during the year

Cereals

S1.	Crop	Thematic area	Technology Demonstrated	Area (	ha)				farmers/ astration	Reasons for shortfall in
No.			with detailed treatments	Proposed	Actual	SC	ST	Other s	Total	achievement

						M	F	M	F	M	F	M	F	Т	
1.	Rice	Problem Soil Management	Green manuring through Sesbania aculeate in paddy to reduce the salinity problem	2	2	2	0	0	0	8	0	10	0	10	-
2.	Groundnut	Weed management	Application of Early post emergence Imazethapyr application @750 ml /ha for weed management in groundnut	2	2	2	0	0	0	8	0	10	0	10	-
3.	Green gram	Nutrient management	Application of 2% Urea in green gram with STBR for yield enhancing	2	2	1	0	0	0	9	0	10	0	10	-
4	Chilli	Integrated crop management	Demonstration of Chilli variety "Arka Harita"	1.0	1.0	3	0	0	0	7	0	10	0	10	
5	Tomato	Integrated crop management	Demonstration of Tomato variety "Arka Rakshak	1.0	1.0	4	0	0	0	6	0	10	0	10	
6.	Okra	Nutrient management	Application of Arka vegetable Micro-nutrient formulation as spray after flowering @10-20 g/litre	1	1	3	0	0	0	7	0	10	0	10	
7.	Cauliflower	Nutrient management	Soil Test based Fertilizer+ Seed treatment with Arka Microbial Consortium @ 10g/100g seed + Soil application with 5 kg AMC mixed with 500 kg FYM. It is a carrier based product which contains N-fixing, P & Zn solubilizing and plant growth promoting microbes as a single formulation which reduces cost of	1	1	5	0	0	0	5	0	10	0	10	

			cultivation and increases yield by 10-15%.												
8.	Capsicum	Varietal Substitutio n	Variety- Indra- F1, medium early, very productive variety Average fruit wt170 g Expected yield -350-400 qt./ha.	1	1	5 (	0 (	0	0	5	0	10	0	10	
9.	Yard Long Bean	Varietal Substitution	Cultivation of Yard long bean variety "Arka Mangala"	1	1	6 (	0 (	0	0	4	0	10	0	10	
10	Mushroom	Mushroom cultivation	During low temp. cultivation of Oyster mushroom var: Hyspizyous ulmarious	200 beds	200 beds	0 0	0 0	O	4	0	6	0	1 0	10	
11	Mushroom	Mushroom cultivation	Production of paddy straw mushroom with threshed straw	200 beds	200 beds	0 (	) (	0	3	0	7	0	1 0	10	
12	HYV vegetable	Nutritional security	Vegetable 10 plots:spinach,amaranthus,c oriander,carrot, radish,tomato,cauliflower,c abbage,cowpea,cucurbits in fencing according to the season with papaya,drumstick,lime in one side	0.2 ha	0.2 ha	0 (	0 (	0	2	0	3	0	0 5	05	

### Details of farming situation

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

				N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O					
				11	1203	1120					
Rice	Kharif	Rainfed									
Chili	Rabi2018-19	Irrigated	Alluvial soil	210- 272	15- 34	132-217	Cucumber/ Bitter gourd	22.10.18 - 30.10.18	24.2.19- 16.3.19	195.6	6.5
Tomato	Rabi2018-19	Irrigated	Alluvial soil	210- 272	15- 34	132-217	Cucumber/ Bitter gourd	13.10.18 - 20.10.18	21.2.19-7.3.19	216.8	11
Okra	Kharif	Rainfed	Alluvial soil	210- 272	15-34	132-217	Beans/ Cowpea	22.9.19- 30.9.19	24.12.19 - 31.12.19	480.8	20.2
Cauliflower	Rabi	Irrigated	Alluvial soil	210- 272	15- 34	132-217	Cucumber/ Bitter gourd	04.09.19 - 12.09.19	11.11.19- 16.11.19	392.5	17.9
Capsicum	Rabi	Irrigated	Alluvial soil	210-272	15-34	132-217	Bitter gourd	01.11.19- 03.11.19	24.03.20- 31.03.20	124.5	4.3
Yard Long Bean	Rabi	Irrigated	Alluvial soil	210- 272	15- 34	132-217	Cucumber	13.10.19- 16.10.19	16.01.20- 30.01.20	275.6	10.8

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

C	Thematic	Name of the	No. of	Area	Yield	(q/ha)	%	*Econ	omics of (Rs./	demonstra 'ha)	ation	*E	conomic (Rs./	s of checl 'ha)	K
Crop	Area	technology demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
								Cost	Return	Return	BCR	Cost	Return	Return	BCR
Groundnut	Nutrient Management	Application sulpher @ 30 kg/ha and Boron @ 1.25 kg /ha as Borax	10	1	19.2	15.8	21.51	43470	92160	58690	2.12	41400	75840	34440	1.83
Total															

<sup>\*</sup> 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

Cons	Thematic	None of the Angle	No. of	Area	Yield	(q/ha)	%	*Eco	nomics of (Rs.	demonstra /ha)	ation	*	Economic (Rs.	s of check /ha)	Ξ
Crop	Area	Name of the technology demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Blackgram	Nutrient Management	Application of RDF of Blackgram in shape of DAP and MOP at PI stage of Rice and foliar application of 1% DAP+1% MOP at 20 and 40 DAS of Blackgram	10	2	7.3	5.6	23.28	19200	43800	24600	2.28	17200	33600	16400	1.95
Greengram	Weed management	Post emergence application of Quizalofop ethyl 5 EC @ 50 ml/ha at 20-25 DAS	10	2	8.0	5.6	30.00								
Green gram	Nutrient management	Application of 2% Urea in green gram with for yield enhancing	10	2	6.96	5.73	14.4	18470	41760	23290	2.26	17450	34380	16930	1.97
Т	Total														

<sup>\*</sup> 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

G	Thematic	Name of the	No. of	Area	Yield (	(q/ha)	% change	Other pa	rameters	*Eco	onomics of (Rs./		ion	*	Economics (Rs./l		
Crop	area	technology demonstrated	Farmer	(ha)	Demons ration	Check	in yield	Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	Problem Soil Management	Green manuring through Sesbania aculeate in paddy to reduce the salinity problem	10	2	26.8	22.6	18.58	Panicles/m²: 178 Grains/Panicle: 84	Panicles/m <sup>2</sup> : 152 Grains/Panicle: 72	27500	42880	15380	1.56	25000	36160	11160	1.43
Rice	Soil health management	STBR NPK + foliar spray of 0.25% borax at Panicle Initiation stage and at pre flowering stage.	10	2	41.7	38.4	8.59	Panicles/m²: 393 Grains/Panicle: 189	Panicles/m²: 380 Grains/Panicle: 151	39500	66720	27220	1.67	38500	61440	22940	1.59
Tomato	Soil health management	STBR NPK(120:60:80 kg/ha) + FYM@10 t/ha + S @ 25 kg/ ha at the time of transplanting	10	2	431.9	375.6	13.03	Yield/plant- 6.24 kg	Yield/plant- 4.46 kg	78800	215950	137150	2.74	76200	187800	111600	2.46
Chilli	Integrated crop management	Demonstration of Chilli variety "Arka Harita"	10	1.0	282.61	224.81	25.71	Plant height at 120 DAT- 95.42 cm Yield/plant- 1.37 kg	Plant height at 120 DAT- 78.16 cm Yield/plant- 0.96 kg	68600	226088	64580	3.29	62400	179848	25730	2.88
Готаtо	Integrated crop management	Demonstration of Tomato variety "Arka Rakshak	10	1.0	396.42	242.33	63.58	Plant height at 120 DAT- 102.55 cm Yield/plant- 7.10 kg	Plant height at 120 DAT- 64.21 cm Yield/plant- 4.23 kg	78800	237852	87520	3.01	72200	145398	46600	2.01

Okra	Nutrient Management	Demonstration of Arka vegetable Micro-nutrient formulation as spray after flowering @10-20 g/litre.	10	1	116.4	102.6	13.45	No. of fruits/plant- 14.30	No. of fruits/plant- 12.60	42800	116400	73600	2.71	41400	102600	61200	2.47
Cauliflower	Nutrient Management	Demonstration of Arka Microbial Consortium (Microbial Plant Growth Promoters) for enhancing yield in Cauliflower	10	1	282.6	248.9	13.53	Curd weight(g)- 549.84	Curd weight(g)- 486.40	78600	226080	118197	2.87	78400	199120	103710	2.53
Capsicum	Varietal Substitution	Demonstration of Capsicum variety- Indra	10	0.4	365.4	249.5	46.45	No. of fruits/plant- 14.32 Fruit wt.(g)- 180.22	No. of fruits/plant- 10.16 Fruit wt.(g)- 120.45	67600	292320	224720	4.32	59200	119600	60400	2.02
Yard long bean	Varietal Substitution	Demonstration of Yard Long Bean variety "Arka Mangala" for higher yield	10	1	248.8	208.4	19.38	No. of pods/plant-38 Length of pods(cm)- 70.6	No. of pods/plant-26 Length of pods(cm)- 58.2	45500	149280	103780	3.28	39300	83360	44060	2.12
		Total							<u> </u>				1	1	Ï	1	1

# Livestock

Cotogory	Thematic	Name of the technology	No. of	No.of	Major pa	arameters	% change	Other par	rameter	*Eco	nomics of (Rs		ation	*]	Economics (Rs		k
Category	area	demonstrated	Farmer	units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy														•			

Cow							
Buffalo							
Poultry							
Rabbitry							
Pigerry							
Sheep and							
goat							
Duckery							
Others							
(pl.specify)							
Total							

<sup>\*</sup> 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

Cotogomi	Thematic area	Name of the technology demonstrated	No. of	No.of	Major parameters		% change in	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
Category			Farmer	units	Demons ration	Check	major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Varietal	Demonstration															
	sustitution	of Amur carp in															
		composite															
Common carps		pisciculture	5	2	Ongoing												
Mussels																	
Ornamental fishes																	
	Varietal	Demonstration															
	sustitution	of Jayanti Rohu															
		in composite															
Others (pl.specify)		carp culture	5	2	Ongoing												
		Total					•										

Other enterprises

Category	Name of the technology demonstrated	No. of	No.of	Major pa	arameters	% change	Other p	parameter	*Economics of demonstration (Rs.) or Rs./unit				*]	C		
		Farmer	units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	(Rs.) or Gross Return	Net Return	** BCR
Oyster mushroom	During low temp. cultivation of Oyster mushroom var: Hyspizyous ulmarious Enterprise development	10	20	Production/unit (10 beds)= 23kg	Production/unit (10 beds) = 20 kg	15	Biological efficiency(%) =115 Wt. of fruiting bodies=50 gm.	Biological efficiency(%)=100 Wt. of fruiting bodies=40 gm.	400	1840	1440	4.6	400	1600	10	20
Paddy straw mushroom	Production of paddy straw mushroom with threshed straw	10	20	Production/unit (10 beds) =8 kg	Production/unit (10 beds)=10 kg	20 (-)	Amt. of straw used (Kg)=100 Biological efficiency(%)=10	Amt. of straw used (Kg) =50 Biological efficiency(%)=16	800	1800	1000	2.25	600	1440	10	20

<sup>\*</sup> 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

A mutritional garden with trailis structure, evernal garden with protection of compost unit, protection of constructure, evernal garden of compost unit, protection of composition of constructure, evernal production of constructure, evernal protection of constructure, evernal production of constructure, evernal protection of constructure, evernal production of constructure, evernal protection of constructure, evernal production of constructure, evernal pr												
cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8 x4 x2.5' with release of earthworm (variety: Eisenia foetida) @ 1kg per quintal of waste material.	Nutritional garden	garden with trailis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household	5	vegetable /day	vegetable /day	140	vegetable /day/family=1 kg Annual yield/10 plots (Kg) (Plot size 10 ft x	vegetable /day/family-1.52 kg Annual yield/10 plots (Kg) (Plot size 10 ft x 10				
cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8 x4 x2.5' with release of earthworm (variety: Eisenia foetida) @ 1kg per quintal of waste material.		Composting										
Sericulture	Vermicompo	cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8'x4'x2.5' with release of earthworm (variety: Eisenia foetida) @ 1kg per quintal of waste	5	CONTINUI	NG							
	Sericulture											

									30	
	Apiculture									
	Others									
(	(pl.specify)									
		Total								

<sup>\*</sup> 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

Catagory	Name of tacky along	No of domonotustions	Observat	ions	Damanlya
Category	Name of technology	No. of demonstrations	Demonstration	Check	Remarks
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

#### Farm implements and machinery

Name of the	Crop	Name of the technology	No. of	Area	Filed obs (output/m		% change in major	La	bor reduction	on (man day	/s)	Cost red	luction (Rs.	/ha or Rs./Ui	nit)
implement	Стор	demonstrated	Farmer	(ha)	Demons ration	Check	parameter								

<sup>\*</sup> 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 par	ameter		Economic	s (Rs./ha)	
Cereals				Demo	Local	%	Gross	Gross	Net	BCR

					check	change	Cost	Return	Return	
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Green gram										
Black gram										
Benga lgram										
Red gram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato	Arka	10	1.0	396.42	242.33	63.58	78800	237852	87520	3.01

	Rakshak									
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)- Chilli	Arka Harita	10	1.0	282.61	224.81	25.71	68800	226088	64580	3.29
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
	Chili	Chili var Arka Harita is a F1 hybrid with higher yield, More return, liked by people, suitable for local market, tolerant to powdery mildew and wilt disease.
	Tomato	Tomato var. Arka Rakshak is an excellent hybrid, Higher yield, No wilt seen, more demand in Cuttack and Paradeep market.
	Okra	Arka vegetable Micro-nutrient formulation as spray after flowering @10-20 g/litre helps in increasing fruit set and yield.
	Cauliflower	Arka Microbial Consortium (Microbial Plant Growth Promoters) helps in increasing curd size and yield.
	Capsicum	Capsicum variety- Indra has very shiny, bulky and high quality fruit, it is a good hybrid with higher yield, No wilt seen.
	Yard long bean	Yard Long Bean variety "Arka Mangala" is a good variety with tender and long green pods having local demand, higher yield.

### Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	11.01.2019, 16.01.2019	2	100	Field days
2.	Farmers Training	29.07.2019,20.09.2019	2	60	Farmers Training
3.	Media coverage				
4.	Training for extension				
	functionaries				

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

#### A. Technical Parameters:

S1.	Crop	Existing	Existin	Yield	d gap (l	Kg/ha)	Name of	Numb	Are	Yiel	d obtai	ned	Ŋ	lield	i
No	demonstrat	(Farmer'	g yield		w.r.to	)	Variety +	er of	a in		(q/ha)			gap	
	ed	s)	(q/ha)	Distri	Stat	Potenti	Technolog	farmer	ha				mi	nimi	ze
		variety		ct	e	al	у	s						d	
		name		yield	yiel	yield	demonstrat							(%)	
				(D)	d	(P)	ed			Ma	Mi	Av	D	S	P
					(S)					x.	n.				

### **B.** Economic parameters

S1.	Variety	F	armer's Exi	isting plot			Demon	stration plo	t
No.	demonstra								
	ted &	Gross	Gross	Net	B:C	Gross	Gross	Net	B:C
	Technolog	Cost	return	Return	ratio	Cost	return	Return	ratio

у	(Rs/ha)	(Rs/ha)	(Rs/ha)	(Rs/ha)	(Rs/ha)	(Rs/ha)	
demonstra							
ted							

#### C. Socio-economic impact parameters

Ī	Sl.	Crop and	Total	Produce sold	Selling	Produc	Produce	Purpos	Employment
	No	variety	Produce	(Kg/household	Rate	e used	distribute	e for	Generated
		Demonstrate	Obtaine	)		for own	d to other	which	(Mandays/hous
		d	d (kg)		(Rs/Kg	sowing	farmers	income	e hold)
					)	(Kg)	(Kg)	gained	
								was	
								utilized	

### D. Oilseed Farmers' perception of the intervention demonstrated

S1.	Technologie			Farmers' Pe	rception pa	rameters	
No	S	Suitabilit	Likings	Affordabilit	Any	Is	Suggestions, for
	demonstrate d (with name)	y to their farming system	(Preference	у	negativ e effect	Technology acceptable to all in the group/villag e	change/improvement, if any

## E. Specific Characteristics of Technology and Performance

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

## F. Extension activities under FLD conducted:

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

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

## H. Farmers' training photographs

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

## J. Details of budget utilization

Crop	Items	Budget	Budget	Balance
(provide crop		Received	Utilization	(Rs.)
wise		(Rs.)	(Rs.)	
information )				
	i) Critical input			
	ii) TA/DA/POL etc.			
	for monitoring			
	iii) Extension			
	Activities (Field day)			
	iv)Publication of			
	literature			
	Total			

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

### A) Farmers and farm women (on campus)

Thematic Area	No. of		No. of Participants										ıl
	Courses		Other			SC	_		ST		1		
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high													
value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables	_										_		
Grading and standardization													
Protective cultivation													
Others													

Thematic Area	No. of	No. of Participants Other SC ST								Grand Total			
	Courses		Other		SC ST								
		M	F	T	M	F	T	M	F	T	M	F	T
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards Rejuvenation of old orchards													
3													
Export potential fruits  Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants		<b>-</b>					<b>-</b>						
Propagation techniques of Ornamental		<b>-</b>					<b>-</b>						
Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management													
technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
technology													
Post harvest technology and value													
addition													
Others Total (g)		-					-			-			
Total (g) Total(a-g)		-					-			-			
III. Soil Health and Fertility													
Management													
Soil fertility management							<u> </u>			<del>                                     </del>			
Integrated water management							<u> </u>			<del>                                     </del>			
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Datance USE Of TETHIIZEI		<u> </u>		<u> </u>		<u> </u>	<u> </u>	l					

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
Soil & water testing													<b>-</b>
others Total													
IV. Livestock Production and													
Management													
Dairy Management													
Poultry Management													
Piggery Management												-	
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others												1	
Total													
V. Home Science/Women													
empowerment												<u>_</u> '	<u>L_</u>
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of													 
low/minimum cost diet													
Designing and development for high													1
nutrient efficiency diet													
Minimization of nutrient loss in													
processing													<b></b>
Processing & cooking												<u> </u>	-
Gender mainstreaming through SHGs													
Storage loss minimization techniques		_	20	20		_	_			0		20	20
Value addition	1	0	30	30	0	0	0	0	0	0	0	30	30
Women empowerment												<u> </u>	
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	1	10	10	20	09	01	10	0	0	0	19	11	30
Total	2	10	40	50	09	01	10	0	0	0	19	41	60
VI. Agril. Engineering	-	- 10											
Farm machinery & its maintenance													
Installation and maintenance of micro													
irrigation systems													
Use of Plastics in farming practices													
Production of small tools and													
implements													
Repair and maintenance of farm													
machinery and implements													
Small scale processing and value													
addition				<u> </u>								<u> </u>	<del></del>
Post Harvest Technology		<u> </u>		<u> </u>								<u> </u>	
Others				-									
VII Plant Protection		<del>                                     </del>		1									
VII. Plant Protection Integrated Past Management													
Integrated Pest Management													
Integrated Disease Management BioOcontrol of pests and diseases		<u> </u>		-									
Production of bio control agents and		-		-				-				<u> </u>	
bio pesticides												1	
Others													
Outels	L	1	1	1	1	İ	İ	1		<u> </u>	I		

Thematic Area	No. of	No. of Participants Other SC ST									Gran	d Tota	l
	Courses										<u> </u>		
		M	F	T	M	F	T	M	F	T	M	F	T
Total													
VIII. Fisheries								<b>├</b> ──	<u> </u>	-		-	
Integrated fish farming	1	-	-		-	<u> </u>		<u> </u>	<u> </u>			<b> </b>	
Carp breeding and hatchery												ł	
management					+	├──						-	
Carp fry and fingerling rearing Composite fish culture	-	1			+	<del>                                     </del>		<del>                                     </del>	-		-	-	
Hatchery management and culture of	-				-							-	
freshwater prawn												ł	
Breeding and culture of ornamental													
fishes												ł	
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming							İ						
Pearl culture													
Fish processing and value addition	-				+			<b>†</b>					
Others	-				+			<b>†</b>					
Total	<del> </del>	<del>                                     </del>			+		<del>                                     </del>	1					
IX. Production of Input at site					+			<del>                                     </del>					
Seed Production					+								
Planting material production					+								
BioOagents production													
BioOpesticides production													
Bio0fertilizer production					+								
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings												1	
Production of Bee0colonies and wax													
sheets												<u> </u>	
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed									<u> </u>			<u> </u>	
Mushroom production												<b> </b>	
Apiculture			<u> </u>		<u> </u>			<u> </u>				ļ	
Others			<u> </u>	<u> </u>				<u> </u>	<u> </u>			<b></b>	
Total					<u> </u>			<u> </u>	<u> </u>			<b> </b>	
X. Capacity Building and Group												ł	
Dynamics		-			-			<u> </u>	-			-	
Leadership development Group dynamics				-	-			<u> </u>	-			-	
Formation and Management of SHGs					-			<u> </u>	<del>                                     </del>		ļ	-	
Mobilization of social capital	-	<del>                                     </del>		$\vdash$	+	<del>                                     </del>	-	<del>                                     </del>	<del>                                     </del>	-	<u> </u>	<del>                                     </del>	<u> </u>
Entrepreneurial development of		<del>                                     </del>		<del>                                     </del>	+			<del>                                     </del>		-	<u> </u>		
farmers/youths				1									
WTO and IPR issues		<del>                                     </del>		$\vdash$	+		<u> </u>	<del>                                     </del>		+	<del>                                     </del>		
Others	<del> </del>	<u> </u>			+			<u> </u>		<u> </u>			
Total	+	<del>                                     </del>			+		<del>                                     </del>	1					
XI. Agro forestry		<del>                                     </del>	<del>                                     </del>	$\vdash$	+			†	<b>†</b>	<del>                                     </del>	<del>                                     </del>		
Production technologies			+		+			<del>                                     </del>	<b>†</b>	<del>                                     </del>			
Nursery management					+			<u> </u>					
Integrated Farming Systems		<del>                                     </del>	<del>                                     </del>	$\vdash$	+			†	<b>†</b>	<del>                                     </del>			
Others		<del>                                     </del>	<del>                                     </del>	$\vdash$	+			†	<b>†</b>	<del>                                     </del>			
Total		<del>                                     </del>	<del>                                     </del>	$\vdash$	+			†	<b>†</b>	<del>                                     </del>			
XII. Others (Pl. Specify)		<u> </u>	<u> </u>		+			<b>†</b>	<b>†</b>	<del>                                     </del>			
GRAND TOTAL				<b> </b>	+			<u> </u>					
January 101111	1	1	1	1			1	1	ь	1	1	ı	1

## 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		
Nursery Management of Horticulture crops	1	16	0	16	4	0	4	0	0	0	20	0	20		
Training and pruning of orchards															
Protected cultivation of vegetable															
crops															
Commercial fruit production															
Integrated farming															
Seed production	2	37	0	37	3	0	3	0	0	0	40	0	40		
Production of organic inputs	1	16	0	16	4	0	4	0	0	0	20	0	20		
Planting material production															
Vermiculture  Mushroom Production															
Beekeeping Beekeeping															
Sericulture															
Scriediture															
Repair and maintenance of farm															
machinery and implements															
Value addition															
Small scale processing															
Post Harvest Technology															
Tailoring and Stitching															
Rural Crafts															
Production of quality animal products															
Dairying															
Sheep and goat rearing															
Quail farming															
Piggery															
Rabbit farming															
Poultry production															
Ornamental fisheries															
Composite fish culture															
Freshwater prawn culture															
Shrimp farming															
Pearl culture															
Cold water fisheries															
Fish harvest and processing technology															
Fry and fingerling rearing	1	20	0	20	0	0	0	0	0	0	20	0	20		
Others	1	17	0	17	3	0	3	0	0	0	20	0	20		

Thematic Area	No. of			No	o. of F	Particip	oants				Gran	d Tota	ıl
	Courses		Other		SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total													

## **C)** Extension Personnel (on campus)

Thematic Area	No. of	No. of Participants Other SC ST									Gran	d Tota	ıl
	Courses		Other										
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field													
crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm													
machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet													
designing													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other (IFS)	1	12	3	15	3	2	5	0	0	0	15	5	20
Total													

## D) Farmers and farm women (off campus)

Thematic Area	No. of			No	o. of F	Particip	pants				Gran	d Tota	al
	Courses		Other			SC			ST				
		M	F	T	M	F	Т	M	F	T	M	F	Т
I. Crop Production													
Weed Management	2	49	0	49	11	0	11	0	0	0	60	0	60
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation	1	29	1	30	0	0	0	0	0	0	29	1	30
Seed production													
Nursery management													
Integrated Crop Management	1	14	10	24	3	2	5	0	0	0	17	13	30
Soil & water conservation													
Integrated nutrient Management	3	45	15	37	21	10	23	0	0	0	66	24	90
Production of organic inputs													
Others													
Total	7	137	26	140	35	12	49	0	0	0	172	38	210
II. Horticulture													

Thematic Area	No. of			N	o. of <b>I</b>	Particij	pants				Gran	d Tota	al
	Courses		Other			SC			ST	1		1	
		M	F	T	M	F	T	M	F	T	M	F	Т
a) Vegetable Crops													
Production of low volume and high													
value crops													
Off0season vegetables	2	4.1	0	4.1	10		10	0	0	0	60	0	(0)
Nursery raising	2	41	0	41	19	0	19	0	0	0	60	0	60
Exotic vegetables													
Export potential vegetables													
Grading and standardization  Protective cultivation	6	148	0	148	32	0	32	0	0	0	180	0	180
Others	0	148	U	148	32	U	32	U	U	U	180	U	180
Total (a)													<u> </u>
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards	<u> </u>				<del>                                     </del>		<del>                                     </del>						<del>                                     </del>
Rejuvenation of old orchards					-								-
Export potential fruits							<del>                                     </del>						+
Micro irrigation systems of orchards													
Plant propagation techniques													1
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental													
Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management													
technology	ļ				<u> </u>							<u> </u>	<u> </u>
Processing and value addition	1				<u> </u>								<u> </u>
Others													<u> </u>
Total (f)													-
g) Medicinal and Aromatic Plants					-		<u> </u>	-					
Nursery management					1								<del>                                     </del>
Production and management													
technology Post leaves to the leaves described													
Post harvest technology and value													
addition	1												<u> </u>
Others Total (a)	1												<u> </u>
Total (g)					1								<u> </u>
Total(a-g)		1											

Thematic Area	No. of			N	o. of I	Partici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
III. Soil Health and Fertility													
Management													
Soil fertility management	2	40	5	45	12	3	15	0	0	0	52	8	60
Integrated water management	2	40	3	43	12	3	13	U	U	U	32	0	00
Integrated Nutrient Management													
Production and use of organic inputs	1	26	0	26	4	0	4	0	0	0	30	0	30
Management of Problematic soils	2	40	9	49	6	5	11	0	0	0	46	14	60
Micro nutrient deficiency in crops	1	30	0	30	0	0	0	0	0	0	30	0	30
Nutrient Use Efficiency													
Balance Use of fertilizer	1	3	20	23	0	7	7	0	0	0	3	27	30
Soil & water testing	1	20	2	22	7	1	8	0	0	0	27	3	30
others													
Total	0	159	36	195	29	16	45	0	0	0	188	52	240
IV. Livestock Production and													
Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women													
empowerment													
Household food security by kitchen	1	21	07	28	02	0	02	0	0	0	23	07	30
gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high													
nutrient efficiency diet													
Minimization of nutrient loss in													
processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction													
technologies								L	<u></u>				
Rural Crafts													
Women and child care													
Others(Mushroom cultivation)	4	0	93	93	0	27	27	0	0	0	0	120	120
Others (3-row rice transplanter)	1	0	28	28	0	02	02	0	0	0	0	30	30
Total	6	21	128	149	02	29	31	0	0	0	23	157	180
VI. Agril. Engineering													
Farm machinery & its maintenance					<u> </u>								
Installation and maintenance of micro													
irrigation systems													
Use of Plastics in farming practices				-	ļ			-		-			
Production of small tools and													
Implements  Repair and maintenance of form								-		-			
Repair and maintenance of farm													
machinery and implements				<u> </u>	<u> </u>		<u> </u>		<u> </u>				

Thematic Area	No. of			N	o. of I	Partici	pants				Gran	d Tota	l
	Courses		Other			SC			ST	•		•	
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing and value													
addition Post Harvest Technology													
Others													<del>                                     </del>
Total													<del>                                     </del>
VII. Plant Protection													<del></del>
Integrated Pest Management													
Integrated Disease Management													
BioOcontrol of pests and diseases													
Production of bio control agents and													
bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													<u></u>
Composite fish culture													<u> </u>
Hatchery management and culture of													
freshwater prawn													
Breeding and culture of ornamental													
fishes													
Portable plastic carp hatchery													<u> </u>
Pen culture of fish and prawn													<del>                                     </del>
Shrimp farming Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													<u> </u>
IX. Production of Input at site Seed Production													
Planting material production													<del>                                     </del>
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Mushroom production													<u> </u>
Apiculture													<u> </u>
Others	ļ				<u> </u>								
Total													
X. Capacity Building and Group													
Dynamics					-								
Leadership development													
Group dynamics		<u> </u>			<u> </u>			-					
Formation and Management of SHGs					-								
Mobilization of social capital					-			-					<del>                                     </del>
Entrepreneurial development of	<u> </u>	<u> </u>		]		]		<u> </u>		]			Щ

Thematic Area		No. of			N	o. of F	Particip	pants				Gran	d Tota	ıl
		Courses		Other			SC			ST				
			M	F	T	M	F	T	M	F	T	M	F	T
farmers/youths														
WTO and IPR issues														
Others														
	Total													
XI. Agro forestry														
Production technologies														
Nursery management														
Integrated Farming Systems														
Others														
	Total													
XII. Others (Pl. Specify)														
GRAND TOTAL	·													

## E) RURAL YOUTH (Off Campus)

Thematic Area	No. of			N	o. of P	artici	pants				Gran	d Tota	1
	Courses		Other			SC			ST				
	1	M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture												Ī	
crops													
Training and pruning of orchards													
Protected cultivation of vegetable													İ
crops													
Commercial fruit production													
Integrated farming													<u> </u>
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production												1	
Beekeeping													
Sericulture	<u> </u>												
													İ
Repair and maintenance of farm													
machinery and implements													İ
Value addition													
Small scale processing													
Post Harvest Technology	+												
Tailoring and Stitching													İ
Rural Crafts	+		-		-								
Rurai Ciaits													İ
Production of quality animal products	1												
Dairying													İ
Sheep and goat rearing	†												
Quail farming													
Piggery	+				1							$\vdash \vdash$	
riggery													
Rabbit farming	1				1								
e e e e e e e e e e e e e e e e e e e									l				ĺ

Thematic Area	No. of			N	o. of P	artici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

## F) Extension Personnel (Off Campus)

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

## G) Consolidated table (ON and OFF Campus)

### i. Farmers & Farm Women

Thematic Area	No. of			No	o, of I	Partici	nants				Gran	d Tota	al
	Courses		Other		0.011	SC	panes		ST		O'un	u 1011	
		M	F	T	M	F	T	M	F	T	M	F	Т
I. Crop Production													
Weed Management	2	49	0	49	11	0	11	0	0	0	60	0	60
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation	1	29	1	30	0	0	0	0	0	0	29	1	30
Seed production													
Nursery management													
Integrated Crop Management	1	14	10	24	3	2	5	0	0	0	17	13	30
Soil & water conservation													
Integrated nutrient Management	3	45	15	37	21	10	23	0	0	0	66	24	90
Production of organic inputs													
Others													
Total	7	137	26	140	35	12	49	0	0	0	172	38	210
II. Horticulture													
a) Vegetable Crops													1
Production of low volume and high													
value crops													
Off0season vegetables	_					_			_	_			
Nursery raising	2	41	0	41	19	0	19	0	0	0	60	0	60
Exotic vegetables													_
Export potential vegetables													
Grading and standardization													
Protective cultivation		1.10	0	1.10	22	0	22				100		100
Others	6	148	0	148	32	0	32	0	0	0	180	0	180
Total (a)													
b) Fruits													-
Training and Pruning													-
Layout and Management of Orchards Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													-
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													+
Propagation techniques of Ornamental													
Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management		İ											
technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management													
technology		<u> </u>		<u></u>			<u></u>					<u></u>	
<del></del>	•						-		•		•		

Processing and value addition Others  Total (e)  f) Spices Production and Management technology Processing and value addition Others  Total (f) g) Medicinal and Aromatic Plants Nursery management Production and management technology Post harvest technology and value addition Others  Total (g) Total (a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils Micro nutrient deficiency in crops		M	Other F	T	M	SC F	T	M	ST F	T	M	F	T
Others  Total (e)  f) Spices  Production and Management technology Processing and value addition Others  Total (f)  g) Medicinal and Aromatic Plants  Nursery management Production and management technology Post harvest technology and value addition Others  Total (g)  Total (a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils		M	F	T	M	F	T	M	F	T	M	F	T
Others  Total (e)  f) Spices  Production and Management technology Processing and value addition Others  Total (f)  g) Medicinal and Aromatic Plants Nursery management Production and management technology Post harvest technology and value addition Others  Total (g) Total (a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
Total (e)  f) Spices  Production and Management technology Processing and value addition Others  Total (f)  g) Medicinal and Aromatic Plants Nursery management Production and management technology Post harvest technology and value addition Others  Total (g) Total (a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
Production and Management technology Processing and value addition Others  Total (f)  g) Medicinal and Aromatic Plants Nursery management Production and management technology Post harvest technology and value addition Others  Total (g) Total (a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
Production and Management technology Processing and value addition Others  Total (f) g) Medicinal and Aromatic Plants Nursery management Production and management technology Post harvest technology and value addition Others  Total (g) Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
Processing and value addition Others  Total (f)  g) Medicinal and Aromatic Plants  Nursery management  Production and management technology Post harvest technology and value addition Others  Total (g)  Total(a-g)  III. Soil Health and Fertility  Management  Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
Processing and value addition Others  Total (f)  g) Medicinal and Aromatic Plants  Nursery management  Production and management technology Post harvest technology and value addition Others  Total (g)  Total(a-g)  III. Soil Health and Fertility  Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
Others  Total (f)  g) Medicinal and Aromatic Plants  Nursery management  Production and management technology  Post harvest technology and value addition  Others  Total (g)  Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils													
g) Medicinal and Aromatic Plants  Nursery management  Production and management technology  Post harvest technology and value addition  Others  Total (g)  Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	,												
Nursery management Production and management technology Post harvest technology and value addition Others  Total (g) Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	,											,	
Production and management technology Post harvest technology and value addition Others  Total (g) Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	,												
Post harvest technology and value addition Others  Total (g) Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	,							<b>—</b>					
Post harvest technology and value addition  Others  Total (g)  Total(a-g)  III. Soil Health and Fertility  Management  Soil fertility management  Integrated water management  Integrated Nutrient Management  Production and use of organic inputs  Management of Problematic soils	)											į	
addition Others  Total (g) Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	)										<del>                                     </del>		
Others  Total (g)  Total(a-g)  III. Soil Health and Fertility  Management  Soil fertility management  Integrated water management  Integrated Nutrient Management  Production and use of organic inputs  Management of Problematic soils	)											į	
Total (g) Total(a-g)  III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	)												
Total(a-g)  III. Soil Health and Fertility  Management  Soil fertility management  Integrated water management  Integrated Nutrient Management  Production and use of organic inputs  Management of Problematic soils  2	,												<del>                                     </del>
III. Soil Health and Fertility Management Soil fertility management Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils	,												<del>                                     </del>
Management     2       Soil fertility management     2       Integrated water management       Integrated Nutrient Management       Production and use of organic inputs       Management of Problematic soils	,												
Soil fertility management 2  Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils 2	,											ļ	
Integrated water management Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils 2	<u>.</u>	40	5	45	12	3	15	0	0	0	52	8	60
Integrated Nutrient Management Production and use of organic inputs Management of Problematic soils 2													
Production and use of organic inputs 1 Management of Problematic soils 2													
Management of Problematic soils 2	1	26	0	26	4	0	4	0	0	0	30	0	30
Micro nutrient deficiency in crops 1	2	40	9	49	6	5	11	0	0	0	46	14	60
	1	30	0	30	0	0	0	0	0	0	30	0	30
Nutrient Use Efficiency													
Balance Use of fertilizer 1	1	3	20	23	0	7	7	0	0	0	3	27	30
Soil & water testing 1	1	20	2	22	7	1	8	0	0	0	27	3	30
others											<b></b>		
Total 0	)	159	36	195	29	16	45	0	0	0	188	52	240
IV. Livestock Production and												į	
Management Dairy Management											<del>                                     </del>		
Poultry Management											$\vdash$		
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women													
empowerment													
Household food security by kitchen	1	21	07	28	02	0	02	0	0	0	23	07	30
gardening and nutrition gardening			-,							_			
Design and development of												ļ	
low/minimum cost diet													
Designing and development for high nutrient efficiency diet												ļ	
Minimization of nutrient loss in													<del>                                     </del>
processing												ļ	
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	1	0	30	30	0	0	0	0	0	0		30	30

Thematic Area	No. of			N	o. of I	Particij	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				1
		M	F	T	M	F	T	M	F	T	M	F	T
Women empowerment													
Location specific drudgery reduction													
technologies Others	1	10	10	20	09	01	10	0	0	0	19	11	30
Others	1	10	10	20	09	01	10	U	U	U	17	11	50
Women and child care													
Others(Mushroom cultivation)	4	0	93	93	0	27	27	0	0	0	0	120	120
Others (3-row rice transplanter)	1	0	28	28	0	02	02	0	0	0	0	30	30
Total	8	31	168	199	11	30	39	0	0	0	48	198	240
VI. Agril. Engineering								_					
Farm machinery & its maintenance													
Installation and maintenance of micro													
irrigation systems													
Use of Plastics in farming practices													
Production of small tools and													
implements													
Repair and maintenance of farm													
machinery and implements													
Small scale processing and value													
addition								<u> </u>					
Post Harvest Technology Others					-			ļ		<del>                                     </del>	<del>                                     </del>		
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and													
bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of													
freshwater prawn Breeding and culture of ornamental					-			ļ		<del>                                     </del>	<del>                                     </del>		
fishes													
Portable plastic carp hatchery								<b> </b>		-	<del>                                     </del>		
Pen culture of fish and prawn											<u> </u>		
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition								<b> </b>		-	<del>                                     </del>		
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
BioOagents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production											İ		
Organic manures production													

Thematic Area	No. of			N	o. of I	Partici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST		Ī		
		M	F	T	M	F	T	M	F	T	M	F	T
Production of fry and fingerlings													
Production of Bee0colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

### ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of			N	o. of F	Particij	pants				Gran	d Tota	al
	Courses		Other	,		SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	16	0	16	4	0	4	0	0	0	20	0	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production	2	37	0	37	3	0	3	0	0	0	40	0	40
Production of organic inputs	1	16	0	16	4	0	4	0	0	0	20	0	20
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													

Thematic Area	No. of			No	o. of P	artici	pants				Gran	d Tota	al
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	1	17	0	17	3	0	3	0	0	0	20	0	20
Total													

## iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of			N	o. of F	Partici	pants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field													
crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm													
machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													

Thematic Area	No. of			N	o. of P	articij	oants				Gran	d Tota	ıl
	Courses		Other			SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other (IFS)	1	12	3	15	3	2	5	0	0	0	15	5	20
Total													

 ${\it Please furnish the details of training programmes as Annexure in the proforma given below}$ 

Discipline	Clientele	Title of the training	Duration in days	Venue (Off / On	Numb	er of partion	cipants	Numbe	er of SC/ST	Γ
		programme	-	Campus)	Male	Female	Total	Male	Female	Total

## H) Vocational training programmes for Rural Youth

### a) Details of training programmes for Rural Youth

Crop / Enterp	Identifi ed	Trai	Duration	No.	of Participa	ants	Self 6	employed af	ter training	Number of persons employed else where
rise	Thrust Area	ning title*	(days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	
							CI.			

<sup>\*</sup>training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	No. of				No. of	Partic	ipants				Grand	l Total	
	Courses		Othe	r		SC			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													

Commercial vegetable production Integrated crop management  Organic farming Other  Total  Post harvest technology and value addition  Value addition  Other  Total  Livestock and fisheries  Dairy farming Composite fish culture  Composite fish culture  Total  Income generation activities  Vermicompositing Production of biogens, biogensticks, biofertilizers etc. Repair and maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance o								
Integrated crop management Organic farming Other  Total Post harvest technology and vaulue addition Value addition Other  Total Livestock and fisheries Dairy farming Composite fish culture culture Sheep and goat rearing Piggery Poutry farming Other  Total Income generation activities Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting V	Commercial							
Integrated crop management Organic farming Other  Total Post harvest technology and vaulue addition Value addition Other  Total Livestock and fisheries Dairy farming Composite fish culture culture Sheep and goat rearing Piggery Poutry farming Other  Total Income generation activities Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting Vermicomposting V	vegetable production							
Organic farming Other  Total Post harvest technology and value addition Value addition Value addition  Total Livestock and fisheries  Dairy farming Composite fish culture Skeep and goat rearing Rearing Piggery Poultry farming Other  Total Income generation activities Repair and maintenance of farm maintenance of farm maintenance of farm maintenance of farm maintenance of farm machinery & imlements Rever production Seriodure Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cultivation Musteroom cu	Integrated crop							
Organic farming Other  Total Post harvest technology and value addition Value addition Other  Total  Total  Livestock and fisheries Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Vermicomposting Vermicomposting Vermicomposting Nerpoduction of bioagents, biopershicks, biofertilizers etc. Repair and maintenance of farm machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery &	management							
Total Post harvest technology and value addition Value addition Other  Total Livestock and fisheries Dairy farming Composite fish culture culture Piggery Piggery Poultry farming Other  Total Income generation and twistes Activation of biologenius, biogesticides, biofortilizers etc. Repair and maintenance of farm machinery & innlements Rural Crafts Rural Crafts Read production Seed production Seed production Seed production Mustercom cultivation Nursery, grafting etc. Tallering, stitching, embroidery, dying etc. Agril- Para-workers, parabove training Other Total Agricultural Livestock and fisher and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state								
Total Post harvest technology and value addition Value addition Other  Total Livestock and fisheries Dairy farming Composite fish culture culture Piggery Piggery Poultry farming Other  Total Income generation and twistes Activation of biologenius, biogesticides, biofortilizers etc. Repair and maintenance of farm machinery & innlements Rural Crafts Rural Crafts Read production Seed production Seed production Seed production Mustercom cultivation Nursery, grafting etc. Tallering, stitching, embroidery, dying etc. Agril- Para-workers, parabove training Other Total Agricultural Livestock and fisher and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	Organic farming							
Total  Post harvest technology and value addition  Value addition  Other  Total  Livestock and fishertes  Dairy farming  Composite fish culture  Sheep and goat rearing  Piggery  Poultry farming  Other  Total  Income generation activities  Vermicomposting  Production of bioagents, biopesticides, biofortilizers etc.  Repair and machinery & imilenements  Rural Crafts  Seed production  Sociedurure  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agric Harn-workers, paradvet training  Total  Agricultural  Livestock and Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Seed of Se								
Post harvest technology and value addition  Value addition  Other  Total  Livestock and fisheries  Dairy farming  Composite fish culture  Sheep and goat rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing reari	Other							
Post harvest technology and value addition  Value addition  Other  Total  Livestock and fisheries  Dairy farming  Composite fish culture  Sheep and goat rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing reari	Total							
technology and value addition  Value addition  Other  Total  Livestock and fisheries  Dairy farming  Composite fish culture  Sheep and goat rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing re	Total							
technology and value addition  Value addition  Other  Total  Livestock and fisheries  Dairy farming  Composite fish culture  Sheep and goat rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing rearing re	D 41 4			-				
Value addition Other  Total Livestock and fisheries Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vernicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and manchinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & machinery & mach								
Value addition Other  Total Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biopesticides, biopesticides, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & include and maintenance of farm machinery & include and maintenance of farm machinery & include and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm machinery and maintenance of farm								
Total Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biospesticides, biofertilizers etc. Repair and maintenance of farm machinery & imlements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, cembroidery, dying etc. Agril. Para-workers, para0vet training Other  Total  Agricultural  Livestock and fisheries  Income generation Activities  Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income gener	value addition							
Total Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biospesticides, biofertilizers etc. Repair and maintenance of farm machinery & imlements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, cembroidery, dying etc. Agril. Para-workers, para0vet training Other  Total  Agricultural  Livestock and fisheries  Income generation Activities  Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income generation Income gener								
Total Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing  Piggery  Poultry farming Other  Total Income generation activities Vermicomposting Production of biologents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & implements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, paradvet training Other  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total  Agricultural  Total								
Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & innements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stiching, embroidery, dying etc. Agril. Para-workers, para@vet training Other  Total  Agricultural Extension	Other							
Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & innements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stiching, embroidery, dying etc. Agril. Para-workers, para@vet training Other  Total  Agricultural Extension								
Livestock and fisheries  Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & innements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stiching, embroidery, dying etc. Agril. Para-workers, para@vet training Other  Total  Agricultural Extension								
Bairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of biologents, biologents, biologentikes, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & inclined in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st								
Dairy farming Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & inflements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agric I. Para-workers, para0vet training Other Total Agricultural Extension	Livestock and							
Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biofertilizers etc. Repair and maintenance of farm machinery & immensts Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agricultural Cyten Composition Agricultural Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Compositi	fisheries			<u> </u>			<u></u>	
Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biofertilizers etc. Repair and maintenance of farm machinery & immensts Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agricultural Cyten Composition Agricultural Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Compositi								
Composite fish culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biofertilizers etc. Repair and maintenance of farm machinery & immensts Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agricultural Cyten Composition Agricultural Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Composition Sheep Compositi	Dairy farming		1					
culture Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of biologents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & immements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agricl. Para-workers, para@vet training Other  Total Agricultural Extension	Composite fish							
Sheep and goat rearing Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & influence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s								
Piggery  Poultry farming Other  Total Income generation activities  Vermicomposting Production of bioagents, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & immlements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para@vet training Other  Total Agricultural Extension								
Piggery Poultry farming Other  Total Income generation activities Vermicomposting Production of bioagents, biofertilizers etc. Repair and maintenance of farm machinery & minements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril, Para-workers, para@vet training Other  Total  Total  Total  Other  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Total  Tot	rearing							
Poultry farming Other  Total  Income generation activities Vermicomposting Production of biologents, biologents, biologents, biofertilizers etc. Repair and maintenance of farm machinery & inflements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para@vet training Other  Total Agricultural Extension	rearing							
Poultry farming Other  Total  Income generation activities Vermicomposting Production of biologents, biologents, biologents, biofertilizers etc. Repair and maintenance of farm machinery & inflements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para@vet training Other  Total Agricultural Extension	Diggery							
Other         Total         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities <th< td=""><td>riggery</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	riggery							
Other         Total         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities         Income generation activities <th< td=""><td>Daultery forming</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	Daultery forming							
Total  Income generation activities  Vermicomposting  Production of bioagents, biofertilizers etc.  Repair and maintenance of farm machinery & incluments  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril, Para-workers, para0vet training  Other  Total  Agricultural  Extension				1				
Income generation activities  Vermicomposting  Production of bioagents, bioingesticides, biofertilizers etc.  Repair and maintenance of farm machinery & implements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension	Other							
Income generation activities  Vermicomposting  Production of bioagents, bioingesticides, biofertilizers etc.  Repair and maintenance of farm machinery & implements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension	75. 4. 1		-	-				
activities     Image: Composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the composition of the com								
Vermicomposting Production of bioagents, biopesticides, biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & imlements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para0vet training Other Total Agricultural Extension	Income generation							
Production of bioagents, biopesticides, biofertilizers etc.  Repair and maintenance of farm machinery & immements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension								
bioagents, biopesticides, biofertilizers etc.  Repair and maintenance of farm maintenance of farm machinery & imlements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training Other  Total  Agricultural Extension								
biopesticides, biofertilizers etc. Repair and maintenance of farm machinery & imlements Rural Crafts Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para0vet training Other Total  Agricultural Extension								
biofertilizers etc.  Repair and maintenance of farm machinery & imlements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural Extension	bioagents,							
Repair and maintenance of farm machinery & imlements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension								
maintenance of farm machinery & imlements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension								
machinery & imlements  Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension	Repair and							
imlements                               Rural Crafts                           Seed production                           Sericulture                           Mushroom cultivation                           Nursery, grafting etc.                           Tailoring, stitching, embroidery, dying etc.                             Agril. Para-workers, para0vet training                               Other                               Total                             Agricultural Extension								
Rural Crafts  Seed production  Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural  Extension								
Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para0vet training Other Total Agricultural Extension								
Seed production Sericulture Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para0vet training Other Total Agricultural Extension	Rural Crafts		1	1			]	
Sericulture  Mushroom cultivation  Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural Extension								
Mushroom cultivation Nursery, grafting etc. Tailoring, stitching, embroidery, dying etc. Agril. Para-workers, para0vet training Other Total Agricultural Extension			1	İ				
Nursery, grafting etc.  Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, paraOvet training  Other  Total  Agricultural Extension			+	1				
Tailoring, stitching, embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural Extension			1					
embroidery, dying etc.  Agril. Para-workers, para0vet training  Other  Total  Agricultural Extension	Tailoring etitching		+	+				
etc.	ambroidary dvina							
Agril. Para-workers, para0vet training Other  Total Agricultural Extension	etc.		1					
paraOvet training			+	1				
Other Total Agricultural Extension	Agiii. Para-workers,		1					
Total Agricultural Extension			+	1				
Agricultural Extension Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support Support							ļ	
Extension				1				
Capacity building and			1					
	Capacity building and		1	1			]	
								·

group dynamics							
Other							
Total							
Grand Total							

## I) Sponsored Training Programmes

## a) Details of Sponsored Training Programme

S1.N	Title	Thematic	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring
О	Title	area			PF/RY/EF			Agency

## b) Details of participation

Thematic Area	No. of				No. of	Partic	ipants				Grand	Total	
	Courses		Other			$\mathbf{SC}$			ST				
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													

Otto	1					
Other						
Total						
Farm machinery						
Farm machinery,						
tools and implements						
Other						
Total						
Livestock and						
fisheries						
Livestock production						
and management						
Animal Nutrition						
Management						
Animal Disease						
Management						
Fisheries Nutrition						
Fisheries						
Management						
Other						
Total						
Home Science						
Household nutritional						
security						
Economic						
empowerment of						
women						
Drudgery reduction of						
women						
Other						
Total						
Agricultural						
Extension  Conscitut Puilding						
Capacity Building						
and Group Dynamics						
Other						
Total						
Grant Total						

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

				Farme	rs	Exte	nsion Off	icials	Total				
Nature of Extension Activity	No. of activities	M	F	Т	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total		
Field Day	2	10 0	0	10 0	22	1	2	3	11	2	13		
Kisan Mela													
Kisan Ghosthi													
Exhibition													
Film Show													
Method													
Demonstrations													

Farmers Seminar					
Workshop					
Group meetings					
Lectures delivered					
as resource persons					
Advisory Services					
Scientific visit to					
farmers field					
Farmers visit to					
KVK					
Diagnostic visits					
Exposure visits					
Ex-trainees					
Sammelan					
Soil health Camp					
Animal Health					
Camp					
Agri mobile clinic					
Soil test campaigns					
Farm Science Club					
Conveners meet					
Self Help Group					
Conveners meetings					
Mahila Mandals					
Conveners meetings					
Celebration of					
important days					
(specify)					
Sankalp Se Siddhi					
Swatchta Hi Sewa					
Mahila Kisan Divas					
Any Other (Specify)					
Total					

#### B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	
Radio talks	
TV talks	
Popular articles	
Extension Literature	
Other, if any	

## 3.5 a. Production and supply of Technological products

## Village seed

Crop Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided
--------------	----------------------	---------------	-------------------------------------------------------------	--------------------------------------------

			SC			ST	C	OtherTotal		
			M	F	M	F	M	F	M	F
Total										

## KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)					of farmers ed provided				
		(1)		SC			ST		Other		Γotal	
				M	F	M	F	M	F	M	F	
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								
				S	SC ST		ST Oth		her	То	tal	
				M	F	M	F	M	F	M	F	
Vegetable seedlings												
Cauliflower												
Cabbage												
Tomato	Arka Rakshak	5000	10000	8	0	0	0	16	0	24	0	
Brinjal												
Chilli												
Onion												
Others-capsicum	Indra	8000	32000	2	0	0	0	8	0	10	0	
Others-drumstick	PKM-1, Bhagya	560	8400	0	0	0	0	7	0	7	0	
Fruits												
Mango												
Guava												
Lime												
Papaya												
Banana												
Others												
Ornamental plants												
Medicinal and Aromatic												

Plantation						
Spices						
Turmeric						
Tuber						
Elephant yams						
Fodder crop saplings						
Forest Species						
Others, pl. specify						
Total						

## **Production of Bio-Products**

	Quantity									
Name of product	Kg	Value (Rs.)	1	No.	of F	arme	ers t	ene	fitte	d
			SC		ST		Oth	er	Tot	al
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify.		_								
Total										

#### Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				S	C	ST		Other		To	otal
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											

Hog						
Others (Pl. specify)						
Fisheries						
Indian carp						
Exotic carp						
Mixed carp						
Fish fingerlings						
Spawn						
Others (Pl. specify)						
Grand Total						

## **3.5. b. Seed Hub Programme -** "Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India" i) Name of Seed Hub Centre:

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

#### ii) Quality Seed Production Reports

Season	Crop	Variety	Production (	q)		
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2018-19						
Summer/Spring 2019						
Kharif 2019						
Rabi 2019-2020						

#### iii) Financial Progress

Fund received	Expenditure	(Rs. in lakhs)	Unspent	Remarks
(2016-17, 2017-18 and 2018-19)	Infrastructure	Revolving fund	balance (Rs. in lakhs)	
2016-17				
2017-18				
2018-19				
2019-2020				

## 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	Perception and Constraints faced by Pulse Grower and Yield gap analysis of Greengram (Vigna radiataL.) in East and South coastal plain of Odisha,India	S.R.Dash,B,K.Ra utaray and A,Dhal	International Journal of Current Microbiology and Applied Science(2018)7(1):338- 346	3500
Seminar/conference/				
symposia papers Books	Approach and Impact of Watershed Development	S D Mukhopadhyay,a nd S R Dash	100	100
Books	Paddy Cultivation	Dr. Deabsis Mishra	1000	450
Books	Poultry	Dr. P. K. Padhi	500	350
Bulletins				
News letter	Krushishree	Senior Scientist and Head	1500	1500
Popular Articles	Krushi Vigyan Kendra ra Bhumika, Matiagundi poka niyantrana	Senior Scientist and Head	1000	1000
Book Chapter	, , , , , , , , , , , , , , , , , , ,			
Extension Pamphlets/ literature	Method of Soil Sampling		500	360
Extension Pamphlets/ literature	Soil Sample Collection		500	250
Technical reports  Electronic  Publication (CD/DVD etc)  TOTAL				
Item	Title	Author's name	Number	Circulation
Research paper Seminar/conference/ symposia papers	THE	Audioi S name	rumoei	Circulation
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.	Name	of	Name of course	Name of KVK personnel	Date and Duration	Organized by
No.	programme			and designation		
1.						
2.						
3.						
4.						
5.						
6.						
7.						

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

grapns)	
Name of farmer	
Address	
Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	

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

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

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

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

b. Give details of organic farming practiced by the farmer

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

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

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

1         Automatic Nitrogen Analyzer with digestion Unit         01           2         KES 08 LE         01           3         KEL VAC VA         01           4         Flame Photometer         01           5         Digital Soil Moisture Meter         01           6         Physical Balance         01           7         All Glass Double Distillation Unit         01           8         Distillation Appts Power Supply         01           9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01	Sl. No	Name of the Equipment	Qty.
3         KEL VAC VA         01           4         Flame Photometer         01           5         Digital Soil Moisture Meter         01           6         Physical Balance         01           7         All Glass Double Distillation Unit         01           8         Distillation Appts Power Supply         01           9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01           21         Sieve Brassframe         01           22         Keen Cup         01           23         Soil Agar Screw Type         01	1	Automatic Nitrogen Analyzer with digestion Unit	01
4         Flame Photometer         01           5         Digital Soil Moisture Meter         01           6         Physical Balance         01           7         All Glass Double Distillation Unit         01           8         Distillation Appts Power Supply         01           9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01           21         Sieve Brassframe         01           22         Keen Cup         01           23         Soil Moisture Sample Box         01           24         Soil Agar Screw Type         01 <t< td=""><td>2</td><td>KES 08 LE</td><td>01</td></t<>	2	KES 08 LE	01
5         Digital Soil Moisture Meter         01           6         Physical Balance         01           7         All Glass Double Distillation Unit         01           8         Distillation Appts Power Supply         01           9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01           21         Sieve Brassframe         01           21         Sieve Brassframe         01           22         Keen Cup         01           23         Soil Moisture Sample Box         01           24         Soil Agar Screw Type         01      <	3	KEL VAC VA	01
6         Physical Balance         01           7         All Glass Double Distillation Unit         01           8         Distillation Appts Power Supply         01           9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01           21         Sieve Brassframe         01           22         Keen Cup         01           23         Soil Moisture Sample Box         01           24         Soil Agar Screw Type         01           25         Electronic Balance         01           26         Top Pan Balance         01	4	Flame Photometer	01
7       All Glass Double Distillation Unit       01         8       Distillation Appts Power Supply       01         9       PH Meter-Micro Controller       01         10       Conductivity Meter       01         11       Rotary Shaker       01         12       Flask Holding Clamp       01         13       Mechanical Stirer       01         14       Bouycocus Hydrometer       01         15       Hot Air Oven (Digital)       01         16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	5	Digital Soil Moisture Meter	01
8         Distillation Appts Power Supply         01           9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01           21         Sieve Brassframe         01           22         Keen Cup         01           23         Soil Moisture Sample Box         01           24         Soil Agar Screw Type         01           25         Electronic Balance         01           26         Top Pan Balance         01	6		01
9         PH Meter-Micro Controller         01           10         Conductivity Meter         01           11         Rotary Shaker         01           12         Flask Holding Clamp         01           13         Mechanical Stirer         01           14         Bouycocus Hydrometer         01           15         Hot Air Oven (Digital)         01           16         Thermometer         01           17         Water Quality Analyzer         01           18         Vortex Shaker         01           19         Magnetic Stirrer with Hot Plate         01           20         Wooden Geological Hammer         01           21         Sieve Brassframe         01           22         Keen Cup         01           23         Soil Moisture Sample Box         01           24         Soil Agar Screw Type         01           25         Electronic Balance         01           26         Top Pan Balance         01	7	All Glass Double Distillation Unit	01
10   Conductivity Meter   01   11   Rotary Shaker   01   12   Flask Holding Clamp   01   13   Mechanical Stirer   01   14   Bouycocus Hydrometer   01   15   Hot Air Oven (Digital)   01   16   Thermometer   01   17   Water Quality Analyzer   01   18   Vortex Shaker   01   19   Magnetic Stirrer with Hot Plate   01   20   Wooden Geological Hammer   01   21   Sieve Brassframe   01   22   Keen Cup   01   23   Soil Moisture Sample Box   01   24   Soil Agar Screw Type   01   25   Electronic Balance   01   01   01   01   01   01   01   0	8	Distillation Appts Power Supply	01
11       Rotary Shaker       01         12       Flask Holding Clamp       01         13       Mechanical Stirer       01         14       Bouycocus Hydrometer       01         15       Hot Air Oven (Digital)       01         16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	9	PH Meter-Micro Controller	01
12       Flask Holding Clamp       01         13       Mechanical Stirer       01         14       Bouycocus Hydrometer       01         15       Hot Air Oven (Digital)       01         16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	10	Conductivity Meter	01
13       Mechanical Stirer       01         14       Bouycocus Hydrometer       01         15       Hot Air Oven (Digital)       01         16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	11	Rotary Shaker	01
14       Bouycocus Hydrometer       01         15       Hot Air Oven (Digital)       01         16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	12	Flask Holding Clamp	01
15       Hot Air Oven (Digital)       01         16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	13	Mechanical Stirer	01
16       Thermometer       01         17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	14	Bouycocus Hydrometer	01
17       Water Quality Analyzer       01         18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	15	Hot Air Oven (Digital)	01
18       Vortex Shaker       01         19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	16	Thermometer	01
19       Magnetic Stirrer with Hot Plate       01         20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	17	Water Quality Analyzer	01
20       Wooden Geological Hammer       01         21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	18	Vortex Shaker	01
21       Sieve Brassframe       01         22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	19	Magnetic Stirrer with Hot Plate	01
22       Keen Cup       01         23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	20	Wooden Geological Hammer	01
23       Soil Moisture Sample Box       01         24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	21	Sieve Brassframe	01
24       Soil Agar Screw Type       01         25       Electronic Balance       01         26       Top Pan Balance       01	22	Keen Cup	01
25 Electronic Balance 01 26 Top Pan Balance 01	23	Soil Moisture Sample Box	01
26 Top Pan Balance 01	24	Soil Agar Screw Type	01
	25	Electronic Balance	01
27 PC based double beem UV Vis Spectrometer 01	26	Top Pan Balance	01
	27	PC based double beem UV Vis Spectrometer	01
28 Refrigerated Centrifuge 01	28	Refrigerated Centrifuge	01
29 Angle Head R-244m -12x15ml 01	29	Angle Head R-244m -12x15ml	01
30 Angle Head 01	30	Angle Head	01
31 Voltage Stabilizer 01	31	Voltage Stabilizer	01
Sl. No Name of the Equipment Qty.	Sl. No	Name of the Equipment	Qty.
			-

3.11.b. Details of samples analyzed so far

The Details of Sain	1.0. Beams of samples analyzed so far							
Number of soil samples analyzed		No. of Farmers	No. of Villages	Amount realized (in Rs.)				
Through mini	Through soil	Total						
soil testing	testing							
kit/labs	laboratory							

F			

#### 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

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

#### 4. IMPACT

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

Name of specific	No. of	% of adoption	Change i	in income (Rs.)	
technology/skill transferred	participants		Before	After (Rs./Unit)	
			(Rs./Unit)		
Demonstration of herbicide Oxyfluorofen (Zargon) in Okra	70	60	54800/ha	64600/ha	
Demonstration of Onion variety "Bhima Super"	62	40	47600/ha	60400/ha	
Demonstration of French bean variety "Pusa Parvati":	56	80	35900/ha	42200/ha	

22	(0		
<i></i>	60	8000/100 nos	12000/100 no.
170	80	6000/100 nos.	12000/no.
16	60	46900/ha	54200/ha
112	70	6000/ha	10000/ha
10	50	54800	64600
10	40	47600	60400
10	80	59200	74350
10	80	54400	57120
10	60	62000	74000
10	60	54800	64600
10	60	54400	57120
10	40	52800	58200
No. of	% of adoption	Change in inco	me (Rs.)
participants		Before (Rs./Unit)	After (Rs./Unit)
	16  112  10  10  10  10  10  10  10  No. of	16 60  112 70  110 50  10 40  10 80  10 80  10 60  10 60  10 60  10 40  No. of % of adoption	16     60     46900/ha       112     70     6000/ha       10     50     54800       10     40     47600       10     80     59200       10     80     54400       10     60     62000       10     60     54800       10     40     52800       No. of participants     % of adoption adoption     Change in inco       Before

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				
	No. of villages	No. of farmers	Area in ha/no		
Demonstration of herbicide Oxyfluorofen (Zargon) in Okra	06	18	2.6		
Demonstration of Onion variety "Bhima Super"	08	54	32		
Demonstration of French bean variety "Pusa Parvati":	07	82	16.8		
Demonstration of watermelon variety "Arka Jyothi":	05	65	9.0		
Demonstration on rearing of white pekin ducks for meat purpose	4	10	250		
Demonstration on backyard poultry in post adverse climatic situations	90	780	450		
Demonstration of scented rice var. "Nua kalajira"	07	42	22.0		
Demonstration on application of Nimin coated urea in low land paddy	26	282	56		
Demonstration of herbicide 'Oxyfluorofen' in brinjal	9	45	12		
Demonstration of Marigold var. "Siracole"	2	16	2.0		
Demonstration on management of Blast in Rice	56	242	82		
Demonstration on management of BPH in Rice	48	231	74		
Demonstration on management of YMV in Okra	12	86	24		
Demonstration on management of tobacco caterpillar in	6	72	16		

Cauliflower				
Demonstration of Self propelled rice transplanter	35	61	34	
Demonstration of paddy power weeder	4	26	12	
Horizontal spread of technologies				
Technology	Horizontal sprea	d		

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	Impact	of	the	technology	in	Impact	of	the	technology	in
	technology			subjective terms				objective terms					

## 4.4. Details of innovations recorded by the KVK

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

## 4.5. Details of entrepreneurship development

Entrepreneurship development							
Name of the enterprise	Poultry Hatching unit-cum Rearing and Feed Supply Centre						
Name & complete address of the entrepreneur	Sri Bipin Bihari Pradhan Village - Bagoi GP - Bagoi Block - Kujanga Dist - Jagatsinghpur Mob - 9937212305						
Role of KVK with quantitative data support:	Sri Pradhan was selected for the on farm trial programme on backyard poultry in the financial year 2014-15 & 2015-16. Before inducting Sri Pradhan was given intensive skill development programs on Scientific Poultry farming and management practices and low cost feed formulation of poultry from KVK, Jagatsinghpur. He also attended a lot of various awareness programmes and exposure visits to private poultry farms for gaining first hand experiences. KVK, Jagatsinghpur distributes 20 nos. Of Vanaraja and 20 nos. of Pallishree colour birds to him after 21 days of brooding programme. Dewarming and vaccination bird were done by Mr. Pradhan with technological back stopping by the Scientist of the KVK. Besides, he was linked with line department for govt. subsidy and also with bank for loan.						
Timeline of the entrepreneurship development	Body weight of Vanaraja poultry at 52 weeks of age for male was about 3.6 kg while for female it was about 2.5 kg. and incase of Pallishree the body weight of male was 2.95 kg and 2.3 kg for female. Vanaraja produces 103-110 eggs and Pallishree produces 150-160 eggs per year and age of first egg laying of these breeds is almost similar i.e. 175-180 days by the time Sri Pradhan started to						

	brood fertile egg of both Vanaraja and Pallishree by using his local
	hen.
Technical Components of the Enterprise	Backyard poultry farming with rural improved breed
Technical Components of the Enterprise	Breed upgradation by crossing these two breeds
	Hatching eggs of both Vanaraja and Pallishree by using local hen
	Supply chicks and fertile eggs of improved rural poultry breed
Status of entrepreneur before and after the	Sri Bipin Bihari Pradhan has got a net profit of 65,245/- by selling
enterprise	ready bird, table egg and newly hatched chicks from each unit and
Cherphise	first batch.
Present working condition of enterprise in	Sri Pradhan an un-employed rural youth paved the way for other un-
terms of raw materials availability, labour	employed youths as well as farmers and farm women to take up
availability, consumer preference,	poultry rearing of improved breeds like Vanaraja and Pallishree as a
marketing the product etc. (Economic	viable rural entrepreneurship to generate low input and high out put
viability of the enterprise):	venture for sustainable livelihood development which can be
	achieve within a very short period of time.
Horizontal spread of enterprise	80 nos. of practicing women community from nearby 8 villages are
	now started backyard poultry farming with rural improved poultry
	breed.
Entrepreneurship development	
Name of the enterprise	
Name & complete address of the	
entrepreneur	
Role of KVK with quantitative data	
support:	
Timeline of the entrepreneurship	
development	
Technical Components of the Enterprise	
reclinical Components of the Enterprise	
Status of entrepreneur before and after the	
enterprise	
Present working condition of enterprise in	
terms of raw materials availability, labour	
availability, consumer preference,	
marketing the product etc. ( Economic	
viability of the enterprise):	
Horizontal spread of enterprise	

## 4.6. Any other initiative taken by the KVK

## 5. LINKAGES

## 5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Dept of Agriculture /ATMA	Technology dissemination ,Capacity Building, Technology Sharing
Dept of Horticulture	Technology dissemination ,Capacity Building, Technology Sharing
Dept of Veterinary science	Veterinary Services, Training of farmers/ paravets, Backyard poultry farming, Animal health camp
Dept of Fisheries	Technical information, procurement of fingerlings, Linking beneficiaries of KVK
Odisha livelihood Misson	Backyard poultry farming, Small ruminant production
NABARD	Formation of Krishak club

NHM	Linking beneficiaries of KVK
ICAR-NRRI/CIFA/CHES/CTCRI/CIWA	Dairy farming,
CPDO/IPDP	Backyard poultry farming
FODDER FARM, BHUBANESWAR	Fodder slip/ roots supply, fodder cultivation
AICRP-FOODDER/POULTRY	Backyard poultry farming, fodder cultivation
Name of organization	Nature of linkage

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

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

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

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

#### 6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

S1.	Name of	Year of	Area(	Details o	f production		Amoun	t (Rs.)	
No.	demo Unit	estt.	Sq.mt	Variety/bree d	Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Poultry	2011	100	Rainbow Rooster, Pallishree	Devel oped chick	6500	3,80,000	4,19,000	Devel oped chicks suppli ed for backya rd rearing
2.	Goatary	2011	100	Sirohi	Breedi ng buck	1	10000		Due for culling / Replac ement
3.	Dairy	2017	100	Cross bred cow	Milk	4350 Kg	70000	128000	
4.	Fodder	2017	2000	Hybrid Napier, Guinea, Setaria, para grass, Signal grass, Green	Green fodder	150 quintal	4000	8000	For feedin g cows of demo unit

				panic, Sorghum, Maize, Cow pea					
5.	Vermi- compost	2011	50	Vermin	compo st	20	1000	10000	Used in crop cafetar ia

#### 6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Date of Bornaget St. Details of production			Amou	R e m		
		Hai vest	Area	Variety	Type of Produce	Qty.(q)	Cost of	Gross	ar ks
					Produce		inputs	income	KS
Paddy	21.7.2019	1.1.2019	2.6	Pooja	Foundati on Seed	82.6		207326.00	
Paddy	21.7.2019	5.1.2019	1.75	Gayatri	Foundati on Seed	73.6		184736.00	
Paddy	21.7.2019	8.1.2019	2.25	Upahar	Foundati on seed	67.4		169174.00	

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

Sl.	Name of the		Amou	nt (Rs.)			
No.	Product	Oty $(K\sigma)$		Qty. (Kg) Cost of inputs		Gross income	Remarks
1.							

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

Sl.	Name	Detail	s of production	n	Amo		
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
	Poultry	Rainbow		6500	3,80,000	4,19,000	
1.		Rooster, Pallishree					
2.	Goatary	Sirohi		1	10000		Due for culling/ Replacement
3.	Dairy	Cross bred cow		4350 Kg	70000	128000	

#### 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)
July –Sept	21	45	
Oct-Dec	20	10	
Jan-Mar	50	10	
Total:	91	65	

(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	QI	QII	Q III	QIV	QV	QVI
April 2018 to August 2019	Filled					1
April 2018 to March 2019		Filled				
April 2018 to March 2019			Vacant	F:11 1		
April 2018 to March 2019				Filled	Filled	
April 2018 to March 2019					rined	
April 2018 to March 2019						Vacant

## 7. FINANCIAL PERFORMANCE

#### 7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current Account	State Bank of India	ADB, Jagatsinghpur	11297400655
(KVK Contiengency)			
Current Account	State Bank of India	Rahama Branch	30773631818
(Revolving fund)			

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

	Release	d by ICAR	Expe	nditure	
Item	Kharif	Rabi	Kharif	Rabi	Unspent balance as on -

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

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

## 2019.5. Utilization of KVK funds during the year 2019-20 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure				
A. Re	A. Recurring Contingencies							
1	Pay & Allowances							
2	Traveling allowances							
3	Contingencies							
A								
В								
C								
D								
E								
F								
G								
H								

I						
J	Swachhta Expenditure					
	TOTAL (A)					
B. No	B. Non-Recurring Contingencies					
1						
2						
3						
4	4					
	TOTAL (B)					
C. RE	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 1 <sup>st</sup> April of each year (Kind + cash)
2015-16	35,126.00	11,28,801.00	9,25,734.00	2,38,193.00
2016-17	2,38,193.00	1436318.00	1628182.00	46,329.00
2017-18	46,329.00	1254293.00	10,05,642.00	2,94,980.00
2018-19	2,94,980.00	11,05,320.00	9,96,918.80	8,29,000.00 (kind) + 4,03,381.20
2019-20				

- 7.6. (i) Number of SHGs formed by KVKs
  (ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
  (iii) Details of marketing channels created for the SHGs

#### 7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
BGREI	Monitoring	Kharif	Dept.of Agrl.		
Farmers Scientist Interaction	01	Rabi		With ATMA	
World soil, day	01	Rabi	Dept.of Agrl.		
Capacity building prog.	20	Kharif & Rabi	Dept.of Agrl.		
Animal Health Camp	04	Kharif and Rabi	Dept. Animal Sc.		
Panipanchayat training cum awareness	01	Kharif	Dept. of Water Resources		
Planting material verification	05	Kharif and Rabi	NHM		
Formation of Farm Science Club	03	Kharif and Rabi	NABARD		
Exhibition at District level	04	Kharif -2 & Rabi- 2	Dept.of Agrl/Horti/Fishery/Animal Sc.		

#### 8. Other information

#### 8.1. Prevalent diseases in Crops

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

## 8.2. Prevalent diseases in Livestock/Fishery

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

## 9.1. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Peri	od	No. of the participant		Amount of Fund Received (Rs)
	From	То	M	F	

#### 9.2. PPV & FR Sensitization training Programme

Date of organizing the programme	Resource Person	No. of participants	Registration	(crop wise)
			Name of crop	No. of registration
			1	

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

Type of message	No. of messages	No. of farmers covered
Crop	10	15408
Livestock	2	15408
Fishery	2	15408
Weather	2	15408
Marketing	0	0
Awareness	4	15408
Training information	0	0
Other	3	15408
Total	23	15408

## 9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	360
2.	No. of farmers registered in the portal	15408
3.	Mobile Apps developed by KVK	Nil
4.	Name of the App	Nil
5.	Language of the App	Nil
6.	Meant for crop/ livestock/ fishery/ others	Nil
7.	No. of times downloaded	Nil

9.5. a. Observation of Swachh Bharat Programme

Date of Observation	Activities undertaken		
15 <sup>th</sup> September to 2 <sup>nd</sup> October 2019	<ol> <li>Celebration of Sewa Divas (17<sup>th</sup> Sept 2018)</li> <li>Celebration of Sarwatra Swachhata (18<sup>th</sup> Sept 2018)</li> <li>Celebration of Samagra Swachhata Divas (24<sup>th</sup> Sept. 2018)</li> <li>Cleaning of Office Garden (2<sup>nd</sup> Oct. 2018)</li> </ol>		

## b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	4	-
2. Basic maintenance		8,000
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas	15	6000
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	2	2400
6. Used water for agriculture/ horticulture application	1	-
7. Swachhta Awareness at local level	7	1800
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	2	450
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	-
14. No of Staff members involved in the activities	12	
15. No of VIP/VVIPs involved in the activities	-	
16. Any other specific activity (in details)		
Total	48	18,650

## 9.6. Observation of National Science day

Date of Observation	Activities undertaken

## 9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

## 9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

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

Dat	No. of Union	No. of Hon'ble	No. of State			Dor	ticipants	(Na.)			Cove	Cove
e of pro	Ministers attended the	MPs (Loksabha/ Rajyasabha)	Govt. Ministe	MLAs	Chairm	Distt.	Bank	Farmers	Govt.	Total	rage by Door Dars	rage by other chan
gra m me	programme	participated	IS	Attende d the progra mme	an ZilaPan chayat	Collect or/ DM	Offici als		Official s, PRI member s etc.		han (Yes/ No)	nels (Nu mber

## 9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)
1	<ol> <li>Celebration of Sewa Divas         (17<sup>th</sup> Sept 2019)</li> <li>Celebration of Sarwatra         Swachhata (18<sup>th</sup> Sept 2019)</li> <li>Celebration of Samagra         Swachhata Divas (24<sup>th</sup> Sept.         2019)</li> <li>Cleaning of Office Garden         (2<sup>nd</sup> Oct. 2019)</li> </ol>	3	75	-	-

## 9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)
1	Celebration of MahilaKisan Divas	2	50	-	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact	Innovation/ Leading in enterprise
1	Sanjeet Mohanty	At- Khadala G.P: Bodhei Block: Kujanga, Dist-Jagatsinghpur Mob:9439082531	Farm mechanization
2	Laxman Sethi	At-Gamhapur, P.O-Redhua Block-Raghunathpur Dist-Jagatsinghpur Mob:9776231866	Intensive Vegetable cultivation
3	Muralidhar Behera	At- Bagoi, Kujanga, Jagatsinghour Mob -9438434252	Pulse production through farmers producer group
4	Mr. Saurav Biswal	At/P.O-Tulanga, Block-Tirtol Dist-Jagatsinghpur Mob:9237073446	Composite fish farming
5	Mr. Trilochan Mandal	At/P.O-Kunjakoti Block-Erasama Dist-Jagatsinghpur Mob:9937541303	Shrimp farming
6	Mr. Zakir Hussain	At/PO-Samang Block-Jagatsinghpur Dist-Jagatsinghpur Mob:9776707786	Poultry farming (Colour bird)
7	Mr. Jagannath Das	At-Balia, P.O- Anakhia, Block- Biridi, Dist- Jagatsinghpur Mob:933778214	Dairy farming
8	Mr. Rajib Rath	At-Putting P.O-Gopalpur Block-Tirtol Dist-Jagatsinghpur Mob:9658139870	Mushroom Spawn Production
9	Mr. Prafulla Chandra Jena	At-Bijipur, P.O-Sankheswar, Block-Tirtol Dist-Jagatsinghpur Mob:9437373297	Hi-tech Horticulture
10	Nrusingha Charan Behera	At/P.O -Teramanpur, Block-Kujang, Dist-	Intensive Vegetable Cultivation

		Jagatsinghpur Mob:9938145944	
11	Latika Swain	At/P,O- Krushnachandrapur Block-Tirtol Dist-Jagatsinghpur	Value added products
12	Sadananda Sahoo	At/PO-Taladanda, Block-Kujanga, Dist-Jagatsinghpur Mob:9438702494	Pond based IFS
13	Prakash Chandra Panda	At/Po-Kunjakoti Block-Erasama Dist-Jagatsinghpur Mob:9437317012	Mechanized farming

## 9.13. Revenue generation

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

#### 9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e.	Present status of functioning
	IMD/ICAR/Others (pl. specify)	
2009	IMD	Not functioning

## 9.16. Contingent crop planning

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

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

a) Year: 2019-20

b) Introduction / General Information:

Title	Objective	Treatment	Date of	Replication	Result with
		details	sowing		photographs

Experiment 1			
Experiment 2			
Experiment 3			
Others (If any)			

#### 11. Details of TSP

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

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

- b. Fund received under TSP in 2019-20 (Rs. In lakh):
- c. Achievements of physical outcome under TSP during 2019-2020

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

d. Location and Beneficiary Details during 2019-2020

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

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

Natural Resource Management

Name of intervention undertaken	Numbers under	No of	Area (ha)	No of farmers covered / benefitted							Remarks		
undertaken	taken	units	(IIII)	benefitted									
				SC		ST		Oth	er	Tot	tal		
				M	F	M	F	M	F	M	F	Т	

## Crop Management

Name of intervention undertaken	Area (ha)	N		rmers cov enefitted	vered /	Remarks
		SC	ST	Other	Total	
		M F	M F	M F	M F T	

## Livestock and fisheries

Name of intervention	Number	No	Area	No of farmers covered /							Remarks	
undertaken	of animals covered	of units	(ha)	benefitted								
				SC	ST		Othe	er	Tot	al		
				M F	M	F	M	F	M	F	T	

## Institutional interventions

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

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC ST Other Total					1			
		M F M F M F M F					T			

#### Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

- 14. Any significant achievement of the KVK with facts and figures as well as quality photograph
- 15. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

S1.	Name of the	Trust	Date of Trust	Proposed	Commodity	No. of	Financial	Success indicator
No.	organization / Society	Deed No.& date	Registration Address	Activity	Identified	Members	position (Rupees in lakh)	
1	Maa Brajrakali Utpadak Gosthi		At/Po- Bagoi,Kujanga ,Jagatsinghpur	Seed Praduction	Paddy and Greengram	50	15.0	Group cohesiveness, leadership at village level, Adopting new technology
2	Matrusakti Poultry Producer Group		At/Po-Garam, Tirtol, Jagatsinghpr	Poultry production ,plate making,Ph enyl,Agar bati,Custo m hiring	Poultry Implements Goat	25	12.0	Group cohesiveness, saving ability Group Dynamics ,ability to take risk on enterpreurship, leadership at village level, Adopting new technology
3	Satyasai Utpadika Gosthi		At/Po- Jagannathpur, Tirtol,Jagatsin ghpur	Poultry production ,plate making,Ph enyl,Agar bati,Custo	Poultry Implements Goat	31	25.00	Group cohessiveness ,saving ability Group Dynamics ,ability to take risk on enterpreurship,

			m hiring				leadership at village level,Adopting new technology
4	Dharmeswa r Panchayat Mahasangha	At- Koasthi,Po- Kiranti, Tirtol, Jagatsinghpur	*	Poultry Implements Goat	50	21.00	Group cohesiveness ,saving ability Group Dynamics ,ability to take risk on enterpreurship, leadership at village level, Adopting new technology

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

Sl.	Module Module	Area under	Production	Cost of	Value realized in	No. of farmer	% Change in
No.	details	IFS (ha)	(Commodity-	production	Rs.	adopted	adoption during
	(Component	()	wise)	in Rs.	(Commodity-	practicing IFS	the year
	-wise)		,	(Componen			J
				t-wise)			
1	Dond	0.110	Not	4.500	-	26	23
1	Pond	0.110	harvested	4,500			
2	Dairy Unit	0.10	4800 liter	80,000	1,20,000	42	26
	Mushroo				4800	38	31
2	m	0.50	60.1	2400			
3	Productio	0.50	60 kg	2400			
	n Unit						
	Vermicom	0.10		<b>7</b> 00	1000	12	16
4	post Unit	0.10	2q	500	1000		
	Poultry				3,25,000	27	28
5	Unit	0.150	6500nos.	1,95,000	3,23,000	27	20
	Piggery				_	1	2
6	Unit	0.05	Not sold	15,000		1	_
_	Duckery	2.2.7		1000	_	6	2
7	Unit	0.05	Not sold	1000		O	_
	Banana		Not		_	21	27
8	Unit	0.1	harvested	3200		21	_,
	Ome		Not			8	14
9	Areca nut	0.05		2200	_	0	14
			harvested				
			Bitter		2500	4	26
			gourd:125 kg	1200			
			Ridge				
	Single line		gourd:105kg	1400	2100		
10	Trellies	0.05	Country bean:				
	System		120 kg	1200	2400		
			Ivy gourd:52	1200	1040		
			kg (Harvest				
			continuing)				

## 17. Technologies for Doubling Farmers' Income

Sl. Name of the Brief Details of	Net Return to	No. of farmers	One high
----------------------------------	---------------	----------------	----------

N.T	Tr. 1 1	TD 1 1 /2	41 C (D)	1 4 1 4	1
No.	Technology	Technology (3-5 bullet points)	the farmer (Rs.) per ha per year due to the	adopted the technology in the district	resolution 'Photo' in 'jpg' format for each
			technology		technology
1	Varietal substitution with Barshadhan Line transplanting STBF application	Varietal substitution with Barshadhan Line transplanting STBF application	27775	05	
2	summer cultivation of (green gram)	Cultivation of Green gram HYV: IPM 02- 14 by broadcasting 20:40:20 kg NPK / ha Treatment with rhizobium and PSB	8540	05	
3	Paddy straw mushroom (2 beds/day for 4 mths) and cultivation of Oyster Mushroom (2 bags /day for 2 mths	Cultivation     of Paddy     straw     mushroom -     strain OSM-     11 with     proper     management     practices	19000	15	
4	stocking density in Farm pond	Pond and feed management with proper stalking density	20000	05	

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

	Database pre	pared/ covered for	KVK leve	1 Committee	Various activity
Phase	Total no. of Total no. of D		Date of	Name of	conducted for farmers
	villages	farmers	formation	members	
I (up-to 15.03.2018)	13	85	-	-	Need based KMAS
II (up-to 24.04.219)	86	244			advisory given from time
Total	99	329			to time

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

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

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

Name	Name of the	Date of	Date of	No. of participants			Whether	Fund			
of the	certified	start of	completion	SC		ST		Oth	ner	uploaded	utilized for
Job role	Trainer of	training	of training	M	F	M	F	M	F	to SIP	the training
	KVK for the									Portal	(Rs.)
	Job role									(Y/N)	

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

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

## 21. Information on NARI Project (if applicable)

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

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

#### Krishi Kalyan Abhiyan- I and II

#### A. Training

Name of programme	No. of programmes				No. oj	f farmer	s benefi	tted			No. of officials
		SC ST Others Total								attended the	
		M	F	M	F	M	F	M	F	T	programme
KKA-I											
KKA-II											

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

Name of progra mme	No. of Prog ram me	Tot	al quantii	ty distril	outed		No. of farm	ners benefited		No. of other officials (except KVK) attended the programme
		See	Planti	Inpu	Othe	SC	ST	Others	Total	

	d (q)	ng materi al (lakh)	t (kg)	r (kg/ No.)	М	F	М	F	М	F	М	F	T	
KKA-I														
KKA- II														

## C. Livestock and Fishery related activities

Name of	No.		Activities performed				No. of farmers benefited								No. of other
program	of	No. of	No. of	Feed/	Any	S	C	S	T	Ot	hers		Total		officials
me	Pro	anima	anima	nutrie	other										(except
	gra mm e	ls vaccin ated	ls dewor med	nt supple ments provid ed (kg)	(Distrib ution of animals / birds/ fingerli ngs) [No.]	М	F	М	F	М	F	М	F	T	KVK) attended the programme
KKA-I															
KKA-II															

#### D. Other activities

Name	Activities			No	. of far	mers b	enefite	ed .			No. of other
of		SC		S	T	Otl	hers		Tota	ıl	officials
progra mme		M	F	M	F	M	F	M	F	T	(except KVK) attended the programme
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	No. of animal inseminated			No.	Any other, if any (pl. specify)						
covered		SC	SC ST Others Total								2 2 11
		M	F	M	F	M	F	M	F	T	

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

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

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



Assessment of Submergence tolerant rice Varieties



Assessment of Herbicides for weed management



Management of BPH & WBPH



Sulphur application in tomato



Demonstration on bypass fat feeding



Training on Vermicompost production



Demonstration of application of Micro-nutrient mixture for increasing fruit yield in Okra



Demonstration of Yard Long Bean variety "Arka Mangala" for higher yield



Demonstration of production technology of Vermicompost



Demonstration of production of paddy straw mushroom with threshed straw

\*\*\*

#### **ANNEXURE-I**

#### PROCEEDINGS OF THE 15th SAC MEETING, KVK, JAGATSINGHPUR

The 15<sup>th</sup> SAC meeting of KVK, Jagatsinghpur was held on dated. 14.01.2020 at 10.00 am in KVK premises under the chairmanship of Prof. Pravat Kumar Roul, DEE, OUAT, Bhubaneswar. The members present in the meeting are annexed herewith. The welcome address was given by Dr. Biswa Ranjan Pattanaik, Senior Scientist & Head, KVK, Jagatsinghpur to all the members with bouquet of flowers. The Hon'ble Chairman of the committee inaugurated the meeting by lighting the lamps.

After a small introductory remark, the chairman advised the Senior Scientist & Head to present the achievements and proceedings (Action taken report) of the last SAC as per the agenda.

#### Agenda-1: Approval of the proceedings of last meeting.

The Senior Scientist & Head of KVK, Jagatsinghpur presented the achievements of KVK for the year Kharif 2019 and Rabi 2019-20. He also presented the proceedings of the 14th SAC held on 12.12.2018 in brief. The Chairman with the consent of all the members of the SAC approved the proceedings.

#### Agenda-2: Action taken on the recommendations of the 14th SAC meeting

The Senior Scientist & Head presented the following actions taken by the KVK as per the recommendations of the last SAC meeting.

SUGGESTIONS	ACTIONS TAKEN
Suitable low land water submergence tolerant rice varieties may be taken.	Assessment of submergence tolerant rice varieties- Swarna sub 1 and CR1009 sub 1
Training should be given on problem soil management.	Training programme on Salinity management conducted at village-Achyutdaspur and Japa in Ersama block.
Manual weeding is expensive in transplanted rice. Suitable herbicide may be applied.	Assessment of herbicides (Bispyribac sodium 10 SC and Amix 20 WP) for weed control in transplanted rice
BPH and WBPH in rice is a major problem.	Demonstration of management of BPH and WBPH in rice
Wilting in brinjal is a problem.	Demonstration of Integrated management of wilt complex in brinjal
Low yield in Green gram	Demonstration on INM in Green gram
Low keeping quality and dull colour of tomato due to sulphur deficiency.	Demonstration on sulphur application in medium land tomato
Late maturity in heifers.	Demonstration on bypass fat feeding and mineral mixture supplementation for early sexual maturity in heifers at Bagoi & Gamhapur village.
Popularization of fodder cultivation for dairy.	Demonstration on Hybrid Napier (CO-4) fodder production in dairy farming.
YVMV problem in Green gram	Demonstration of Integrated management of YVMV in green gram
Training on Vermicomposting and Organic farming should be taken up by KVK	Training programme conducted at village- Gamhapur

	9.
Organic vegetable cultivation may be initiated in KVK in a small area	A Nutritional garden has been established with organic inputs
During distribution of soil health card, the officials of line department may be included.	On 5 <sup>th</sup> December,2019 World Soil Day was organized jointly with Agriculture department.
Farmers should be counseled on the right time and right dose of pesticides as prevention is better than cure.	KMAS is being sent every month
Green manuring in rice may be taken up./ Management of Acidic & Saline soil	Demonstration on Green manuring of Dhaincha for salinity management in rice
IMC production should be doubled	Demonstration of "Jayanti Rohu"in composite carp culture for more yield and Demonstration of Amur carp in composite pisciculture
YVMV in green gram is a major problem in the district.	Demonstration of Integrated management of YVMV in green gram
Discolouration, cracking and poor quality of curd in cauliflower.	Assessment of Sulphur and Boron application in Cauliflower
FLD on Vermicompost production may be undertaken	Demonstration of production technology of Vermicompost has been undertaken in village-Nimakana, Gamhapur, Gobindapokhari and Japa.
Less oil content and poor quality pod in Groundnut	Demonstration on Secondary and micro nutrient(Sulphur and Boron) application in Groundnut
Weeding in brinjal by farm women is a tedious process	Demonstration of Wheel Cycle Weeder in Brinjal for drudgery reduction of farmwomen
Khaira disease of rice	Assessment of zinc deficiency in lowland rice
Low yield of paddy straw mushroom	Assessment of humidity/moisture management in paddy straw mushroom in low temp.
Farmers getting low price of milk due to low fat percentage	Assessment of bypass fat feeding for increasing milk production in dairy cows conducted at Gamhapur, Bagoi, saharadia & Mohammodabad and Goram Village
Sheath Blight in rice is a problem	Assessment of Integrated practices of management of Sheath Blight in rice
Malnutrition in members of farm family	Demonstration of nutritional garden for Improving Nutritional Security of farm family
Stunted growth of chickens in backyard poultry	Comparative assessment of multi-enzyme mixture and probiotics on growth of chickens in semi intensive system of rearing conducted at Saharadia, Bagoi, Gamhapur village
Small size curd and low yield in cauliflower	Demonstration of Arka Microbial Consortium (Microbial Plant Growth Promoters) for enhancing yield in Cauliflower
Deficiency of micro-nutrients in vegetables	Demonstration of application of Micro-nutrient mixture for increasing fruit yield in Okra
Seedling raising in coco peat may be tried	Assessment of different methods of portray nursery raising for quality seedling production in tomato
Yard long bean is being widely cultivated. Suitable variety may be tried	Demonstration of Yard Long Bean variety "Arka Mangala" for higher yield

Drumstick is rich in iron. Suitable variety for Jagatsinghpur district may be tried	Assessment of drumstick varieties (Bhagya and PKM-1) for higher yield in drumstick
Popularize Salt tolerant Varieties like Luna Sampad in saline areas	One varietal trial has been initiated at KVK farm for multiplication of seeds. Rice seeds of different salt tolerant varieties has been distributed during kharif season. Training programme conducted at Japa village

#### Agenda-3: Achievements made by KVK

The overall achievement made by KVK, Jagatsinghpur was presented by the Senior Scientist & Head, KVK for Kharif 2019 and Rabi 2019-20. The Senior Scientist & Head presented in brief about the achievements of KVK for the said period. The KVK has conducted 53 nos. of training programmes for practicing farmers/ farm women with 1610 trainees, 03 nos. for Rural youths with 60 trainees and 01 nos. of In-service trainings with 20 trainees. The KVK has also conducted 12 no. of OFTs, 18 no. of FLDs in farmer's field during Kharif 2019 and Rabi 2019-20 and a total of 1272 nos. of extension activities.

Detail discussions were made by the members on the achievements made by KVK and appreciated.

#### Agenda-4: Action Plan and Suggestions made by the members present

Action plan for the year-2020(January-December) is going to be prepared during this month. The Chairman requested the members for suggestion.

- A. During the discussion, Hon'ble DEE, OUAT, Bhubaneswar emphasized that outreach should be more and to cover all blocks with linkage with Line departments. The other valuable suggestions given by him were:-
  - Training on specific problem should be conducted in a particular village whereas training on generalized problems should be conducted at KVK campus and at different villages affected by that problem.
  - Integrates approaches for pest and Nutrient management should have a combination of all management practices like Cultural methods, Chemical methods and Biological methods instead of a single method of approach.
  - Awareness training on management practices to check kid mortality should be taken up.
  - Rice var. Luna Sampad may be multiplied at village level.
  - Programmes on use of Bypass fat should be focused on progressive dairy farmers having high yielding cows.
  - More than one number of parameters may be studied for drudgery reduction programmes.
  - Parameter on Flowering time may be taken in Drumstick OFT.
  - Curd diameter and curd weight parameter to be taken in assessment of Sulphur and Boron for curd quality and higher yield in cauliflower.
  - Awareness programme for use of Sulphur may be taken up.
  - Help of Fishery department should be sought for training and demonstration programmes at KVK.
  - For promotion of rearing of Kadaknath, district hatchery should produce day old Kadaknath chicks and KVK and OLM may collaborate to popularize this breed on a wider scale.
  - KVK-Puri has developed "Mushroom app" which may be popularized.
  - For attracting youth towards Agriculture focus should be on profitable agricultural ventures such as Animal Husbandry, Fishery, Horticulture and use of Farm machinery, IT in Agriculture.
- B. Dr. Kalyan Sundar Das, Principal Scientist, ICAR-ATARI, Kolkata suggested the followings:-
  - Action taken report on previous SAC recommendations should have quantifiable data particularly with respect to trainings.

- While designing OFT on bypass fat feeding the basic ration of cows in all the replicates should be as much similar as possible.
- The description of technology in technological options should be in brief.
- FLD should be given in abstract form.
- No. of trainees per KVK should be at least 2500 from 100 trainings for full scientific staff strength.
- OFT programme may be designed for improving growth rate of Kadaknath through feed supplementation.
- SAC meeting should be completed in April-June.
- Network KVKs may involve scientists of a discipline with limited manpower on a sharing basis.
- Based on opportunity KVK should focus on one commodity and make that an identity for itself.
- Documentation of all work should be done.
- Market linkage should be emphasized.
- C. Dr. G.A. K. Kumar, Head, Social Science Division, NRRI, Cuttack suggested the followings:-
  - Use of media for awareness creation activity on a wide scale throughout the district.
  - Use of NRRI technologies such as Customized Leaf colour chart(CLCC), Rice expert app should be popularized.
  - Rural youths with innovative ideas in Agricultural field may be identified and linked to Agribusiness incubation center at NRRI for availing grants offered by central and state govt.
- D. The Chief District Agriculture Officer, Jagatsinghpur suggested that Sikha and Virat are two varieties of Greengram resistant to YVMV. Cyclone and Unseasonal rainfall are major problems of the district. So varieties and practices resilient to these problems should be tested and demonstrated. Rural youths should be exposed to income generating potential of agriculture to attract them towards it. They may be encouraged to develop knowledge seeking tendency and laborious attitude in addition to use of information technology devices. Till now non-availability of YVMV resistant variety of Greengram continues to be a problem for the district. TMV-2 variety of Greengram needs to be improved. Method of soil sample collection from grid have been revised and farmers should be encouraged to follow fertilizer application as per soil health card recommendation based on soil sample test results of revised grids.
- E. The Asst. Director of Horticulture, Jagatsinghpur suggested to popularize Onion cultivation to meet the market demand. Due to marketing constraints, demonstration on Rose cultivation may be reconsidered. Under MIDH programme, project on Mushroom spawn production project can be given. Polyhouse, Shade net house and Vermicompost may be demonstrated in KVK adopted villages for visitors. Farmers may be sensitized to avail subsidy from Horticulture departments. Transportation of Paddy straw mushroom to distant places by conventional method is a problem due to the perishable nature of the produce. So new technology may be explored to extend the shelf-life of mushroom.
- F. Dr. Sasanka Sekhar Lenka, Nodal Office, O/O The CDVO, Jagatsinghpur suggested that including value addition of dairy products in training programmes could be useful to dairy farmers. District Poultry hatchery may produce Kadaknath chicks if it is included in the low input technology poultry breeds approved by DAHD, Govt. of India. Fodder cultivation should be promoted through training and demonstration programmes.
- G. Mr. S. K. Dash, District Fisheries Officer, Jagatsinghpur suggested that to attract rural youths towards Agriculture fishery should be promoted as marketing is not a constraint in this sector. Training and demonstration activities may be up scaled and should include participation of district fishery department in a need based manner. Govt. schemes relating to fishery sector should be elaborated during KVK training programmes.
- H. Mr. Jugal Kishore Panda, Programme Officer, AIR, Cuttack thanked KVKs of the coastal districts for their active participation in different agriculture related programmes being broadcasted from AIR, Cuttack. He suggested the continuation of this association and stressed on designing topics on organic farming for health and environmental benefits. Novel and less explored allied agricultural activities such as apiculture, biofloc technology in fishery and integrated fish farming should be promoted.

- I. Mrs. Priyansi Nayak, DPM, Odisha Livelihood Mission, Jagatsinghpur said that GPLFs in Jagatsinghpur have been financially assisted to the tune of 3.5 lakhs. This fund is intended for livelihood generation activities including agriculture. The members are interested in mushroom cultivation, poultry rearing and nutritional gardening. KVK may link with OLM to assist the GPLFs in these areas.
- J. Mr. Akshya Kumar Nayak, Small farmer, Village-Mohammadabad suggested reintroduction of old well performing varieties of rice such as Moudamani. He suggested diversifying Agriculture and allied activities for income security. To attract rural youth to agriculture bank finance should be extended to them. Environmental and Social problems like Monkey and Bull menace in agriculture should be taken care of by govt. Mushroom and Apiculture activities should be promoted and up scaled for income generation.
- K. Mr. Nrusingha Charan Behera, Big farmer, Village-Saharadia suggested that bank finance is a problem for farmers. There is need to aware farmers about use of Gypsum and paper mill sludge. Communication gap is there in awareness to farmers about soil test. For this support from line department is required.

#### **Agenda-5: Concluding remarks by the Hon'ble Chairman**

The Hon'ble Chairman thanked all the members for sharing their valuable suggestions and suggested the KVK to increase the outreach and coverage of the institute (i.e. cover all the blocks). Youth mayn be attracted towards Agriculture if we can highlight the income generating potential of Horticulture, Veterinary, Fishery sector as well as Integrated farming system. Assessment of green gram varieties should be done in the KVK farm and the most suitable varieties may be taken up in the seed production programme to meet the demand of the farmers. Quality seed production of Green gram should be carried out in the KVK farm to meet the demand of the farmers in the district. The successful farmer in a particular field should be selected for giving training to other farmers as farmer believes a farmer more than a government officer.

#### **Agenda-6: Constraints of KVK**

- Vacant post of Computer Programmer
- Vacant post of Accountant / Superintendent
- Damaged Threshing floor
- Small size of Godown (390 sq ft)
- Water stagnation due to improper drainage facility.
- Narrow and small training hall
- No concrete road from the Farmers Hostel to different demonstration units.

The meeting was concluded with vote of thanks by Mrs. Sarita Das, Prog. Asst.(Fishery) of KVK, Jagatsinghpur.

#### **List of Participants:**

Sl. No.	Name & Designation	Status
1	Prof. Pravat Kumar Roul, DEE, OUAT, Bhubaneswar	Chairman
2	Dr. G.A. K. Kumar, Head, Social Science Division, NRRI, Cuttack	Member
3	Dr. Kalyan Sundar Das, Principal Scientist, ICAR-ATARI, Kolkata	Member
4	Dr. R. N. Mohapatra, Chief District Agriculture Officer, Jagatsinghpur	Member
5	Dr. Sasanka Sekhar Lenka, Nodal Office, O/O The CDVO, Jagatsinghpur	Member
6	Mr. S. K. Dash, District Fisheries Officer, Jagatsinghpur	Member
7	Mr. Biswa Ranjan Mohanty, DDM, NABARD, Jagatsinghpur	Member
8	Mr. S. K. Patra, LDM, Jagatsinghpur	Member
9	Mr. Mihir Samantaray, ADH, Jagatsinghpur	Member
10	Mrs. Priyansi Nayak, DPM, Odisha Livelihood Mission, Jagatsinghpur	Member

11	Mr. Jugal Kishore Panda, Programme Officer, AIR, Cuttack	Member
12	Mrs. Laxmipriya Nayak, Member Sceretary, UTSHARGA-NGO	Member
13	Mr. Anil Kishore Mohanty, S.C.O., Jagatsinghpur	Member
14	Mr. Nrusingha Charan Behera, Progressive farmer, Village-Saharadia	Member
15	Mr. Ashok Choudhury, Progressive farmer, Village-Bagoi	Member
16	Mr. Gopal Charan Pattanaik, Progressive farmer, Village-Dhinkia	Member
17	Mr. Akshya Kumar Nayak, Progressive farmer, Village-Mohammadabad	Member
18	Dr. Sanjaya Kumar Mohanty, SS&Head, KVK-Puri	Invitee
19	Dr. Surya Narayan Mishra, SS&Head, KVK-Kendrapada	Invitee
20	Dr. Biswa Ranjan Pattanaik, Senior Scientist & Head, KVK,	Member
	Jagatsinghpur	Secretary

Senior Scientist & Head, KVK, Jagatsinghpur