PROFORMA FOR ANNUAL REPORT 2023 (January-December 2023)

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, Puri At/Po- Sakhigopal, Dist- Puri, Pin-752014, Odisha	06752273960	06752273960	kvk.puri@ouat.ac.in kvkpuri.ouat@gmail.com

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

Address	Telephone		E-mail
	Office	FAX	
Orissa University of Agriculture & Technology Bhubaneswar-751003, Odisha, India.	(0674)-2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868		registrarouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Surya Narayan Mishra		9668509504	suryakrishna4422@gmail.com

1.4. Year of sanction of KVK: 2006

1.5. Staff Position (as on 1st January, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Sanjay Kumar Mohanty	Senior Scientist & Head	Entomology	15600-39100 (GP-8000) Rs87200./-	15.09.17	Permanent	
2	Subject Matter Specialist	Dr. Sumita Acharya	Scientist (H.Sc.)	Home Science	15600-39100 (GP-6000) Rs79800./-	18.06.18	Permanent	
3	Subject Matter Specialist	Dr. Dipsika Paramjita	Scientist (Agril. Engg.)	Agriculture Engineering	15600-39100 (GP-6000) Rs77500/-	23.11.18	Permanent	
4	Subject Matter Specialist	Dr. Ambika Prasad Nayak	Scientist (Fishery)	Fishery	Level-10 Cell-16 Rs.89800/-	04.06.21	Permanent	
5	Subject Matter Specialist	Mrs. Sonita Rani Sethi	S.M.S(Agril. Extn.)	Agriculture Extension	15600-39100 (GP-) 5400 Rs51300/-	13.08.18	Permanent	
6	Subject Matter Specialist	Vacant					Permanent	
7	Subject Matter Specialist	Vacant					Permanent	
8	Programme Assistant	Vacant					Permanent	
9	Computer Programmer	Mrs. Puspanjali Mishra	Prog. Asst (Comp.)	Computer	9300-34800 (GP-) 4200 Rs 56900/-	17.08.15	Permanent	
10	Farm Manager	Mrs. Neeva Mohapatra	Farm Manager	Plant physiology	9300-34800 (GP-) 4200 Rs 41100/-	29.12.15	Permanent	
11	Accountant / Superintendent	Vacant					Permanent	
12	Stenographer	Sri Bibhu Prasad Dash	Steno cum computer operator	Graduation	5200-20200 (GP-) 2400 Rs. 28400/-	1.8.12	Permanent	
13.	Driver	Sri Nirakar Pradhan	Driver cum Mechanic	Office	5200-20200 (GP-) 1900 Rs 28400/-	1.09.15	Permanent	
14.	Driver	Sri Bijay Kumar Barik	Driver cum Mechanic	Office	5200-20200 (GP-) 1900 Rs 22900/-	12.08.16	Permanent	
15.	Supporting staff	Sri Babaji Sethi	Peon cum Watchman	Office	4440-7440 (GP-) 1700 Rs. 22900/-	07.8.08	Permanent	
16.	Supporting staff	Sri Brajabandhu Sahani	Peon cum Watchman	Office	4440-7440 (GP-) 1700 Rs. 22900/-	08.8.08	Permanent	

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	Admin building 0.0258, Farmers' hostel- 0.0305
2.	Under Demonstration Units	0.0081
3.	Under Crops	13
4.	Orchard/Agro-forestry	0
5.	Others with details	0.3256 2.61
	Total	**16.0**

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						258	Use	ICAR
2	Farmers Hostel	√					305	Not	ICAR
3	Staff Quarters (6)	Nil							
4	Piggery unit	Nil							
5	Fencing	Yes							RKVY
6	Rain Water harvesting structure	Nil							
7	Threshing floor	Nil							
8	Farm godown	√	√ (Roof completed)						
9	Dairy unit					√ (damaged by FANI)		Not	ICAR
10	Poultry unit					√ (damaged by FANI)		Not	ICAR

11	Goatery unit	Nil							
12	Mushroom production unit					Yes		Use	Fund of KVK
13	Shade house					Yes		Use	Fund of KVK
14	Polyhouse					Yes		Use	Fund of KVK
15	Ornamental Fish Unit					Yes		Use	Fund of KVK
16	Vermicompost production Unit					Yes		Use	Fund of KVK
17	Medicinal Plants Unit					Yes		Use	Fund of KVK
18	Ridge & Furrow Model Unit					Yes		Use	Fund of KVK
19	Apiary Unit					Yes		Use	Fund of KVK
20	Azolla Unit					Yes		Use	Fund of KVK
21	Biofloc Unit					Yes		Use	Fund of KVK
22	Mushroom Spawn Unit					Yes		Use	Fund of KVK
23	Bio-product unit					Yes		Use	Fund of KVK

* 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
Maruti Dzire	2022			
Tractor & Trolly- OR02AN5687/5688	2007	500000	1389 (hr)	Running condition
Bike (Passion Pro)-OR13F2157	2010	48000	39690	Running condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Mridaparishyak Mini Kit	2015	75000	Working condition	ICAR
Mridaparishyak Mini Kit	2016	86000	Working condition	ICAR
b. Farm machinery				
Zero till drill machine (3 row)	2012	20000	Working condition	ICAR
Zero till seed cum fertilizer drill	2012	47500	Working condition	ICAR
Sprinkler rain gun	2016	37456		

Brush cutter	2016	25000	Working condition	ICAR
Power tiller	2016	155500	Working condition	ICAR
Power reaper	2016	116134	Working condition	ICAR
Diesel pumpset	2016	23000	Working condition	ICAR
Axial flow thresher	2016	14100	Working condition	ICAR
Refractometer	2017	4500	Working condition	ICAR
Weighing machine	2017	7500	Working condition	ICAR
Drying cabinet	2018	19898	Working condition	ICAR
Digital refractometer	2018	14950	Working condition	ICAR
Crown cap sealing	2018	5900	Working condition	ICAR
Vaccum sealing	2018	1980	Working condition	ICAR
Food processor	2018	4950	Working condition	ICAR
Paddy straw cutter	2018	1000	Working condition	ICAR
Solar Cabinet Dryer	2018		Working condition	ICAR
Digital Refractometer	2018		Working condition	ICAR
Plastic medium feeder (30 No)	2019	2678	Working condition	ICAR
Plastic grower drinker (15 No)	2019	2410	Working condition	ICAR
Plastic big stand (15no)	2019	535	Working condition	ICAR
Display board with pedestal stand	2019	8400	Working condition	ICAR
Seed display with single cavity	2019	1160	Working condition	ICAR
Seed display with 2 round cavity	2019	1750	Working condition	ICAR
Seed display with 3 round cavity	2019	2000	Working condition	ICAR
Drip irrigation material	2019	19000	Working condition	ICAR
Power sprayer	2023	16719	Working condition	IRRI
Battery sprayer	2023	4800	Working condition	IRRI
Power weeder	2023	88034	Working condition	IRRI
Seed Drill	2023	123200	Working condition	IRRI
c. AV Aids				
Computer (Desktop 3no)	2010, 2012, 2016	38500 49520 36000	Working (one monitor is not Working	ICAR
Laptop (1no)	2018	44900	Working	ICAR
Laptop(1No)	2020	29780	Working condition	ICAR, ARYA
Desktop (1 No)	2020	59000	Working condition	ICAR, ARYA
LCD Projector (2no)	2006	38858	Repairable	ICAR

	2018		Working	
Projector Screen (2No)	2006 2018	4990	Working condition	ICAR
Sound system 1no	2006	15420	Working condition	ICAR
Portable Sound system, 1 No	2020	15000	Working condition	ICAR, ARYA
Digital camera	2017	17900	Working condition	ICAR
Digital camera	2020	80000	Working condition	ICAR, ARYA
Printer cum xerox	2016	44751	Working condition	ICAR
Printer cum scanner (1no)	2020	20000	Working condition	ICAR, ARYA

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Phowrah	2017	440	Working	ICAR
Sickle	2017	220	Working	ICAR
Crowbar	2017	750	Working	ICAR
Gaintee	2017	300	Working	ICAR
Katuri	2017	375	Working	ICAR
Handhow	2017	160	Working	ICAR
Kodi	2017	350	Working	ICAR
Axe	2017	300	Working	ICAR
Garden rake	2017	330	Working	ICAR
Sickle	2017	220	Working	ICAR
Spade (3no)	2017	390	Working	ICAR
Phowrah	2015	200	Working	ICAR
Sabal	2015	640	Working	ICAR
Grafting knife	2017	190	Working	ICAR
Hedge cutter	2017	160	Working	ICAR
Secateurs	2018	310	Working	ICAR
Secateurs	2018	345	Working	ICAR
Power operated Mushroom straw cutter	2022	22000	Working	ICAR-ARYA

1.8. Details of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1	19.01.2024	30	Conduct OFT of Tractor drawn Baler for insitu straw residue management		
			Demonstration on off season marigold cultivation		
			Trial, demonstration may be taken for control of vine rot diseases of betelvine		
			Establishment of coconut nursery and supply hybrid seedling to farmers		
			Establishment of a demonstration unit of strawberry & apple in KVK campus		
			Include nutrient data analysis in Nutritional garden trial		
			Conduct awareness programme on packaging & branding of value added products		
			Demonstration on bold groundnut seed variety		
			Demonstration on bio-fortified rice variety		
			Demonstration on application of soil consortia in crops		

** 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 (2023)

Sl. no.	Item	Information
1	Major Farming system/enterprise	➢ Field crop-Pulses ➢ Field crop-oil seed ➢ Rice-Fallow ➢ Field Crop - vegetable ➢ Field Crop+ vegetable + dairy ➢ Orchard + mushroom ➢ Field Crop+ vegetable+ floriculture+ dairy+ pisciculture

		➢ Field Crop+ poultry+ goatery+ mushroom+ pisciculture ➢ Field Crop+ orchard+ floriculture+dairy/poultry/goatery+ pisciculture ➢ Nursery raising ➢ Mushroom cultivation ➢ Pisciculture ➢ Poultry ➢ Bee keeping ➢ Coir Industry	
2	Agro-climatic Zone	East and South Eastern Coastal Plain Zone	
3	Agro ecological situation	1. Coastal Alluvial Command 2. Coastal Alluvial Non-command 3. Coastal Alluvial Saline 4. Rainfed Laterite 5. Rainfed Red and Laterite	
4	Soil type	Red, laterite, brown forest, alluvial and saline	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Cereals: Rice-(Kharif) - 18.82 q/ha (Rabi) - 34.94q/ha Pulse- 2.50q/ha Oilseed- 18.78q/ha Vegetables-85.29q/ha Millets-5.5q/ha Spices-4.48q/ha	
6	Mean yearly temperature, rainfall, humidity of the district	Temp(Max)- 30.60^0 C (May) Temp (Min)- 23.60^0 C(Dec), Rainfall- 1408 mm Humidity – Maximum- 80%, Minimum- 58%	
7	Production of major livestock products like milk, egg, meat etc.		
		Production- 20583.5 MT	
		Freshwater pond and tanks	3061.35 ha
		Brackish water pond and tanks	4693.53

2.b. Details of operational area / villages (2023)

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
Satyabadi	Otrkera, Mathasahi, Biragobindapur, Jaypur, Atheisa, Basudeipur, Panchukera, Banapur, Sandrasasan, Gualigorada Bharatipur Balapur Sanabhimdaspur Bhutpada Jipur Kahnapur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Watermelon 7. Dairy 8. Poultry 9. Goat 10. Fishery 11. Mushroom 12. Apiary 13. Vermicompost	1. Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide /agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroecotourism • Promotion of brackish water prawn export • Organic farming
Pipili	Adangapada, Dandamukundapur, Matiapada, Dumukipur, Saraswatipur, Kumareswar Kunjara Bharatipur Abalapur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary 12. Vermi compost	1. Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/ agents, soil salinity, indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space,	• Paddy -HYV, aromatic rice, IDM, IPM, INM, IWM • Pulse - HYV, IDM, IPM, INM, IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			lack of awareness on enterprise	marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Nimapada	Gopalpur, Nahatara, Gadatorihan, Dalabhanapur, Haripur, Nuasahi, Sahadapada, Naruda, Jagannathpur, Resinga, Srimukha	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	1. Low yield, disease, pest, weeds,submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/ agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			&parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroecotourism • Promotion of brackish water prawn export • Organic farming
Delanga	Machapada, khairamangalpur, Singhberhampur, Gobindpur	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery	1. Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/ agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
		10. Mushroom 11. Apiary	4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease &parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
Kanas	Lokpal, Gadabadaput	Pulse	1. Low yield, disease pest, lack of INM,IDM,IPM, Biopesticide/agents, soil salinity ,indiscriminate use of chemicals	• Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals
Kakatpur	Othaka, Mahadevbast, chandikuda, dahikhia,	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	12. Low yield, disease, pest, weeds, submergence/ flood tolerant 13. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/ agents, soil salinity ,indiscriminate use of chemicals 14. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 15. Lack of INM and management 16. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 17. Lack of fodder, proper nutrition, costly feed, disease, parasite 18. Local breed with low output, disease 19. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 20. Pond management, unavailability of quality fish seed, high feed cost, low productivity 21. Low yield, spawn, straw unavailability, no round the year production, hygiene 22. Unutilised orchard inter space, lack of awareness on enterprise	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Gop	Oruali, Subarnapur, sarada, Bangur, Sama, Bhadisha, Chadeigaon, Galabari, Dhumal, Deuli	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Watermelon 6. Banana 7. Dairy 8. Poultry 9. Goat 10. Inland fishery 11. Mushroom 12. Apiary	23. Low yield, disease, pest, weeds, submergence/ flood tolerant 24. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/ agents, soil salinity ,indiscriminate use of chemicals 25. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 26. Lack of INM and management 27. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 28. Lack of fodder, proper nutrition, costly feed, disease, parasite 29. Local breed with low output, disease 30. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 31. Pond management, unavailability of quality fish seed, high feed cost,	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			low productivity 32. Low yield, spawn, straw unavailability, no round the year production, hygiene 33. Unutilised orchard inter space, lack of awareness on enterprise	• Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Sadar	Naiguan, Arala, Tulasichaura, Alasankha Kapileswarpur Rendua,Talajanga,Patajoshipur, Sukala, Ola	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana 6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary 12. Fish Production	1. Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/ agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition,	• Paddy -HYV, aromatic rice, IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals • Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
			costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agroeco tourism • Promotion of brackish water prawn export • Organic farming
Krushnaprasad	Panaspada, anandapur, Jadupur, Haripur, Gabaakunda Ora	1. Paddy 2. Pulse 3. Vegetable 4. Coconut 5. Banana	1. Salinity of soil & water, Low yield, disease, pest, weeds, submergence/ flood tolerant 2. Low yield, disease pest, lack of INM, IDM, IPM, Biopesticide/	• Paddy –Saline tolerant , IDM,IPM,INM,IWM • Pulse - HYV, IDM, IPM, INM ,IWM, soil management, use of bioagents, chemicals

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
		6. Dairy 7. Poultry 8. Goat 9. Inland fishery 10. Mushroom 11. Apiary	agents, soil salinity ,indiscriminate use of chemicals 3. Low yield, lack of high yielding variety, unavailability of planting material, disease pest & weeds 4. Lack of INM and management 5. Low yield, Sigatoka, Panama wilt, fruit & shoot borer 6. Lack of fodder, proper nutrition, costly feed, disease, parasite 7. Local breed with low output, disease 8. Inbreeding, faulty buck /kid/ doe management, nutrition, disease & parasite 9. Pond management, unavailability of quality fish seed, high feed cost, low productivity 10. Low yield, spawn, straw unavailability, no round the year production, hygiene 11. Unutilised orchard inter space, lack of awareness on enterprise	• Vegetables - HYV, IDM, IPM, INM, IWM, floriculture, soil management • Coconut- INM, Pest management • Banana- HYV tissue culture , IDM, IPM, INM, IWM • Integrated fish farming and fish health management • Feeding and Health management of dairy animals and small ruminants • Profitable dairy and goat farming • Commercial and backyard poultry farming • Commercial floriculture and organic farming • Farm mechanization for timely operation and save high Labour cost • Value addition to fruits, vegetables, milk and low cost marine fish and prawn • Profitable poultry and duckery • Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Inland Water Bodies for multiple production • Resources for multiple cropping • Coconut orchard for intercrop • Promotion of coir industry • Promotion of agro ecotourism

Name of the Block	Name of the Villages	Major Crops/ Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				• Promotion of brackish water prawn export • Organic farming
Brahmagiri	Badadiandi Gadarodanga	1.Fish production		• Fish seed production in small ponds • Fish production in low saline coastal zone • Aquatic weed infested pond • Promotion of brackish water prawn export

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2023) for its development and action plan

Name of village	Block	Action taken for development
Ora	Krushna Prasad	OFT, FLD, Training, Awareness programme
Ola	Puri Sadar	OFT, FLD, Training, Awareness programme
Shreemukha	Nimapara	OFT, FLD, Training, Awareness programme
Gadabadaput	Kanas	OFT, FLD, Training, Awareness programme
Kanhapur	Satyabadi	OFT, FLD, Training, Awareness programme

2.1 Priority thrust areas

S. No	Thrust area
1	INM, IPM, IWM in cereals, pulses, oilseeds and vegetables
2	Varietal substitution of vegetable crops for better yield
3	Millet cultivation
4	Management of problematic soil
5	IDM in betelvine
6	Crop diversification
7	Farm mechanization and agro processing
8	Pond based IFS

9	Intercropping in composite carp culture
10	Ornamental fish culture
11	Small scale entrepreneurship development
12	Value addition of fruits, vegetables and low cost marine fish
13	Household nutritional security

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	91	6	1	0	0	73	11	79	12	91	22	22	210	19	12			139	37	158	49	207

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
85	85	2410	170	109	62	2	1269	815	1501	926	2427	11	11	220	8	5	0	5	**142**	**60**	**150**	**70**	**220**

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

Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
420	431.5	1.02	1.01317

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
305000	508800		

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	08						
Seminar/conference/ symposia papers	02						
Books							
Bulletins							
News letter	01						
Popular Articles	02						
Book Chapter							
Extension Pamphlets/ literature	06						
Technical reports	56						
Electronic Publication (CD/DVD etc)	06						
TOTAL	81						

3.1 Achievements on technologies assessed and refined

OFT-1

1	**Title of On Farm Trial**	Assessment of deep water rice varieties
2	**Problem diagnosed**	Low yield due to less tolerant of prevailing varieties to water logging
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	Assessed FP: Pooja TO1: CR Dhan508 TO2: CR Dhan 506 TO3: CR Dhan 505
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	NRRI,2014
5	**Production system and thematic area**	Rice –Pulse & Varietal evaluation
6	**Performance of the Technology with performance indicators**	No. of EBT/m^2, No of filled grains/panicle, test weight, yield & economics
7	**Final recommendation for micro level situation**	Rice var. CR Dhan 508 is recommended
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: Varietal evaluation

Problem definition: Low yield due to less tolerant of prevailing varieties to water logging

Technology assessed:

FP: Pooja
TO1: CR Dhan508
TO2: CR Dhan 506

TO3: CR Dhan 505

Table:

Technology option	Grain Yield (q/ha)	Test Wt (g)	Filled Grains/ panicle (No.)	Panicle Length (cm)	EBT/m^2 (No.)	Net Return (Rs/ha)	B:C Ratio
FP	40.5	21.2	91	20.6	302	38412	1.77
TO_1	46.2	22.6	112	22.4	344	47855	1.90
TO_2	43.4	21.6	104	21.8	325	41742	1.79
TO_3	45.2	22.4	107	22.1	332	45672	1.86
Sem ±	0.61					1339.6	0.025
CD at 5%	1.89					4127.2	0.078

Results:

OFT-2

1	**Title of On Farm Trial**	Assessment of decomposer for *in-situ* residue management in rice

2	**Problem diagnosed**	Residue Burning
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Burning of remaining rice residue TO1:NRRI decomposer@10 capsules in 100 L of cow dung slurry + 2 % jaggery solution + 0.5% urea solution kept for 7 days and sprayed for 1 ha TO2: PUSA decomposer @ 4 capsules in 25L of water with 2 % jaggery solution and pulse powder for 1 ha
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	NRRI, 2021 & IARI,2020
5	**Production system and thematic area**	Rice Fallow & Crop residue management
6	**Performance of the Technology with performance indicators**	Decomposition period, soil organic carbon before and after, ease of cultivation of next crop
7	**Final recommendation for micro level situation**	Farmers not accepted the technology.
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: Crop residue management

Problem definition: Residue Burning

Technology assessed:

FP: Burning of remaining rice residue

TO1: NRRI decomposer@10 capsules in 100 L of cow dung slurry + 2 % jaggery solution + 0.5% urea solution kept for 7 days and sprayed for 1 ha

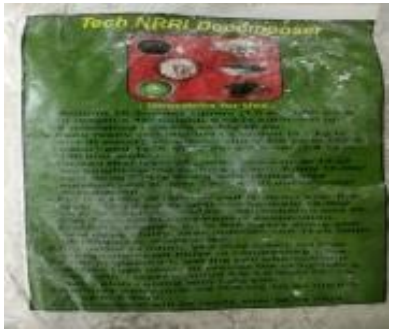
TO2: PUSA decomposer @ 4 capsules in 25L of water with 2 % jaggery solution and pulse powder for 1 ha

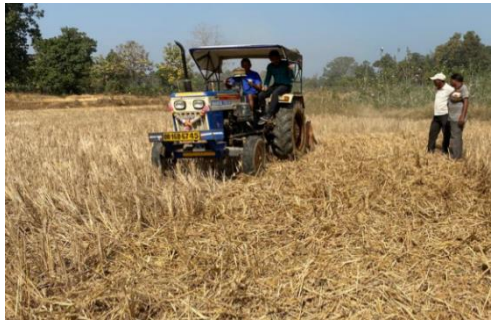
Table:

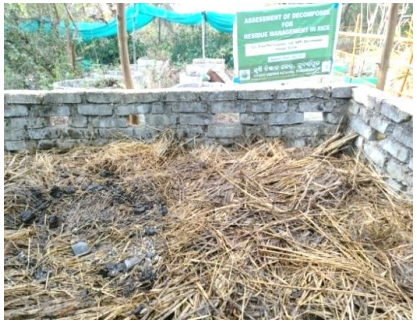
Technology options	**Initial Organic Carbon(%)**	**After one season Organic carbon(%)**	**Decomposition % (2 months of application)**	**Cost of intervention (Rs/ha)**	**Cultivation easiness for subsequent crops (Rating)**

FP	0.43	0.42	-	500	8
TO_1	0.43	0.44	45	3000	4
TO_2	0.43	0.45	60	2000	4

Results:







OFT-3

1	**Title of On Farm Trial**	Assessment of herbicides for weed management in Tomato
2	**Problem diagnosed**	Low yield due to heavy weed infestation
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Manual weeding TO1: Pre emergence application of Pendimethalin (30% EC) 1kg/ha a.i followed by one hand weeding on30 Days after Transplanting TO2: Pre emergence application of Metribuzin (70%WP) 750 g/ha a.i followed by one hand weeding on30 Days after Transplanting
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	ICAR-Directorate of Weed Research
5	**Production system and thematic area**	Rice –vegetable, Weed management

6	**Performance of the Technology with performance indicators**	No. of fruits /plant, % of disease infection
7	**Final recommendation for micro level situation**	Recommended for rice –vegetable cropping system
8	**Constraints identified and feedback for research**	Weeds like *Cyperus rotundus*, *Cyperus difformis* are not controlled
9	**Process of farmers participation and their reaction**	Farmers accepted

Thematic area: Weed management

Problem definition: Low yield due to heavy weed infestation

Technology assessed:

FP: Manual weeding
TO1: Pre emergence application of Pendimethalin (30% EC) 1kg/ha ai followed by one hand weeding on30 Days after Transplanting

TO2: Pre emergence application of Metribuzin (70%WP) 750 g/ha ai followed by one hand weeding on30 Days after Transplanting

Table:

Technology option	**No of weed/m^2**	**No of fruits/plant**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
FP	446.1	31.14	281.14	175380	337368	161988	1.92
TO_1	84.2	39.57	316.28	169280	379536	210256	2.24
TO_2	51.71	44.85	339.42	169780	407304	237524	2.39
Sem	8.2	0.593	0.199				
CD (5%)	25.2	1.826	0.614				

Results:

OFT-4

1	**Title of On Farm Trial**	Assessment of INM practices in Banana
2	**Problem diagnosed**	Low yield due to improper nutrient management
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Application of fertilizer @ 200:100:100 g NPK/plant TO1: Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor, Azospirillum & PSB (incubated in FYM) per plant TO2: Application of gypsum 2 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K in saline sodic soil increased the yield by 51 % over control.
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	Dept. of Fruit science OUAT, 2014-15 and NRC Banana, 2013-14
5	**Production system and thematic area**	Fruit cultivation & INM
6	**Performance of the Technology with performance indicators**	No. of fingers /bunch, bunch weight
7	**Final recommendation for micro level situation**	
8	**Constraints identified and feedback for research**	

9	**Process of farmers participation and their reaction**	

Thematic area: INM

Problem definition: Low yield due to improper nutrient management

Technology assessed: FP: Application of fertilizer @ 200:100:100 g NPK/plant

TO1: Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor, Azospirillum & PSB (incubated in FYM) per plant

TO2: Application of gypsum 2 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K in saline sodic soil increased the yield by 51 % over control.

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Pseudostem height (cm)	Pseudostem girth (cm)					
FP	7	163.1	50.14	Contd.				
TO1	7	180.7	63.28					
TO2	7	196.85	67.14					
Sem								
CD								

Results:

OFT-5

1	**Title of On Farm Trial**	Assessment of panama wilt in Banana
2	**Problem diagnosed**	Low yield due to high infestation of Panama wilt in Banana

3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Spraying of Carbendazim and Dimethoate TO1: Planting of disease free suckers, +apply lime @ 40gm/pit + 250gm Neem cake/pit + 500gm vermi compost + soil drenching of 0.2 % carbendazim 50 WP solution at 2nd, 4th and 6th months after planting + stem injection of carbendazim 50 WP@ 2-3ml/plant (20gm/lit solution) at 3rd, 5th and 7th month after planting TO2: Planting of disease free suckers, + apply lime @ 40gm/pit + 250gm Neem cake/pit + 500gm vermi compost + soil drenching of 0.1 %(Trifloxystrobin 25 WP + Tebuconazole 50 WP) solution at 2nd, 4th and 6th months after planting + stem injection of (Trifloxystrobin 25 WP + Tebuconazole 50 WP) 2-3ml/plant (1gm/lit solution) at 3rd, 5th and 7th month after planting
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	AICRP on fruit, OUAT, 2019, NRCB, Tamilnadu, 2018
5	**Production system and thematic area**	Banana & IDM
6	**Performance of the Technology with performance indicators**	Cost of intervention. Additional income over additional investment Yield (q /ha), B:C ratio
7	**Final recommendation for micro level situation**	
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: IDM

Problem definition: Low yield due to high infestation of Panama wilt in Banana

Technology assessed:

FP: Spraying of Carbendazim and Dimethoate

TO1: Planting of disease free suckers, +apply lime @ 40gm/pit + 250gm Neem cake/pit + 500gm vermi compost + soil drenching of 0.2 % carbendazim 50 WP solution at 2nd, 4th and 6th months after planting + stem injection of carbendazim 50 WP@ 2-3ml/plant (20gm/lit solution) at 3rd, 5th and 7th month after planting
TO2: Planting of disease free suckers, + apply lime @ 40gm/pit + 250gm Neem cake/pit + 500gm vermi compost + soil drenching of 0.1 %(Trifloxystrobin 25 WP + Tebuconazole 50 WP) solution at 2nd, 4th and 6th months after planting + stem injection of (Trifloxystrobin 25 WP + Tebuconazole 50 WP) 2-3ml/plant (1gm/lit solution) at 3rd, 5th and 7th month after planting

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
FP										
TO1										
TO2										
TO3										
Sem										
CD										

Results:

OFT-6

1	**Title of On Farm Trial**	Assessment of management of melon fruit fly in Bitter gourd
2	**Problem diagnosed**	Low yield of bitter gourd due to high infestation of fruit flies, area affected – 2000ha, extent of fruit damage – 35 – 40%
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Spraying of Chloropyriphos / Cypermethrin pesticides TO1: Mixture of cucumber fruit pulp 100gms+100ml cow urine+ 100gms jaggery +0.5lts of water and kept for overnight and diluted in 15L water (Food Bait) to be placed 5 times @ weekly interval from initiation of fruiting installation of Pheromone traps @25/ha with Cue - lure thrice 15 DAS and change of lure at 25 days interval followed by spraying of Spinosad 45 SC@200ml/ha thrice at 15days interval TO2: FB + PT + Foliar spray of Fipronil 5EC@1000ml/ha

4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	RRTTS coastal zone, OUAT, Bhubaneswar, 2022
5	**Production system and thematic area**	Vegetable – vegetable & IPM
6	**Performance of the Technology with performance indicators**	Percentage of fruit infestation, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7	**Final recommendation for micro level situation**	Recommended
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: IPM

Problem definition: Low yield of bitter gourd due to high infestation of fruit flies, area affected – 2000ha, extent of fruit damage – 35 – 40%

Technology assessed:

FP: Spraying of Chloropyriphos / Cypermethrin pesticides

TO1: Mixture of cucumber fruit pulp 100gms+100ml cow urine+ 100gms jaggery +0.5lts of water and kept for overnight and diluted in 15L water (Food Bait) to be placed 5 times @ weekly interval from initiation of fruiting, installation of Pheromone traps @25/ha with Cue - lure thrice 15 DAS and change of lure at 25 days interval followed by spraying of Spinosad 45 SC@200ml/ha thrice at 15days interval

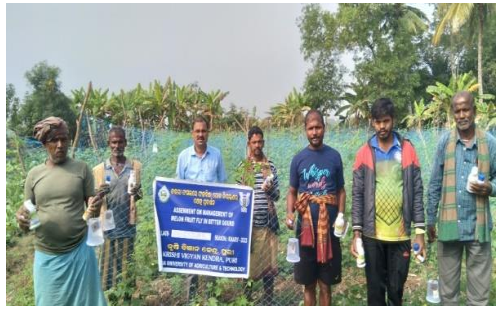
TO2: FB + PT + Foliar spray of Fipronil 5EC@1000ml/ha

Table:

Technology option	No. of trials	Infested fruits/plant (no)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	7	21.14	113.57	161000	283925	122925	1.76
TO1	7	4.71	146.71	164250	366775	202525	2.23
TO2	7	8.57	129.85	163250	324625	161375	1.98

Sem		0.9	0.72				
CD		2.8	2.23				

Results:



OFT-7

1	**Title of On Farm Trial**	Assessment of different Coconut dehusker
2	**Problem diagnosed**	High labour, cost and time involved in dehusking the coconut
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Manual dehusking by billhook (Katuri) TO1: Manual Coconut Dehusker TO2: Power operated Coconut Dehusker
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO2 - Validated by AICRP on FIM, CAET, OUAT, 2022 TO1 - Validated by AICRP on FIM, CAET, OUAT, 2022
5	**Production system and thematic area**	Coconut orchard, Plantation in Pond dyke & Farm Mechanization
6	**Performance of the Technology with performance indicators**	Dehusking capacity(No of nuts/hr), Labour requirement – (MDs/100nuts) , Cost of operation (Rs/nuts), Dehusking capacity (%)
7	**Final recommendation for micro level situation**	Electricity operated Coconut dehusker is very much suitable for coconut based district.
8	**Constraints identified and feedback for research**	No fault observed in the operation of coconut dehusker. Only thing is if capacity can be increased, it would be suitable for coconut mandi operating in the district
9	**Process of farmers participation and their reaction**	Training, Group meeting, method demonstration

Thematic area: Farm Mechanization

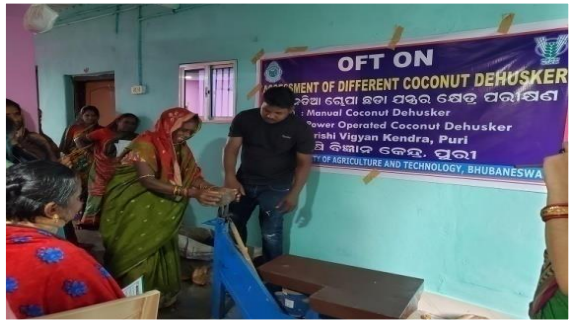
Problem definition: High labour, cost and time involved in dehusking the coconut

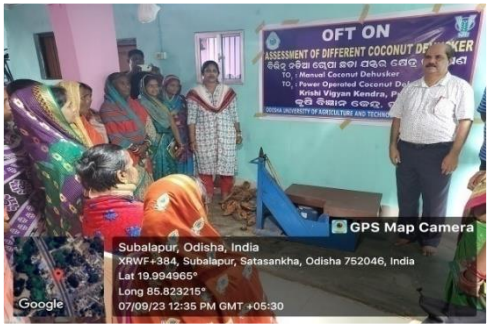
Technology assessed:

FP: Manual dehusking by billhook (Katuri)
TO1: Manual Coconut Dehusker
TO2: Power operated Coconut Dehusker**Table:**

Technology option	No. of trials	Working capacity (nos/h)	Cost of dehusking (Rs./100 nuts)	Time requirement for 100nuts (h)
FP	7	30	195	3.34
TO1	7	120	47	0.8
TO2	7	180	29	0.5

Results:





OFT-8

1	**Title of On Farm Trial**	Assessment of different harvesting and threshing methods on quality of paddy seed
2	**Problem diagnosed**	Lack of sufficient information on post harvest losses occurred in both manual and mechanical procedure in quality seed production. Quality of seed deteriorates due to improper harvesting and threshing methods

3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Manual harvesting and mechanical threshing (Power thresher cum winnower) TO1: Manual harvesting and mechanical threshing (Axial flow thresher) TO2: Combine harvesting with Pneumatic wheel
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TNAU, Kumulpur, 2017
5	**Production system and thematic area**	Paddy, Fallow – Paddy & Farm Mechanization
6	**Performance of the Technology with performance indicators**	Mechanical damage (%) by both physical & chemical method, seed hardness, Seed germination
7	**Final recommendation for micro level situation**	Highest mechanical injury caused by manual harvesting and mechanical threshing. So manual and mechanical harvesting is recommended for harvesting of Rice varieties.
8	**Constraints identified and feedback for research**	-
9	**Process of farmers participation and their reaction**	Training, Group discussion, demonstration

Thematic area: Farm Mechanization

Problem definition: Lack of sufficient information on post harvest losses occurred in both manual and mechanical procedure in quality seed production. Quality of seed deteriorates due to improper harvesting and threshing methods

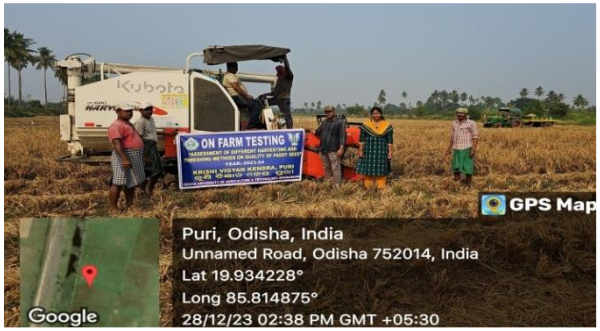
Technology assessed:

FP: Manual harvesting and mechanical threshing (Power thresher cum winnower)
TO1: Manual harvesting and mechanical threshing (Axial flow thresher)
TO2: Combine harvesting with Pneumatic wheel

Table:

Technology option	No. of trials	Mechanical damage (%)		Seed hardness	Germination (%)
		Physical Method	Chemical		
FP	7	5.0	5.0	5.300	95
TO1	7	7.3	9.0	5.120	90
TO2	7	6.3	8.0	5.049	91

Results:



OFT-9

1	**Title of On Farm Trial**	Refinement of growth promoters for maximizing Amur carp / common carp fry yield in nursery tanks during winter
2	**Problem diagnosed**	Less growth rate and poor survival & yield of fries
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Only powdered feed (Rice bran: GNOC ::1:1) TO1: Use of Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed) TO2: Use of commercially available yeast powder (*Saccharomyces cerevisiae*) at a dose of 0.5% of total powdered feed to be served daily TO3: T O_1+T O $_2$ (Combination of both essential trace minerals & Yeast as feed probiotics)
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	TO-1- ICAR-CIFA – 2013 TO-2 – TNAU-2019
5	**Production system and thematic area**	Pond based farming system & Production and management
6	**Performance of the Technology with performance indicators**	Average growth rate, Survival rate, Yield, B:C ratio
7	**Final recommendation for micro level situation**	

8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: Production and management

Problem definition: Less growth rate and poor survival & yield of fries

Technology assessed:

FP: Only powdered feed (Rice bran: GNOC ::1:1)
TO1: Use of Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed)
TO2: Use of commercially available yeast powder (*Saccharomyces cerevisiae*) at a dose of 0.5% of total powdered feed to be served daily
TO3: T O_1+T O_2 (Combination of both essential trace minerals & Yeast as feed probiotics)

Table:

Treatments	**Yield (Lakhs/ha)**	**% change in Yield**	**Yield components**			**Cost of cultivation (Rs/ha)**	**Gross Return (Rs/ha)**	**Net Return (Rs./ha)**	**BC Ratio**
			Survival Rate (%)	**% change in survival**	**DOC to attend avg. fry size (25mm)**				
FP	25.20	-	33.00	-	18	2,12,000/-	5,04,000/-	2,92,000	2.38
T O_1	32.50	28.97	42.40	28.48	14	2,35,000/-	6,50,000/-	4,15,000	2.77
TO_2	27.80	10.32	36.00	9.1	16	2,15,500/-	5,56,000/-	3,40,500	2.58
TO_3	33.70	33.73	44.10	33.64	13	2,38,500/-	6,74,000/-	4,35,500	2.83

Results:

OFT-10

1	**Title of On Farm Trial**	Refinement of efficacy of different probiotics on growth performance of carps
2	**Problem diagnosed**	Low fish yield and more susceptible to diseases due to non use of probiotics
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Feeding with artificial supplementary feed (GNOC and rice bran at 1:1) and no use of probiotics
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	College of Fisheries, OUAT
5	**Production system and thematic area**	Pond based & Disease management
6	**Performance of the Technology with performance indicators**	Growth rate, % of disease incidence, survival rate, pH, alkalinity
7	**Final recommendation for micro level situation**	
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	

Thematic area: Disease management

Problem definition: Low fish yield and more susceptible to diseases due to non use of probiotics

Technology assessed:

FP: Feeding with artificial supplementary feed (GNOC and rice bran at 1:1) and no use of probiotics
TO1: Application of Soil probiotic (Rid all) @ 1 kg/Ac-m water area
TO2: Application of Water Probiotic (Water spell) @ 5 Litre/ Ac-m water area
TO3: T O_1+T O_2 (Combination of both Soil & Water probiotic)

Table:

Technology option	Yield (q/ha)	% change in Yield	Yield components			Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs./ha)	BC Ratio
			Avg. plankton density / 50l pond water	Survival Rate (%)	ABW of fishes harvested(g)				
FP	26.16	-	1.8	59.0	591	1,80,500	3,14,000	1,33,500	1.74
T O_1	30.53	16.70	2.0	60.8	670	1,87,300	3,66,500	1,79,200	1.96
TO_2	34.40	31.50	2.2	64.0	717	1,92,000	4,13,000	2,21,000	2.15
TO_3	38.80	48.32	2.5	68.0	761	1,98,800	4,65,600	2,66,800	2.34

Results:

OFT-11

1	**Title of On Farm Trial**	Refinement of the improved techniques for cultivation of Paddy straw mushroom (*Volvariella volvacea)* using crumpled straw
2	**Problem diagnosed**	Less income due to less yield
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw -5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), unknown age of spawn, 3% of dry substrate weight), pulse powder 3% dry substrate weight, BE-8-10% TO1: Square compact bed size (45 × 45x 45 cm) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight) TO2: Circular compact bed size -(45 cm diameter, 45 cm height) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight)
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore,2012
5	**Production system and thematic area**	Mushroom Production

6	**Performance of the Technology with performance indicators**	Average buttons/bed (number), Average weight/button (g), B.E. (%), Yield/bed (g)
7	**Final recommendation for micro level situation**	Homogenous moisture level and bed temperature between layers lead to more pinheads and buttons in the Circular Bed with an increase in yield of 23.63%.
8	**Constraints identified and feedback for research**	Storage of crumpled straw for commercial cultivation is difficult
9	**Process of farmers participation and their reaction**	Training, Group discussion, demonstration

Thematic area: Mushroom Production

Problem definition: Less income due to less yield

Technology assessed:

FP: Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw -5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), unknown age of spawn, 3% of dry substrate weight), pulse powder 3% dry substrate weight, BE-8-10%

TO1: Square compact bed size (45 × 45x 45 cm) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight)

TO2: Circular compact bed size -(45 cm diameter, 45 cm height) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 3% of dry substrate weight and pulse powder (at 3% dry substrate weight)

Table:

Technology option	Yield (kg/bed)	Increase in %	Biological efficiency (%)	Cost of Cultivation Rs./bed	Gross Income Rs./bed	Net Income Rs./bed	BC Ratio
FP	0.55		11	46	82.50	36.5	1.79
TO_1	0.60	9.09	12	46	90	44	1.95
TO_2	0.68	23.63	13.6	46	102	56	2.21

Results:

Refinement of the improved techniques for cultivation of Paddy straw mushroom (*Volvariella volvacea)* using crumpled straw

T O_1 -: *Square Bed*

TO_2 - *Circular Bed*

OFT-12

1	**Title of On Farm Trial**	Assessment of Arka Mushroom Nutri-Cereal Cookies for enhancing income of SHGs/FPOs.
2	**Problem diagnosed**	Limited value addition and distress selling.
3	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	FP: Preparation of cookies using refined wheat flour TO1: Preparation of Arka Mushroom Nutri-Cereal Cookies- Oyster mushroom (Hypsizygus *ulmarius*) powder in combination with sorghum/jowar Powder TO2:Preparation of Arka Mushroom Nutri-Cereal Cookies- Oyster mushroom (*Hypsizygus ulmarius*) powder in combination with finger millet/ragi
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	IIHR ANNUAL REPORT 2021
5	**Production system and thematic area**	Vegetable- Vegetable & Income generation
6	**Performance of the Technology with performance indicators**	Sensory Parameter, Self-Life (Days)

7	**Final recommendation for micro level situation**	Arka Mushroom Nutri-Cereal Cookies- Oyster mushroom (*Hypsizygusulmarius*) powder in combination with ragi is economical and over ally acceptable than FP
8	**Constraints identified and feedback for research**	-
9	**Process of farmers participation and their reaction**	Training, Group discussion, demonstration

Thematic area: Income generation

Problem definition: Limited value addition and distress selling.

Technology assessed:

FP: Preparation of cookies using refined wheat flour
TO1: Preparation of Arka Mushroom Nutri-Cereal Cookies- Oyster mushroom (Hypsizygus ulmarius) powder in combination with sorghum/jowar Powder
TO2:Preparation of Arka Mushroom Nutri-Cereal Cookies- Oyster mushroom (Hypsizygus ulmarius) powder in combination with finger millet/ragi

Table:

Technology option	Shelf Life (Months)	Cost of Product Rs. /Kg	Gross Income Rs. /Kg	Net Income Rs. /Kg	B:C Ratio
FP	3	270	500	230	1.85
TO_1	3	300	700	400	2.33
TO_2	3	225	600	375	2.66

Results:


Arka Mushroom Nutri-Cereal Cookies for Enhancing Income of SHGs/FPOs

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Rice	Weed Management	**Demonstration on weed management in rice** -Application of Cyhalofop butyl + Penoxulam @ 135g ai/ha at 20 DAT	2	2									10	
2	Maize	Weed management	**Demonstration on weed management in maize** -Post emergence	2	2									10	

			application of Tembotrione 100g/ha + Atrazine 500g/ha at 20 DAS+ one hand weeding at 40DAS												

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	*Kharif*, 2023	Rain fed Low & medium land									
Maize	*Rabi*, 2023	Rain fed up land									

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

Crop	Yield (q/ha)		% increase in yield	Other Parameter								Gross cost (Rs)		Gross Return (Rs)		Net Return (Rs)		B C Ratio	
	Demo	Local		Total weed count/m^2 (No.)		EBT/m^2 (No.)		WCE (%)		WI		Demo	Local	Demo	Local	Demo	Local	Demo	Local
				Demo	Local	Demo	Local	Demo	Local	Demo	Local								
Rice	43.3	42.1	2.85			320	308	79	0	0	2.8	53000	53000	94524	91904	41524	38904	1.78	1.73
Maize	68.4	61.3	11.58					81	0	0	10.4	61744	67153	134200	120270	72456	53117	2.03	1.71

Oilseeds:
Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Weed Management	**Demonstration on weed management in groundnut** - Pre-emergence application of pendimethalin 30%+imazethyper 2%@1.0 kg/ha ready mix fb post emergence application of quizalfop-p-ethyl @50g/ha at 20 DAS	10	2	20.7	18.1	14.36	44500	103500	59000	2.33	46000	90500	44500	1.97
Groundnut	Varietal Substitution	**Demonstration on groundnut HYV "**Kalinga groundnut-101"- Cultivation of groundnut HYV "Kadiri Lepakshi"	10	1	21.6	18.2	18.68	45000	108000	63000	2.40	43000	91000	48000	2.12

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Irrigation water management	Demonstration of Sprinkler Irrigation in Groundnut	05	1	20.7	18.2	13.73	38500	72800	34300	1.89	41500	82800	41300	1.99

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

Pulses

Frontline demonstration on pulse crops

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

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Chilli	ICM	**Demonstration on application of PGR in chilli-** Spray of Triacontanol @ 1.25ml/liter at 40, 60 and 80th days of planting.	10	1	139.8	121.2	15.34	132.9	109.8	156400	419400	263000	2.6	154000	363600	209600	2.3
Okra	Weed management	**Demonstration on weed management in okra -** Pendimethalin @750 g a.i /ha.as pre-emergence followed by Quizalofop ethyl	10	1	123.5	104.8	17.84	31.4 Weeds/m^2	446.1 Weeds/m^2	163384	370500	207116	2.26	167846	314400	146554	1.87

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tomato	ICM	**Demonstration on application of PGR in tomato-** Spray of PGRs comprising of NAA@15ppm + Salicyclic Acid	10	1	343.2	294.9	16.37	32.5	43.1	175848	411840	235992	2.34	175380	353880	178500	2.01

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Bitter gourd	INM	**Demonstration on INM in bitter gourd-** STBF + vermicompost (2.5 ton/ha) + Azotobator : Azospirillum: PSB@1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days)	10	1	148.3	124.8	18.83	45.8	26.5	176694	370750	194056	2.1	171694	312600	140906	1.81

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Coconut	IPM	**Demonstration on integrated management of spiraling whitefly in coconut-** Wrapping of yellow sticky polythene around the trunk at 1.5mtr above the ground level + spraying of 1% starch solution + Alternate spraying of Neem oil 300ppm @ 5ml/ltr of water and Spiromesifen 240 SC @ 1ml/ltr of water at 15 days interval	10	1				Contd.									

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Betelvine	IDM	**Demonstration of Integrated Management of vine rot in betel vine-** Soil drenching with Bordeaux mixture @ 1% and spraying Trifloxystrobin 25 WP + Tebuconazole 50 WP) @ 1ml/ltr +Streptocycline @400ppm at the time of disease appearance twice at 15 days interval	10	0.4				Contd.									

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tulsi	Varietal substitution	**Demonstration of Tulsi Var. CIM-Ayu for income generation-** Cultivation of Tulsi Var.CIM-Ayu	10	0.4	86 q herbage/ year/ha	58 q herbage/ year/ha	48	-	-	48750	86000	37250	1.76	40500	58000	17500	1.43
Watermelon	Water conservation	**Demonstration of drip irrigation with mulching in Watermelon –** Use of 50 micron mulch film with inline drip system in watermelon	02	0.08	292	236	23.72	Water consumption (mm) – 512 Labour cost (Rs/ha) – 1000/-	Water consumption (mm) – 800 Labour cost (Rs/ha) – 8500/-	89500	175200	85700	1.95	82000	141600	59600	1.72

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Income generation	**Demon. Of Quail farming for income generation** - Rearing of Quail under intensive system	10	10	Avg. Weight of Bird-220g	-	-	Mortality %- 0	-	4800/100 Birds	7600/100 Birds	2800/100 Birds	1.58	-	-	-	-
Rabbitory																	
Pigerry																	
Sheep & goat																	
Duckery																	
Others																	
Total																	

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

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Biofloc culture	**Demonstration of mixed carp stunted fingerlings production in biofloc culture system-** Stocking of 10,000 nos. of mixed carp advance frys or early fingerlings in a biofloc tank of 10 ton capacity with a production potential of 4,000 nos. (200kg) of bigger size stunted fingerlings within 3 months of culture period	5	5	4.15 q/tank	1.87 q	315	ABW during harvesting =26.5g	110.0	34000	62000	28000	1.82	28800	45300	16,500	1.57

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Species diversification	**Demonstration of Genetically Improved (GI) catlain composite carp culture-** Incorporation of GI-catla in composite carp culture with species ratio :- GI-Catla: Rohu: Mrigal::3:4:3 @ 10000 nos/ha.	20	20	38.8	33.0	17.5	ABW of catla during harvesting =1100g	900 g	2,42,500	4,78,000	2,35,500	1.97	2,18,600	4,00,000	1,81,400	1.83

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	IFS	**Demonstration of strengthening of pond based IFS** - Stocking of yearlings of IMC @ 5000 nos/ha, planting of papaya, banana and drumstick on pond dykes + Poultry rearing	10	10													

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Yield		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Fish	Disease management	**Demonstration on use of Ivermectin in controlling Argulosis** - Application of Paracure I. V. (Ivermectin 2 % w/w) @ 250 gm/ 1 ton traditional fish feed fed @ 5-3% of body weight daily for 4 - 5 days to control Argulosis	5	5	32.7	22.86		Disease incidence (%)=1	12	1,96,000	3,92,300	1,96,300	2.00	1,70,300	2,62,200	91,900	1.53

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy straw Mushroom	**Demonstration on Packaging and storage method for shelf-life enhancement and transportation of paddy straw mushroom -** Packaging and storage method for shelf-life enhancement and transportation of paddy straw mushroom	5	5	% Veil opening (after 2 days) =12	% Veil opening (after 2 days) =65	-	Shelf Life (Days) =3	Shelf Life (Days) =1	438	960	422	2.1	480	750	270	1.5

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Milky mushroom	**Demonstration on Milky mushroom cultivation-** Milky mushroom cultivation with casing material Vermi compost on the top of the bed	10	10	Yield= 900g/bed	PSM-800g/bed	-	Bio efficiency (%) = 60	Bio efficiency (%) =8	80	40	40	2.0	96	65	31	1.47
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl. specify)																
Total																

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

Women empowerment

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

Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Field observation (output/man hr)		% change in major parameter	Labor requirement in digging 200 holes		Cost of digging holes (Rs/200 holes)		Time utilized (h) in digging 200 holes	
					Demonstration	Check		RP	FP	RP	FP	RP	FP
Self-Propelled hole digger	Banana	**Demonstration of Self-Propelled hole digger for Banana plantation -** Self-propelled Digger having auger size varies from 1' -3'. Field capacity – 30 -40 nos/hr	10	2	25 pits/h	4 pits/h	525	1	8	800	2400	8	48

Tractor drawn 9-row multi crop Seed cum fertilizer drill	Groundnut	**Demonstration of Tractor drawn 9-row multi crop Seed cum fertilizer drill in Groundnut**	10	2	Field capacity – 0.4ha/h	Field capacity – 0.03ha/h	-	Labour requirement (MDs/ha) -0.4	Labour requirement (MDs/ha) -5.2	Cost of operation (Rs/ha)- 13875/-	Cost of operation (Rs/ha)- 7500-	No. of missing plant/meter length - nil	No. of missing plant/meter length – (1-2)

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

Demonstration details on crop hybrids

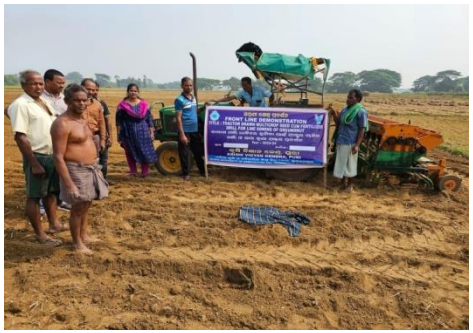
Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs/ha)			
				Demo	Local check	% change	Gross Cost (Rs)	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										

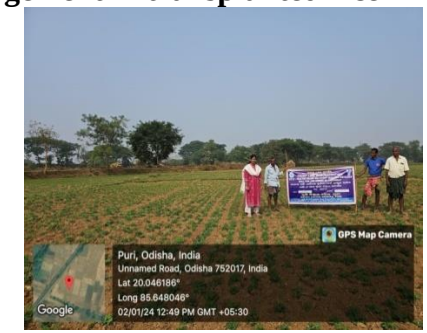
Total										
Pulses										
Green gram										
Black gram										
Bengal gram										
Red gram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Good quality photographs of FLDs

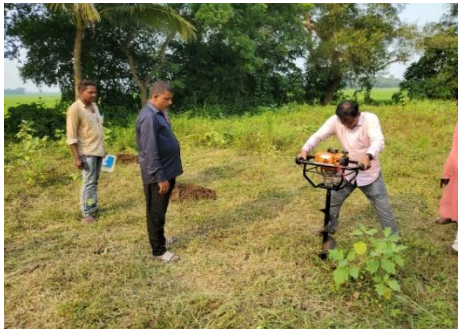


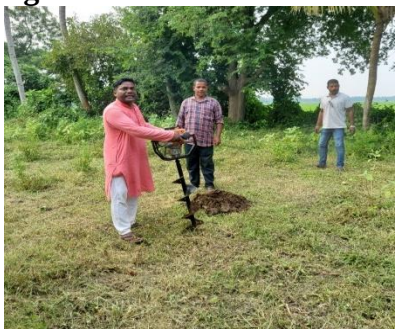
Demonstration on weed management in transplanted rice



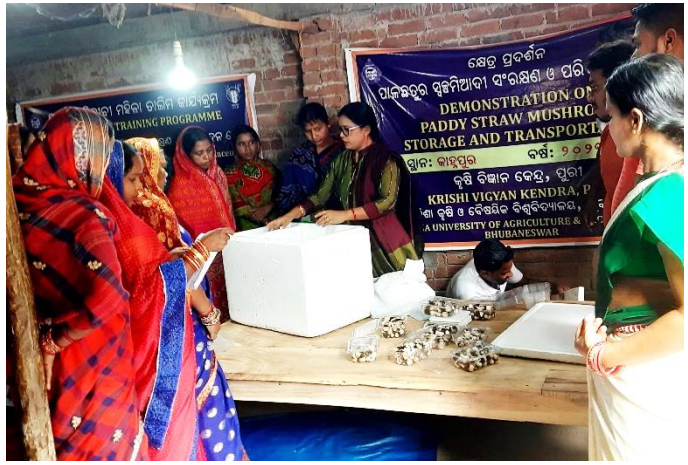



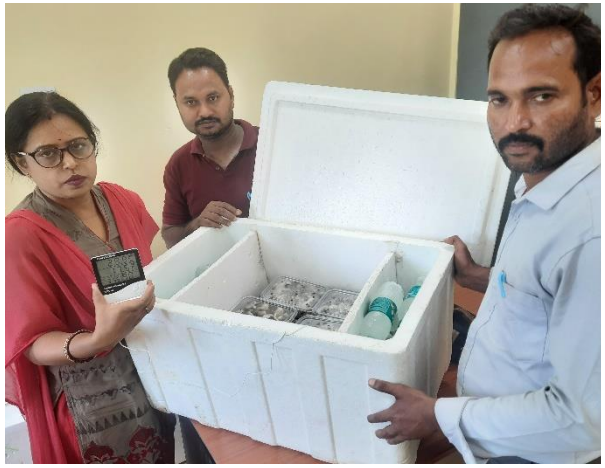
Demonstration of tractor drawn 9-row multi crop seed cum fertilizer drill for sowing of groundnut

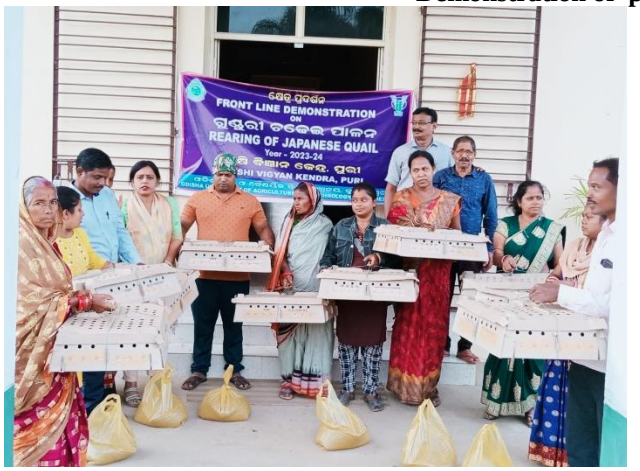


Demonstration of Post Hole digger in banana plantation





Demonstration of packaging and storage method for shelf life enhancement and transportation



Demonstration on Quail birds for income generation

Demonstration on Milky mushroom cultivation

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Paddy straw Mushroom	**M**ushroom growers agreed on the performance for storage in the local sale point and got a higher net return of Rs.35/kg than FP but for transportation it is not profitable
2	Milky Mushroom	The requirement of straw in less quantity for the cultivation of milky mushrooms than paddy straw mushrooms reduces the cost of cultivation but marketing is a problem.
3	Quail farming	Farmers are overwhelmed by selling Quail with a profit of Rs.28/ per chick in 45 days
4	Tulsi	Rs.19,750/ extra income by cultivating CIM-Ayu variety Tulsi. It is more acceptable for it's market value and aroma.

Extension and Training activities under FLD

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

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2023 and Rabi 2022-23:

A. Technical Parameters:

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

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstra	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio

	ted								

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)

D. Oilseed Farmers' perception of the intervention demonstrated

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

E. Specific Characteristics of Technology and Performance

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

F. Extension activities under FLD conducted:

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

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

H. Farmers' training photographs

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

J. Details of budget utilization

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

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

A) Farmers and farm women (on campus)

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management													
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													
Total (a)													
b) Fruits													
Training and Pruning													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
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													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	20	0	20	0	0	0	0	0	0	20	0	20
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	16	4	20	0	0	0	0	0	0	16	4	20
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	4	48	28	76	4	0	4	0	0	0	52	28	80
Planting material production													
Vermiculture													
Mushroom Spawn Production	1	6	14	20	0	0	0	0	0	0	6	14	20
Beekeeping	1	0	18	18	0	2	2	0	0	0	0	20	20
Sericulture													
Repair and maintenance of farm machinery and implements	1	29	1	30	1	0	1	0	0	0	29	1	30
Custom hiring of farm machinery and implements	1	8	12	20	0	0	0	0	0	0	8	12	20
Value addition	1	0	17	17	0	3	3	0	0	0	0	20	20
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	1	16	0	16	4	0	4	0	0	0	20	0	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	2	28	11	39	1	0	1	0	0	0	29	11	40
Others													
Total	**14**	**171**	**105**	**276**	**10**	**5**	**15**	**0**	**0**	**0**	**180**	**110**	**290**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Chemical weed management	1	16	0	16	4	0	4	0	0	0	20	0	20
Integrated Pest Management													
Integrated Pest & disease Management	2	34	5	39	1	0	1	0	0	0	39	1	40
Integrated Nutrient management													
Soil Health Management	1	17	2	19	1	0	1	0	0	0	18	2	20
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Farm Mechanization	2	35	4	39	1	0	1	0	0	0	36	4	40
Gender mainstreaming through SHGs													
Formation and Management of SHGs	1	2	11	13	0	3	3	0	4	4	2	18	20
Women and Child care	1	2	15	17	0	2	2	0	1	1	2	18	20
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													
Physiological disorder of vegetables	1	14	5	20	1	0	1	0	0	0	15	5	20
Biofloc fish farming	1	16	4	20	0	0	0	0	0	0	16	4	20
Brackish water aqua cultutre	1	20	0	20	0	0	0	0	0	0	20	0	20
Total	**11**	**156**	**60**	**203**	**8**	**5**	**13**	**0**	**5**	**5**	**173**	**67**	**220**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	43	18	61	16	0	16	13	0	13	72	18	90
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation	2	57	2	59	1	0	1	0	0	0	58	2	60
Integrated nutrient Management	6	116	36	152	19	0	19	9	0	9	144	36	180
Production of organic inputs													
Others													
Total	**11**	**216**	**56**	**272**	**36**	**0**	**36**	**22**	**0**	**22**	**274**	**56**	**330**
II. Horticulture													
a) Vegetable Crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of low volume and high value crops													
Off season vegetables													
Nursery raising	1	28	1	29	1	0	1	0	0	0	29	1	30
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Vegetable cultivation	10	151	103	254	30	10	40	0	0	0	181	113	294
Total (a)	**11**	**179**	**104**	**283**	**31**	**10**	**41**	**0**	**0**	**0**	**210**	**114**	**324**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**11**	**179**	**104**	**283**	**31**	**10**	**41**	**0**	**0**	**0**	**210**	**114**	**324**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	30	30	0	0	0	0	0	0	0	30	30
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	1	0	22	22	0	8	8	0	0	0	0	30	30
Value addition	3	0	77	77	0	21	21	0	2	2	0	90	90
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Income Generation	7	29	126	155	0	55	55	0	0	0	29	181	210
Total	**12**	**29**	**255**	**284**	**0**	**84**	**84**	**0**	**2**	**2**	**29**	**341**	**370**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems	3	81	5	86	4	0	4	0	0	0	85	5	90
Use of Plastics in farming practices													
Production & use of small tools and implements	1	7	12	19	1	10	11	0	0	0	8	22	30
Operation, Repair and maintenance of farm machinery and implements	7	84	112	196	17	0	17	0	0	0	101	112	213
Small scale processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post-Harvest Technology													
Mat type nursery raising	1	27	0	27	3	0	3	0	0	0	30	0	30
Total	**12**	**199**	**129**	**328**	**25**	**10**	**35**	**0**	**0**	**0**	**224**	**139**	**363**
VII. Plant Protection													
Integrated Pest Management	8	178	13	191	28	0	28	21	0	21	227	13	240
Integrated Disease Management	4	69	45	114	6	0	6	0	0	0	75	45	120
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**12**	**247**	**58**	**305**	**34**	**0**	**34**	**21**	**0**	**21**	**302**	**58**	**360**
VIII. Fisheries													
Integrated fish farming	1	30	0	30	0	0	0	0	0	0	30	0	30
Carp breeding and hatchery management	1	18	1	19	5	0	5	6	0	6	29	1	30
Carp fry and fingerling rearing													
Composite fish culture	3	52	34	86	4	0	4	0	0	0	56	34	90
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Fish farming	6	103	56	159	15	0	15	6	0	6	124	56	180
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Bio-floc fish farming	1	20	0	20	5	0	5	5	0	5	30	0	30
Pond Management	1	5	17	22	6	0	6	2	0	2	13	17	30
Total	**13**	**228**	**108**	**336**	**35**	**0**	**35**	**19**	**0**	**19**	**282**	**108**	**390**
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	**71**	**1098**	**710**	**1808**	**161**	**104**	**265**	**62**	**2**	**64**	**1321**	**816**	**2137**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

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

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	43	18	61	16	0	16	13	0	13	72	18	90
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation	2	57	2	59	1	0	1	0	0	0	58	2	60
Integrated nutrient Management	6	116	36	152	19	0	19	9	0	9	144	36	180
Production of organic inputs													
Others													
Total	**11**	**216**	**56**	**272**	**36**	**0**	**36**	**22**	**0**	**22**	**274**	**56**	**330**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables													
Nursery raising	1	28	1	29	1	0	1	0	0	0	29	1	30
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Vegetable cultivation	10	151	103	254	30	10	40	0	0	0	181	113	294
Total (a)	**11**	**179**	**104**	**283**	**31**	**10**	**41**	**0**	**0**	**0**	**210**	**114**	**324**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)	**11**	**179**	**104**	**283**	**31**	**10**	**41**	**0**	**0**	**0**	**210**	**114**	**324**
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	30	30	0	0	0	0	0	0	0	30	30
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	1	0	22	22	0	8	8	0	0	0	0	30	30
Value addition	3	0	77	77	0	21	21	0	2	2	0	90	90
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Income Generation	7	29	126	155	0	55	55	0	0	0	29	181	210
Total	**12**	**29**	**255**	**284**	**0**	**84**	**84**	**0**	**2**	**2**	**29**	**341**	**370**
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems	3	81	5	86	4	0	4	0	0	0	85	5	90
Use of Plastics in farming practices													
Production & use of small tools and implements	1	7	12	19	1	10	11	0	0	0	8	22	30
Operation, Repair and maintenance of farm machinery and implements	7	84	112	196	17	0	17	0	0	0	101	112	213
Small scale processing and value addition													
Post-Harvest Technology													
Mat type nursery raising	1	27	0	27	3	0	3	0	0	0	30	0	30
Total	**12**	**199**	**129**	**328**	**25**	**10**	**35**	**0**	**0**	**0**	**224**	**139**	**363**
VII. Plant Protection													
Integrated Pest Management	8	178	13	191	28	0	28	21	0	21	227	13	240
Integrated Disease Management	4	69	45	114	6	0	6	0	0	0	75	45	120
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**12**	**247**	**58**	**305**	**34**	**0**	**34**	**21**	**0**	**21**	**302**	**58**	**360**
VIII. Fisheries													
Integrated fish farming	1	30	0	30	0	0	0	0	0	0	30	0	30
Carp breeding and hatchery management	1	18	1	19	5	0	5	6	0	6	29	1	30
Carp fry and fingerling rearing													
Composite fish culture	3	52	34	86	4	0	4	0	0	0	56	34	90
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Fish farming	6	103	56	159	15	0	15	6	0	6	124	56	180
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Bio-floc fish farming	1	20	0	20	5	0	5	5	0	5	30	0	30
Pond Management	1	5	17	22	6	0	6	2	0	2	13	17	30
Total	**13**	**228**	**108**	**336**	**35**	**0**	**35**	**19**	**0**	**19**	**282**	**108**	**390**
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
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	**71**	**1098**	**710**	**1808**	**161**	**104**	**265**	**62**	**2**	**64**	**1321**	**816**	**2137**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	20	0	20	0	0	0	0	0	0	20	0	20
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	16	4	20	0	0	0	0	0	0	16	4	20
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	4	48	28	76	4	0	4	0	0	0	52	28	80
Planting material production													
Vermiculture													
Mushroom Spawn Production	1	6	14	20	0	0	0	0	0	0	6	14	20
Beekeeping	1	0	18	18	0	2	2	0	0	0	0	20	20
Sericulture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Repair and maintenance of farm machinery and implements	1	29	1	30	0	0	0	0	0	0	30	0	30
Custom hiring of farm machinery and implements	1	8	12	20	0	0	0	0	0	0	8	12	20
Value addition	1	0	17	17	0	3	3	0	0	0	0	20	20
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	1	16	0	16	4	0	4	0	0	0	20	0	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	2	28	11	39	1	0	1	0	0	0	29	11	40
Others													
Total	**14**	**171**	**105**	**276**	**9**	**5**	**14**	**0**	**0**	**0**	**180**	**110**	**290**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Chemical weed management	1	16	0	16	4	0	4	0	0	0	20	0	20
Integrated Pest Management													
Integrated Pest & disease Management	2	34	5	39	1	0	1	0	0	0	35	5	40
Integrated Nutrient management													
Soil Health Management	1	17	2	19	1	0	1	0	0	0	18	2	20
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Farm Mechanization	2	35	4	39	1	0	1	0	0	0	36	4	40
Gender mainstreaming through SHGs													
Formation and Management of SHGs	1	2	11	13	0	3	3	0	4	4	2	18	20
Women and Child care	1	2	15	17	0	2	2	0	1	1	2	18	20
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													
Physiological disorder of vegetables	1	0	19	19	1	0	1	0	0	0	1	19	20
Biofloc fish farming	1	16	4	20	0	0	0	0	0	0	16	4	20
Brackish water aqua cultutre	1	20	0	20	0	0	0	0	0	0	20	0	20
Total	**11**	**142**	**60**	**202**	**8**	**5**	**13**	**0**	**5**	**5**	**150**	**70**	**220**

Please furnish the details of training programmes as Annexure in the proforma given below – *Annexxure –I* attached separately

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mush room	Income Generation	Mushroom Spawn Production	05	03	07	10	-	01	01	02

*training title should specify the major technology /skill transferred

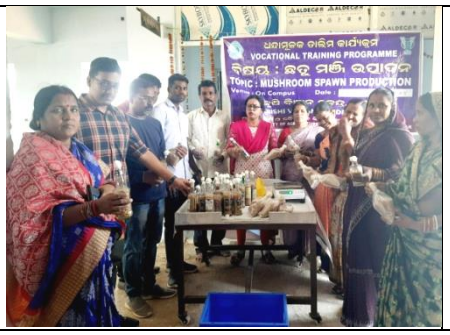
b) Details of participation

Thematic Area	No. of Courses	No. of Participants			Grand Total
		Other	SC	ST	

		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation	01	03	07	10	01	0	01	0	0	0	03	07	10
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying													

etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

Good quality photographs of training activity:

Vocational Training on Mushroom Spawn Production

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of participants	Sponsoring Agency
					PF/RY/EF			
1	Scientific Beekeeping	Bee keeping	January February March	07	PF/RY	03	70	National Bee Board & Honey Mission

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of													

crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													

Bee Keeping	03	34	28	70	1	7	8	0	0	0	35	35	70
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

Good quality photographs of training activity:

Practical on Bee Box management

Hands-on training on Scientific Bee Keeping

Exposure Visit

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
KisanMela	02	92	282	2	47	12	14	26	104	296	400
Exhibition	02	78	306	384	38	6	10	16	84	316	400
Method Demonstrations	24	280	200	480	22	4	6	10	284	206	490
Group meetings	01	26	04	30		01	0	01	27	0	31
Lectures delivered as resource persons	45	760	1490	2250	39	14	22	36	774	1512	2286
Scientific visit to farmers field	312	558	938	1496	27	28	35	63	586	973	1559
Diagnostic visits	90	168	240	408	29	8	11	19	176	251	427
Exposure visits	06	68	132	200	34				68	132	200
Animal Health Camp	01	84	16	104	23	04	0	04	88	16	104
Farm Science Club Conveners meet	02	40		40	12	03	0	03	43	0	43
Self Help Group Conveners meetings	04	0	80	80	26	0	14	14	0	94	94
Mahila Mandals Conveners meetings	02	0	30	30	11	0	02	02	0	32	32
Celebration of important days (World Food Day, World Soil Day)	02	22	58	80	48	11	5	16	33	63	96
Swatchta Hi Sewa	02	28	46	74	36	02	06	05	30	52	82
Mahila Kisan Divas	01	0	40	40	14	0	04	04	0	44	44
Any Other (Millet Recipe Contest)	01	06	101	107	38	02	12	14	08	113	121
Total	**497**	**2210**	**3963**	**5805**	**444**	**95**	**141**	**233**	**2305**	**4100**	**6409**

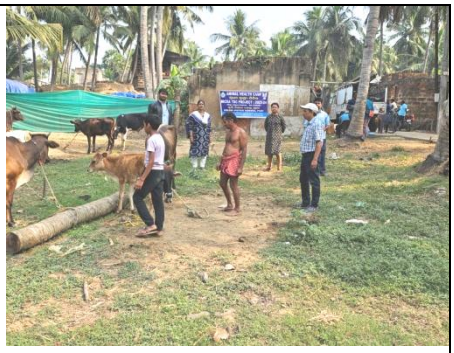
B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	18
Radio talks	14
TV talks	04
Popular articles	03
Extension Literature	06
Other, if any	

Good quality photographs of Extension activity:

Mahila Kisan Diwas

World Food Day



Animal Health Camp

Exposure Visit

Millet Recipe Contest

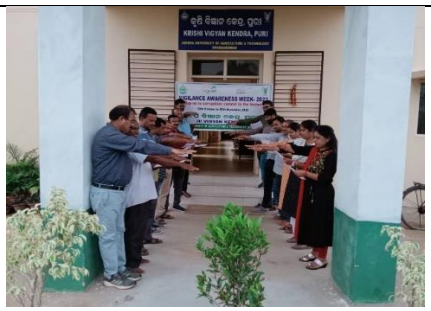
Exhibition

Diagnostic Field Visit to Pest affected area with Line Dept. Officials

District Level Exhibition on Fish & Animal Husbandary at Saradhabali, Puri

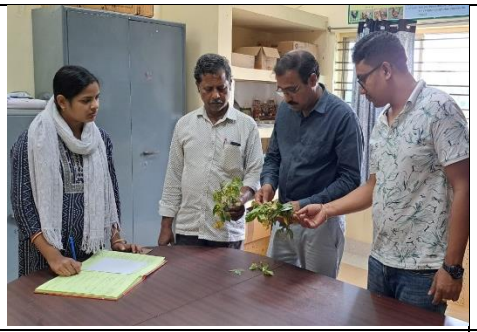
District level exhibition on farm machineries at Saradhabali, Puri

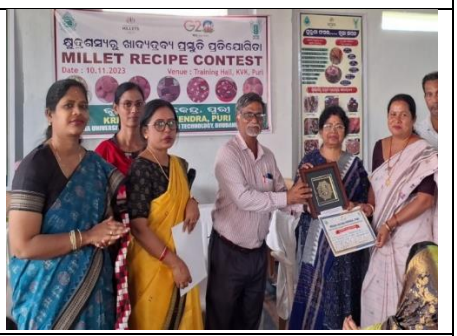
Celebration of World Soil Day in collaboration with Line Dept. at Sanskruti Bhawan, Puri



Celebration of Vigilance Awareness Week

Swachhata Programme





Exposure visit of Farmers of Puri District to Agri-Edu Fair, at OUAT

Diagnosis of Disease & Insects of Plants in PHC

Millet Recipe Contest

		
Vikashit Bharat Sankalp Yatra	**Exposure visit on Scientific on Bee Keeping**	**Exposure visit from South Bastar, Dantewada, Chhatisgarh**

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	Pooja	216.0	UP								
	Kalachampa	215.15	UP								
Grand Total		**431.15**									

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower	Fuziyama	3650	9125								
Brocoli	Sisira	840	2100								

Cabbage											
Tomato	Arka Rakshak	15710	20000								
Brinjal	JK8031,8035	21212	50490								
Chilli	Kalika, Shyama	6570	18095								
Capsicum	Indra	520	1300								
Onion	NHO920	40000	4000								
Others											
Fruits											
Mango											
Guava											
Lime											
Papaya	Vinayak, Sinta	105	2475								
Drumstick	ODC	225	3375								
Pineapple	Queen	470	4250								
Banana											
Others											
Ornamental plants											
Marigold	BM-2, Seracola	12015	24030								
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl. specify											
Total		**101317**	**139240**								

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Mushroom	322.8	32802								
Mushroom Spawn	210nos.	2940								
Total		**35742**								

Good quality photographs of bio-products:

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											
Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings		508800	328020								
Spawn											
Others (Pl. specify)											
Grand Total											

Good quality photographs of livestock and fisheries:

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 2023						
Rabi 2021-22						
Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

iii) Financial Progress

Fund received (2020-21, 2021-22, 2022-23 and 2023-24)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2020-21				
2021-22				
2022-23				
2023-24				

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
Booklet	Rutu Anujayee Chatu Chasa	Dr. S. Acharya, Dr. S.N.Mishra	500	
Booklet	Mahumachhi Palana O Dala Uptadana	Dr. S. Acharya, Dr. C. Satapathy,Dr. S.N.Mishra	500	
Booklet	Agri-preneurs of ARYA: Our Pride	Dr. S. Acharya, Dr. A. P. Nayak, Dr. S.N.Mishra	500	
Leaflet	Paribartita Jalabayu paripekhire Dhana Phasalare Ghasa	Dr. S.Pattanayak, Dr. S.N.Mishra, Dr. D.Paramjita, Dr. B.Giri	500	

	Parichalana			
Leaflet	Hastachalita Atha Dhadia Gaja Dhana Buna Jantra ra Parichalana	Dr. D. Paramjita, Dr. S.N.Mishra, Dr. S.Pattanayak	500	
Leaflet	Natural Farming	Dr. B.Giri, Dr. S.Pattanayak, Dr. S.N.Mishra	500	
Newsletter	Nilachal Krushi Barta	Dr. S.N.Mishra,Dr. A. P. Nayak, Dr. S. Acharya, Dr. D. Paramjita, Dr. B.Giri	500	
TOTAL			**3500**	

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

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

Sl. No.	**Name of programme**	**Name of course**	**Name of KVK personnel and designation**	**Date and Duration**	**Organized by**
1.	Refresher Training	Entrepreneurship development in agriculture & allied sector	Dr. Dipsika Paramjita, Scientist (Ag. Engg.)	27-28, March, 2024	DEE, OUAT
2.	Refresher Training	Training on women agripreneurship	Dr. S. Acharya, Scientist (Home Sc.)	26.3.24-27.3.24 2 days	Community Science college, OUAT, Bhubaneswar
3.	Refresher Training	Training on "Recent Advances in Mushroom Production Technology"	Dr. S. Acharya, Scientist (Home Sc.)	10.7.23-11.7.23 2 days	DEE, CTMRT Bhubaneswar & Halt
4.	Refresher Training	Training on "Advanced technologies in APICULTURE"	Dr. S. Acharya, Scientist (Home Sc.)	26.7.23-27.7.23 2 days	OUAT Bhubaneswar
5.	Refresher Training	Training on upscaling of Natural Farming	Dr. Sarthak Pattanaik, Scientist (Agronomy)	18.03.24 -22.03.24 5days	OUAT, Bhubaneswar
6.	Refresher Training	Training on Climatie Resilient Practices on Horticultural Crops & Tree Plantation	Dr. Bishnupada Giri, Scientist (Horticulture)	06.03.24-07.03.24	OUAT, Bhubaneswar
7.	Refresher Training	Training on Recent advances in Agronomy	Dr. Sarthak Pattanaik, Scientist (Agronomy)	12.02.24-13.02.24	OUAT, Bhubaneswar
8	Refresher Training	Training on Big Data Analysis	Dr. Gopal Krushna Ojha, Prog. Asst.(Computer)	16.02.24–17.02.24	OUAT, Bhubaneswar

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

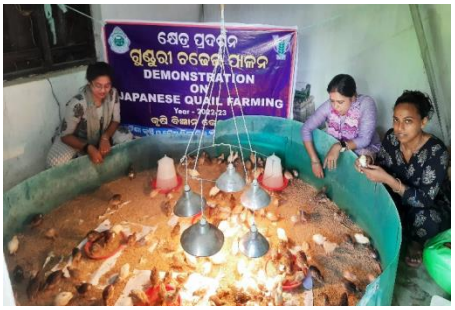
Success Story-1: **Women entrepreneur get the sweet taste of success with beekeeping**

Name of farmer	Miss Seema Mishra

Address	Village- Radio, Biraharekrishnapur, Block-Puri Sadar,Dist-Puri,State-Odisha
Contact details (Phone, mobile, email Id)	9178503585
Landholding (in ha.)	2 ha
Name and description of the farm/ enterprise	Miss. Seema Mishra is a leading dynamic women entrepreneur, motivational speaker and youth icon. The 35 years old young lady is an MBA graduate from Delhi University. She left her corporate job and single handedly fully dedicated towards agriculture with family responsibilities. Lack of sufficient resources, technology and technical support will take less interest to choose agriculture as a career path. To bridge the gap, she took this as a challenge. She started integrated farming model at her parental land. Her family consists of 5 members with 2 earning members. Though she depends entirely on farming as their main livelihood, she has mentioned that her living standard has been improved since practicing beekeeping as it gives a sustainable income.
Economic impact	Miss Seema used to get annual income of Rs. 344840/- from Dairy, vegetables, fruits & fish etc. She faced problems like high cost in feed of cows, disease & pest in coconut, banana etc. With involvement in KVK interventions like azolla cultivation for dairy & poultry feed, introduction of Bio floc & Quail unit with marketing linkage etc. With the adoption of scientific beekeeping under ARYA Project, she generated an additional income of Rs.64,000/-/annum in 2nd year of cultivation. She is getting an annual income of Rs. 592560/-. In addition, there is cost saving of Rs. 12000/- in the production of livestock products
Social impact	As a result of her improvement, four persons from their community also started bee-keeping in a smaller scale for additional income. She has also encouraged and motivated fellow farmers to adopt scientific beekeeping practices and management rather than traditional one. Her main focus strengthens NARISAKTI in agriculture field. Many students coming for their internships, farmers, youths those have interest in agriculture.
Environmental impact	She has emphasized on organic vegetable cultivation and

	developed agro ecotourism under the guidance of KVK scientists.
Horizontal/ Vertical spread	She also encourages the farm women in the surrounding villages to adopt new and innovative methods of farming with the help of KVK Scientists and other experts.

Good quality photographs



Quail Unit

Awarded in IARI programme organized by KVK, PURI as women entrepreneur

Skill Training on Bee Box Management

Success Story-2

Name of farmer	Bichitra Pradhan
Address	S/o – Pitabasa Pradhan, Village- Arol, Block-Puri sadar, Dist.-Puri
Contact details (Phone, mobile, email Id)	6370684118
Landholding (in ha.)	2.8 ha
Name and description of the farm/ enterprise	Bichitra Pradhan, S/o- Pitabasa Pradhan was unemployed after completion of his Master's degree in journalism and got involved in various agricultural activities. He has a land-holding of 2.8 ha and blessed with a small family of 3 nos. of members dependent upon agriculture as it is the only option to rely upon for their livelihood. Then during field visit to his village he came in contact with KVK scientists and knew all about KVK activities. During outbreak of pandemic Covid-19, he faced lots of problems in marketing of poultry birds and procurement of feed and medicines for them. He decided to establish a 'Poultry inputs shop' of his own. During the year, 2021-22, he established an all in one poultry inputs shop namely:- 'Pradhan broilers' at Medical square, Chandanpur. Now his younger brother Mr. Sachitra Pradhan is looking after this shop. He extended his existing poultry unit capacity to 6000 birds with 3000 broilers and 3000 colour desi birds. He is now supplying day-old chicks as well as brooded chicks to nearby interested farmers on demand and supply basis. He is now doing horticultural crops like brinjal, chilli and

	mushroom in the rest of his paternal land.
Economic impact	During outbreak of pandemic Covid-19, he faced lots of problems in marketing of poultry birds and procurement of feed and medicines for them. He decided to establish a 'Poultry inputs shop' of his own. During the year, 2021-22, he established an all in one poultry inputs shop namely:- 'Pradhan broilers' at Medical square, Chandanpur. Now his younger brother Mr. Sachitra Pradhan is looking after this shop. He extended his existing poultry unit capacity to 6000 birds with 3000 broilers and 3000 colour desi birds. He is now supplying day-old chicks as well as brooded chicks to nearby interested farmers on demand and supply basis. He is now doing horticultural crops like brinjal, chilli and mushroom in the rest of his paternal land.He is presently earning an average income of Rs. 6, 82,500/-per annum. By the process, he could able to generate 235 man days of labour for local youths.
Social impact	Mr. Pradhan's success has motivated the nearby farmers to adopt poultry as an additional enterprise with their existing farming activities for more profit. Moreover youths of their locality are contacting KVK about the availability of Kadaknath chicks.
Environmental impact	
Horizontal/ Vertical spread	Mr. Pradhan has thrown the success of surprise to the youths who are wondering for a vocation for their livelihood. Moreover he has created a ray of hope among the farmers that agriculture is the only way out for rural unemployed youths.

Good quality photographs

Kadaknath bird farm

Dairy unit

Feeding with floating fish feed

Banaraja poultry unit

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

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

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production (q)	No. of farmers involved	Market available (Y/N)
1	Brinjal	25	3500	250	N
2	Tomato	20	3200	210	N
3	Chilli	15	2200	175	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- NIL

Sl. No	Name of the Equipment	Qty.

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			**No. of Farmers**	**No. of Villages**	**Amount realized (in Rs.)**
Through mini soil testing kit	**Through soil testing laboratory**	**Total**			
500	0	500	2500	30	0

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1	Celebration of World Soil Day	230	1	1)Manoj Mohanty, CDAO, Puri	30	30

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

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

No of student trained	No of days stayed
6	30

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
06.06.23	Sajith Kumar Kunhalath, Director (Farm Implementation), Dept. of Extension, Dept. of Agril. & Farmers welfare, Ministry of Agril. & Farmers welfare, Govt. of India, New Delhi	National Project- DAES in India, Digital Green Trust (DGT) team jointly visited KVK
06.06.23	Anshul Porwal, DGT, New Delhi	-do-
23.09.23	Dr. Lakhan Singh, Ex-Director, ICAR-ATARI, Pune	Courtesy visit
28.09.23	Dr. Curistian Wilt, SPO Soil Health, Zills & Nelinda Gates Foundation	Courtesy Visit
28.09.23	Virender Kumar, Deputy Head, Sustainable Impact Dept., IRRI, Philippines	-do-
30.11.23	Yumna Kassim, IFPRI, Egypt	Visited KVK during CSISA stake holders meet
16.01.24	Prof. Y. S. Paul, Ex Dean, DEE, CSKHPKV, Palampur, Himachal Pradesh	Courtesy Visit
02.02.24	Sabarmatee Sambhav, Rohi Bank, Nayagarh	On exposure visit with the farmers of Koraput district
22.03.24	Prof. B. R. Khamboj, Vice Chancellor, CCS, HAU, Hisar	Courtesy Visit
23.03.24	Dr. G. Pratibha, PI-TDC,NICRA CRIDA	Visited KVK & KVK NICRA adopted village
23.03.24	S. K. Chaudhari, DDG(NRM), ICAR, New Delhi	-do-

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Scientific poultry farming with improved poultry breeds	135	23	3900	10025

Scientific management practices in Mushroom Cultivation	176	75	120/Bed	150/Bed
Soil application of neem cake @2.5 qt/ha,Installation of Blue sticky traps @50nos/ha, & need based application of Difenthiuron @1gm/lt &Spiromesifen 240 SC @ 0.6ml/ lit alternately at 10 days interval-Integrated management for thrips & mites in Chilli	20	37	49235	70800

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
• Popularization of stress tolerant paddy var. Swarna sub 1. • Demonstration of Ranidhan with nitrogen management by Leaf colour Chart • Spreading of BINA-11 in convergence with IRRI • Introduction of salt tolerant paddy varieties like Luna suvarna, Luna sampad • Demonstration of IPM (Stem Borer, BPH, Leaf Folder),IDM(Sheath Blight),IWM,INM practices. • Seed treatment & soil testing campaign • Plant health clinic • Production of quality foundation seeds in the KVK farm • KMA services	• Swana sub 1 is being grown in 15% of paddy area • 42 nos. of paddy seed grower in Puri district • L. Suvarna & L. Sampad are being grown in 60Ha area. • 192 nos. of paddy transplanter and 194 nos. of combined harvester are functional • 2121 Ha is under mechanized line transplanting • 24.38% increase in yield
Varietal Trial in Pulses & Oilseeds under CFLD	• INM, weed management, IPM have shown significant increase in yield upto32% • YMV incidence in Greengram&Blackgram is very low • Groundnut seed production (FPO) developed in Kanas block
• IDM in Betel vine IDM comprising of bio-pesticide(Neem cake 750 kg/ha, *Trichoderma viridae*5 kg/ha, Bordeaux mixture 1% soil drenching & 0.5% foliar spray alternatively at 15 days intervals	• One of the cash crop of the district covering an area of 520 ha • Leaf yield of 52.3lakh/ha/yr was obtained as against 37.8lakh/ha/yr which is 38% higher • 42% of the betelvine grower are using neemcake • 40% of the fertiliser dealers are selling neem cake
Popularisation of Pointed gourd var. Swarna Aloukik	No.of villages:4 No.of farmers:92 Area covered: 26 ha out of total area of 45 ha

Cultivation of marigold var. Seracole 30,000 seedlings per ha, with spacing of cm 45x30,NPK kg/ha 60:50:60 and vermicompost in month of October with seedling production.	Marigold area spread to 12 ha in the district 31% increase in yield than Desi Flower with an economic advantage Rs.49,900/ha
• Scientific management of Paddy straw mushroom cultivation training • Demonstration on Oyster mushroom var. *Hypsizygousulmarius* • Trial on high yielding var. OSM 11 & OSM-12 • Linkage with NHM for commercial Mushroom production & Spawn Unit • Introduction of off season mushroom in Poly house to meet the high demand of paddy straw mushroom • Effective utilization and conversion of spent mushroom substrate into vermicompost • Compost method for paddy straw mushroom cultivation • Capacity building training on mushroom cultivation and value addition	• Horizontally spread from 4 to 11 blocks and 5870 no. of farm families are involved in mushroom farming • 3nos.of processing units have been developed involving 2 Self Help Groups. • 14 mushroom spawn units established after getting training from CTMRT and under the guidance of KVK • 300 commercial mushroom units taking scientific advisory for better production • 260 persons are involved in marketing and 45 straw suppliers developed
Popularisation of Coloured Poultry breeds Vanraja& Black Rock for backyard rearing in semi-intensive system for both meat and egg purpose	• Added an extra income of Rs.5000/- per batch of 20 birds • 96471 Backyard poultry (9%) produces 2.5 million eggs in the district which • has a great impact on nutritional security • 3No. of brooding units are functional in the district • Mid day meal eggs are being supplied by SHGs
• Yearling stocking @5000 numbers/ha in composite carp culture • Application of Floating fish feed @ 2-1 % of body weight • Intercropping of minor carps (*L. gonionotus and L. fimbriatus*) with IMC • Substitute Rohu with Jayanti Rohu • Application of Probiotics and multimineral in pisciculture • Application of humic acid for plankton production • Introduction of Amur carp in stead of common carp • Introduction of Fresh water prawn with IMC • Placing of periphytic substrate in pond for growth enhancement • Grass carp for biological control of aquatic weeds	• This technology has spread over 740 ha pond water area covering around 315 villages of the district. • 278 numbers of unutilized ponds have been utilized for commercial fish production • 12 numbers of private hatchery have been established for IMC spawn production • More than 420 ha water area is being utilized for fingerling and yearling production • More preference towards live fish consumption than iced fish

Give information in the same format as given below

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	
Good quality photographs (2-3)	

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
i) Agriculture Department	REF Linkage, Monitoring BGREI Programme, ATMA Capacity building, ATMA Participatory Research, Soil Day Celebration, In-service Training, DLMT Meeting, Strategy Meeting, Farmer Scientist Interaction, Participation in field day of CFLD, District level Kisan Mela
ii)Horticulture Department	QPM Verification, RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training
iii)Fishery Department	RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training
iv)Veterinary Department	RE Linkage, Farmer Scientist Interaction, Project Proposal preparation for entrepreneurs, , In-service Training, Active support both in terms of man power and inputs during organization of Animal Health camp
v) Forest Department	Procurement of forest plants
vi) SWAD- NGO	Supply of Paddy Seeds, Capacity building
vii) IRRI-OUAT Collaborative project	Head to Head trials on Stress tolerant rice varieties, screening of stress tolerance varieties
Viii) DSWO, Puri	In-service training programme for AWWs & Extension Functionaries
ix) CIFA, Bhubaneswar	Procurement of IMC spawn & fry
x)OUAT, Bhubaneswar	Procurement of Paddy seeds, Planting Materials, Tricho cards, Poultry, mushroom mother spawn
xi)CHES, Bhubaneswar	QPM of fruits & Vegetables
xii)OSSC, Bhubaneswar	Sale of foundation seed of paddy, supply of breeder seeds

5.2. List of special programmes undertaken during 2023 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq .mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poly house	2018	41.8	*Vegetable seedling*	Seedling	101317	75602	156285	
2.	Azolla Unit	2019	08.0	*A.pinnata*	Azolla	-	-	-	
3.	Mushroom Unit	2016	40.13	*V.volvacea P.sajarcaju*	Mushroom	322.8 kg	22302	32802	
4.	Vermi compost	2018	8.17	*E.Foetida*	Vermiculture & vermicompost	20q	-	-	Used in KVK farm
5.	Medicinal Unit	2014	600	24 types of medicinal plants	-	-	-	-	-
6.	Ornamental fish	2019	10	Ornamental fish	-	-	-	-	-
7.	Apiary Unit	2020	9 boxes	*Apis cerena indica*	Bee colony, Honey	6nos. 3kg	2100	-	Installed in KVK Apiary Unit
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	25.08.23	24.12.23	6	Pooja	FS	216.0			
Rice	29.08.23	28.12.23	6	Kalachampa	FS	215.15			

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Mushroom	322.8	22302	32802	
2	Mushroom spawn	210Nos.	2310	2940	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Fish	IMC	Fingerlings	508800	153620	328020	
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current	SBI	Sakhigopal, Puri	11346446097
Current	SBI	Sakhigopal, Puri	30356069907
Current	SBI	Sakhigopal, Puri	39580900261

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

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

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

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

7.4 Utilization of KVK funds during the year 2023-24 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	13800000	11778111	12795245
2	Traveling allowances	150000	150000	150000
3	Contingencies			
a	Stationary, telephone, postage and other exp. On office running	460000	460000	460000
b	POLs, repair of vehicles, tractor & equipments			
c	Meals/refreshment for residential and non-residential trainings	345000	345000	345000

d	Training material			
e	Frontline demonstrations	172500	172500	172500
f	On farm testing	172500	172500	172500
g	SCSP	1500000	1500000	1500000
TOTAL (A)		**16630000**	**15625245**	**15625245**
B. Non-Recurring Contingencies				
1	Works (Farmers Hostel)	5969000	5969000	5969000
2	Library	10000	10000	10000
TOTAL (B)		**5779000**	**5779000**	**5779000**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**22609000**	**21604245**	**21604245**

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

Year	**Opening balance as on 1st April**	**Income during the year**	**Expenditure during the year**	**Net balance in hand as on 1st April of each year (Kind + cash)**
2019-20	10.21	8.79	12.07	6.93
2020-21	6.93	10.06	16.16	0.83
2021-22	0.83	28.78	18.94	9.84
2022-23	9.84	11.87	16.88	4.83+1.19 (Kind-Rice seeds)
2023-24	4.83	19.30	12.53	11.61 + 12.8(kind- Fingerlings & rice seeds)

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

Sl. No.	**Area of activity**	**No. of SHG involved**	**No. of Participants**	**Remark**
1	Mushroom cultivation	112	1680	A total 85 groups were trained on mushroom cultivation. 75 groups were trained under Hort. Dept. and 10 groups of KVK villages were provided with technical guidance and linked with Hort. dept. for different schemes. SHG groups benefited with a package of Rs.10000 from Hort. Dept.
2	Nutritional Garden	85	255	A total of 40 members of 11 different SHGs were trained on Nutritional Garden and linked with OLM on the Mo Upakari Bagicha scheme
3	Vermicomposting	8	14	Near about 6 SHGs started vermicomposting
4	Vegetable cultivation	12	28	A total 12 no of SHGs were provided technical guidance in vegetable cultivation

7.7. Joint activity carried out with line departments and ATMA

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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	6	465392
Livestock		
Fishery	2	103286
Weather	3	284532
Marketing		

Awareness		
Training information		
Other	1	92582
Total	12	945792

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachha Bharat Programme

Date/ Duration of Observation	Activities undertaken
31.05.23 26.07.23 09.08.23 31.08.23 28.09.23 19.10.23 01.11.23 18.11.23 21.12.23 12.01.24 09.02.24 22.02.24	* Cleaning of office campus * Campus beautification * Farm waste management through vermi composting * Wipe out old scrap records & items * Awareness on swachhata among farmers & farmwomen * Awareness on swachhata among school students

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	12	-
2. Basic maintenance		
3. Sanitation and SBM	9	2200
4. Cleaning and beautification of surrounding areas	15	12500
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	6	
6. Used water for agriculture/ horticulture application	16	
7. Swachhta Awareness at local	4	1200

level		
8. Swachhta Workshops		
9. Swachhta Pledge	1	
10. Display and Banner	3	
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)	156	
14. No of Staff members involved in the activities		
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total		

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'* / '*Pre-Kharif Campaign'* Programme- Nil

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

Please provide good quality photographs:

9.10. Details of Swachhta Hi Suraksha/ Swachhta Pakhwada programme organized

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

Please provide good quality photographs:

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Demonstration on Paddy straw mushroom cultivation, Seeds & seedlings supply for Nutritional Garden	4	50	0	0

Please provide good quality photographs:

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

Please provide good quality photographs:

11. Details of DAPST/ TSP

a. Achievements of physical output under TSP during 2023

Progress of DAPST for the year 2023 (Jan. to Dec., 2023)

Name of KVK		**KVK Puri**					
Sl.No.	***Item/Activity***		***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
				Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.				
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	kg				

	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.				
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.				
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.				
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.				
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.20	FYM/ Vermicompost	tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				

	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	**Distribution of Literature**		No.				
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				
11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**						
12	**Any other (specify)**						

b. Fund received under TSP in 2023-24 (Rs. In lakh):

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2023

Progress of DAPSC for the year 2023 (Jan. to Dec., 2023)

Name of KVK							
Sl.No.	***Item/Activity***		***Units***	***Targets/Achievements***		***No. of Beneficiaries***	
				Annual Targets	***Achievements***	***Annual Targets***	***Achievements***
1	**Trainings (Capacity building/ Skill Development etc.)**		No.				
	1.1	1-3 days	No.	7	7	220	220
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	**On Farm Trials (OFTs)**		No.				
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.	7	7	115	115
4	**Awareness camps, exposure visits etc.**		No.				
5	**Input Distribution**						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	kg	4 Kg	4 Kg		50
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.				
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	2400 Bottles	2400 Bottles	40	40
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat	No.				

		etc.)					
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (upto Rs 2000)	No.				
	5.13	Medium Equipment's/ machinery (upto Rs 25000)	No.	4	4	20	20
	5.14	Large Equipment's / machinery (> Rs. 25000)	No.	1	1	10	10
	5.15	Infrastructure / Civil Works/ Ponds etc	No.				
	5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
	5.17	Land development/ Reclamation / Conservation	hectares				
	5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	**Services/Facilitation**						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	**Distribution of Literature**		No.	4	4	1000	1000
8	**Employment generation for livelihood**		(Man-months)				
9	**Fellowship, Stipends or Scholarship**		No.				
10	**Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable**		No. of projects				

11	**Monitoring & Evaluation of DAPSC/ST (upto 3%)**					
12	**Any other (specify)**					

b. Fund received under SCSP in 2023-24 (Rs. In lakh): 15.0

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
Renovation of Bund	1	1	6.8					17	0	17	0	17	Bund renovation is done to create water storage
Mulching in Chilli	1	2	0.24					4		4		4	Use of mulching to control weed and to decrease the frequency of irrigation
Mulching in Pointed gourd	1	2	0.24					2		2		2	Use of mulching to control weed and to decrease the frequency of irrigation
Community Vermicompost unit	1	5						17	0	17	0	17	To emphasize the organic farming for sustainability in agriculture

Crop Management

Name of intervention undertaken	**Area (ha)**	**No of farmers covered / benefitted**									**Remarks**
		SC		**ST**		**Other**		**Total**			
		M	F	M	F	M	F	M	F	T	
Deep water rice variety CR Dhan 508	1.3					07		07		07	To grow the crop under water logging condition
Deep water rice variety CR Dhan 506	2.7					09		09		09	To grow the crop under water logging condition
Deep water rice variety Bina 11	3.68					17		17		17	To grow the crop under water logging condition
Salt tolerant Paddy variety CR Dhan 412	0.43					04		04		04	To grow the crop under high salinity water

Sweetcorn, Misthi	0.5					10		10		10	Growing sweet corn on bund
Bittergourd on Single line trellis system	0.2					10		10		10	Growing bittergourd on single line trellis system
Stress tolerant Pumpkin var. Arjuna	0.2					10		10		10	To overcome the stress Pumpkin var. Arjuna is provided.
Backyard Kitchen garden	0.48					20		20		20	unit size – 240sqm kitchen gardening in backyard
Offseason marigold cultivation var Seracola	0.1					02		02		02	Offseason flower cultivation

Livestock and fisheries

Name of intervention undertaken	**Number of animals covered**	**No of units**	**Area (ha)**	No of farmers covered / benefitted									Remarks
				SC		**ST**		**Other**		**Total**			
				M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**	
IMC & Chinese carps 1	5,000	10	2					10		10		10	Individual fish farming
IMC & Chinese carps 2 (Community based)	21,500 fingerlings	1	6.8					17		17		17	Community based intervention of sequential paddy cum fish farming
Kuroiler	25	8						08		08		08	Portable poultry housing system
Rhode Island Red	25	8						08		08		08	Portable poultry housing system

Institutional interventions

Name of intervention undertaken	**No of units**	**Area (ha)**	**No of farmers covered / benefitted**									**Remarks**
			SC		**ST**		**Other**		**Total**			
			M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**	
Community Mushroom Cultivation	1	47 nos. beds					17		17		17	Income generation
Seed Bank	1						6		6		6	Income generation
Fodder Bank	1	0.4					5		5		5	Income generation

Capacity building

Thematic area	**No of Courses**	**No of beneficiaries**								
		SC		**ST**		**Other**		**Total**		
		M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Natural Resource Management	2					51	9	51	9	60

Income Generation	2					12	48	12	48	60
Farm Mechanization	2					58	2	58	2	60
Climate Resilient Agriculture	2					35	25	35	25	60

Extension activities

Thematic area		**No of activities**	**No of beneficiaries**								
			SC		ST		Other		Total		
			M	F	M	F	M	F	M	F	T
Diagnostic visit	Panama wilt in Banana inspection	1					11	6	11	6	**17**
	Need based pest management in Paddy	3					10	5	10	5	**15**
	Disease management in fish	1					9	3	9	3	**12**
	Water submergence check in deep water rice varieties	2					15	5	15	5	**20**
Scientist visit to farmer's field	monitoring of NICRA activities	38	47	23	35	18	185	117	267	158	**425**
Animal Health Camp	Vaccination against	1	3	2	2	1	32	20	37	23	**60**
Group Discussion	Fortnightly discussion with VCRMC members about ongoing activities in NICRA village	24					15	5	15	5	**20**
Method demonstration	1. Operation of Paddy Reaper 2. Release of fish fingerlings and yearling 3. Supplementary feed for cows 4. Mulching in vegetable crops 5. Use of trap for pest management in crops 6. Broad base furrow method for vegetables 7. Bunch feeding of Banana 8. Vermicompost preparation using mushroom bed substrate 9. MAT nursery raising 10. Round mushroom bed using crumbled straw 11. Azolla as feed for poultry birds	11					60	28	60	28	88
Exposure visit	Exposure visit conducted to ICAR institutes located in Bhubaneswar and Centre of	1					36	04	36	4	40

	Excellence, Bhubaneswar										
Newspaper coverage	Interventions taken up in the project	8									

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

Sl. No.	Name of the Award	Year	Conferring Authority	Amount	Purpose
1	Third Position in Dist. Agriculture Farm Mechanization Fair, Puri	2023-24	District Agriculture Engineering Dept., Puri, Govt. of Odisha	Nil	-

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	OUAT Best Farmer Award	Sukanti Pradhan	2022-23	OUAT	Nil	

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

16. Number of commodity based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1	Baliharachandi FPC,	8.1.2020	Palank, Brahmagiri, 752011,		Paddy, casuarina, cashew, coconut, input shop	508		
2	Bababhimeswar FPC	8.1.2020	Bedhasundar, Brahmagiri, 752011		Paddy, casuarina, cashew, coconut	527		
3	Utareswar FPC	7.31.2020	Nimapada, Kakatpur		Paddy, betel vine, pisciculture	545		
4	Gopaljiu FPC		Bairipur, Gop		Paddy, betel vine, pisciculture	405		
5	Satyabadi FPC	30.7.20	Pattnaikia		Paddy , mushroom			

6	Parikalpana FPC	31.3.21	Pandaswar, siruli, 752012, Purisadar,		Paddy seed, fertilizer,pesticide	210		
7	Punarva FPC	17.4.20	Astaranga		Paddy, betelvine, mushroom, fishery, spices, value added products, paper plate	500		
8	Sangathita FPC		Dhumalo, Gop752107		Coir products, spices, mushroom	407		
9	Navagramin FPC	15.5.21	Basantapada, satyabadi, 752013		Paddy seed, fertilizer, pesticide	172		
10	Nabachintan,	29.4.21	Baranga, Nimapada		Paddy, pulses, betelvine, vegetable,	365		
11	Sarvodaya FPC	16.3.21	Nimapada		Paddy, sesamum, pulses, vegetable, mushroom	1007		
12	AAIONA Agro FPC	22.8.2020	Gadabadaput		Vegetable, mushroom	200		
13	Laxmi Nrusingh Organization for People's Empowerment	26.11.2020	Nimapada		Mushroom	27		
14	Gop Honey fed	3.1.2022	Gop		Paddy, apiary	10		
15	KrushakSathi FPC	29.12.2020	Goutamnagar Nimapada		Aromatic paddy	1211		
16	JaytridevFPO Ltd	28.03.2023	Dandipur Nimapada		Paddy, maize, poultry	10		
17	Samarpita women FPO .Ltd	10.10.2002	Subalapur, Satasankha		Greengram, paddy, CHC	511		

17. Integrated Farming System (IFS)

Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Fingerling production unit	0.2	508800	153620	328020	23	20

2	Mushroom production unit	40.13sq.mt	322.8	22302	32802	57	27
3	Poly House	41.8 sq.mt.		75602	156285	18	15
4	Banana plantation	60nos	-	-	-	-	-
5	Apiary Unit	09 Boxes	6nos. of colony 3kg honey	Installed in KVK campus	2100	35	19
6	Vermicompost Unit	8.17 sq.mt	-	-	-	-	-

18. Technologies for Doubling Farmers' Income

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

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.2018)					
Total					

20. Information on Visit of Ministers to KVKs, if any (Please provide good quality photographs)

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

21. a) Information on ASCI Skill Development Training Programme, if undertaken during 2023

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

(Please provide good quality photographs)

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2023

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

22. 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

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

Achievement under ICAR-ARYA Project

Indicators	Mushroom Production & Value Addition	Fish production with fish seed	Backyard Poultry	APIARY	Total
Training Programs Conducted (No.)	2	2	2	2	**8**
Rural youth trained (No.)	30	30	30	30	**120**
Entrepreneurial Units Established (No)	5	3	2	5	**15**
Total Entrepreneurial Units	30	30	25	30	**115**
Total Functional/ sustainable Units	30	30	25	30	**115**
Groups formed under ARYA if any (No.)	2	1	1	1	**5**
Number of youth Associated with each group	20	30	20	30	**-**
No. of units established in the village/ nearby areas after success of this unit	16	12	8	7	**43**
Any product has been branded? If so, name of the branded product	1	Nil	Nil	1	**02**
Research publications (No)	1	2			**03**
Other publication (success story, case study, etc.)	6	5	4	5	**20**
Awareness created (No. of press release/TV or Radio talk, etc.)	5	6	3	4	**18**

Whats App Group Created by Group(Yes/No)	1	2	1	1	**05**

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

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