

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, Jagatsinghpur At-Nimakana, P.O-Manijanga, Dist-Jagatsinghpur Pin-754160, State-Odisha	9937191300		kvkjagatsinghpur.ouat@gmail.com

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

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

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Jibanjit Sen	At- KVK Nimakana, Jagatsinghpur Pin-754160, State-Odisha	9937191300	Jibanjit_sen@rediffmail.com

1.4. Year of sanction of KVK: 2005

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. Jibanjit Sen	Senior Scientist & Head	Soil Sc. & Agril. Chemistry	79,800-2,11,500 Basic:92,500	27.07.2022	Temporary	OTHER
2	Scientist	Dr. Prabhat Kumar Padhi	Scientist (Animal Science)	Veterinary Science	15,600-39,100 AGP:6000 Basic:19,810	16.06.2015	Temporary	OTHER
3	Scientist	Mr. Debasis Panda	Scientist (Plant protection)	Entomology	57,700-1,82,400 Basic: 92,500	09.06.2021	Temporary	OTHER
4	Scientist	Mr. Dwarika Mohan Das	Scientist (Agril. Engineering)	Agril. Engineering	15,600-39,100 AGP: 6000 Basic:20,590	09.06.2021	Temporary	OTHER
5	SMS	Dr. Pradipta Majhi	SMS (Soil Sc. & Agril. Chemistry)	Soil Sc. & Agril. Chemistry	56,100-1,77,500 Basic:65,000	27.11.2018	Temporary	OTHER
6	Scientist	Mrs. Sasmita Purohit	Scientist (Home Science)	Home Science	57,700-1,82,400 Basic: 92,500	22.12.2018	Temporary	OTHER
7	Programme Assistant	Mrs. Sarita Das	Programme Assistant (Fishery)	Fishery Science	35,400-1,12,400 Basic:58,600	25.07.2018	Temporary	OTHER
8	Computer Programmer	Samir Kumar Pattanaik*	Prog. Asst. (Comp Sc)	Computer Sc.	9,300-34,800 Basic-12,430(old scale)	Working at DEE. OUAT	Temporary	OTHER
9	Farm Manager	Mr. Rabindra Kumar Pradhan	Farm Manager	Horticulture	35,400-1,12,400 Basic:44,900	16.11.2012	Temporary	OBC
10	Accountant / Superintendent	Vacant						
11	Stenographer	Mrs. Rajashree Singh	Jr. Steno-cum-Computer Operator	B.A.	25,500-81,100 Basic:42,200	09.06.2021	Temporary	OBC
12	Driver-cum-Mechanic	Mr. Pradipta Kumar Barik,	Driver-cum-Mechanic	9 th	21,700-69,100 Basio:30,200	04.08.2008	Temporary	OBC
13.	Driver-cum-Mechanic	Mr. Jitendra Pradhan	Driver-cum-Mechanic	+2	21,700-69,100 Basio:30,200	01.08.2022	Temporary	OTHER
14.	Supporting staff	Vacant		-				
15.	Supporting staff	Smt. Urbasi Nayak	Peon-cum-Watchman	5 th	16,600-52,400 Basic:25,800	22.12.2007	Temporary	ST

1.6. Total land with KVK (in ha) :

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

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					2008		Use	ICAR
2.	Farmers Hostel					2008		Use	ICAR
3.	Staff Quarters (6)					2012		Use	ICAR
4.	Piggery unit					2017		Use	RKVY
5.	Fencing					2015		Use	RKVY
6.	Rain Water harvesting structure					-			
7.	Threshing floor					2007		Use	ICAR
8.	Farm godown					2013		Use	ICAR
9.	Dairy unit					2017		Use	ICAR
10.	Poultry unit					2011		Use	RKVY
11.	Goatary unit					2011		Use	RKVY
12.	Mushroom Lab					2011		Use	RKVY
13.	Mushroom production unit					2017		Use	ICAR
14.	Shade house					2014		Use	RKVY
15.	Soil test Lab					2017		Use	ICAR
16.	Others, Please Specify								
	• Vermi Yard					2011		Use	RKVY
	• IFS Unit					2017		Use	ICAR

	• Herbal Garden					2017		Use	ICAR
	• Carp Hatchery					2011		Use	ICAR

* 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
Swift Dzire	2022-23	6,37,890/-	18840	Running
Tractor	2018-19	7,00,000/-	10345	Running
Motor cycle	2010-11	65,000/-	32681	Running

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Refracto meter	2022	9,995	Working	ICAR
Chaff cutte (power operated)	2022	27,700	Working	ICAR
Laminator	2022	4372.95	Working	ICAR
Luminous 5 KVA with out battery wave sine wave inverter	2022	299603wq2	Working	ICAR
Exide 6 EL 1500 L	2022	46,400	Working	ICAR
Segate 8 Tb HDD expansion Hub	2022	14689	Working	ICAR
Laboratory Hoteta	2022	13000	Working	ICAR
Centrifuge	2022	37907.00	Working	Govt. of Odisha
Magnetic Stirrer	2022	11971.00	Working	Govt. of Odisha
Vertex Mixer	2022	9998.00	Working	Govt. of Odisha
Air Conditioner	2022	38999.00	Working	Govt. of Odisha
Printer	2022	26180.00	Working	Govt. of Odisha
Weighing Balance	2022	28000.00	Working	Govt. of Odisha
Magnifier	2022	4996.00	Working	Govt. of Odisha
Colony Counter	2022	11345.00	Working	Govt. of Odisha
Refrigerator	2022	24768.00	Working	Govt. of Odisha
Microwave Oven	2022	19352.00	Working	Govt. of Odisha
Double Distillation Unit	2022	33999.00	Working	Govt. of Odisha
Hot Air Oven	2022	30000.00	Working	Govt. of Odisha
DSLR Camera	2022	49498.00	Working	Govt. of Odisha
Desktop Computer	2022	48490.00	Working	Govt. of Odisha

Laminar Air Flow	2022	94000.00	Working	Govt. of Odisha
Autoclave	2022	105980	Working	Govt. of Odisha
BOD Incubator	2022	68000	Working	Govt. of Odisha
pH Meter	2022	19990	Working	Govt. of Odisha
Trinacular microscope with photography attachment and display system	2022	95000	Working	Govt. of Odisha
Stereo Microscope	2022	94800.00	Working	Govt. of Odisha
ELISA Reader and ELISA Kit	2022	390000	Working	Govt. of Odisha
LPG Cylinder and Bunsen Burner	2022	5341	Working	Govt. of Odisha
Glasswares and Laboratory aids	2022	100000	Working	Govt. of Odisha
Exhibits and Reference Materials	2022		Working	Govt. of Odisha
Laboratory table and stools	2022		Working	Govt. of Odisha
Automatic Nitrogen Analyzer with digestion Unit	2017	2,79,000	Working	ICAR
KES 08 LE	2017	77,500	Working	ICAR
KEL VAC VA	2017	69,900	Working	ICAR
Flame Photometer	2017	51,600	Working	ICAR
Digital Soil Moisture Meter	2017	27,706	Working	ICAR
Physical Balance	2017	3,350	Working	ICAR
All Glass Double Distillation Unit	2017	58,000	Working	ICAR
Distillation Appts Power Supply	2017	9,770	Working	ICAR
PH Meter-Micro Controller	2017	28,550	Working	ICAR
Conductivity Meter	2017	18,900	Working	ICAR
Rotary Shaker	2017	22,050	Working	ICAR
Flask Holding Clamp	2017	6,000	Working	ICAR
Mechanical Stirrer	2017	8,000	Working	ICAR
Bouycocus Hydrometer	2017	9,775	Working	ICAR
Hot Air Oven (Digital)	2017	27,310	Working	ICAR
Thermometer	2017	300	Working	ICAR
Water Quality Analyzer	2017	70,870	Working	ICAR
Vortex Shaker	2017	15,500	Working	ICAR
Magnetic Stirrer with Hot Plate	2017	16,800	Working	ICAR
Wooden Geological Hammer	2017	900	Working	ICAR
Sieve Brassframe	2017	3,570	Working	ICAR
Keen Cup	2017	3,600	Working	ICAR
Soil Moisture Sample Box	2017	3,300	Working	ICAR
Soil Agar Screw Type	2017	3,600	Working	ICAR
Electronic Balance	2017	64,000	Working	ICAR
Top Pan Balance	2017	36,000	Working	ICAR
PC based double beam UV Vis Spectrometer	2017	3,52,013	Working	ICAR
Refrigerated Centrifuge	2017	1,92,000	Working	ICAR

Angle Head R-244m -12x15ml	2017	17,000	Working	ICAR
Angle Head	2017	13,000	Working	ICAR
Voltage Stabilizer	2017	13,200	Working	ICAR
Hot Air Oven	2011	15,000	Working	RKVY
Autoclave fully automatic	2011	79,750	Working	RKVY
Pan Electronic Balance	2011	5,460	Working	RKVY
Honda Gen Set	2009	35,873	Working	ICAR
Laminar Air Flow	2011	55,125	Working	RKVY
Honda Brush Cutter	2018	27,585	Working	ICAR
Refregerator	2011	19,000	Working	RKVY
Desktop Computer	2016	38,500	Working	ICAR
Printer	2018	14,000	Working	ICAR
Stabilizer	2018	4,800	Working	ICAR
Photo copier	2016	13,333	Working	ICAR
Xerox machine	2016	72,556	Working	ICAR
UPS	2016	1,636	Working	ICAR
Inverter with Battery	2017	34,349	Working	ICAR
Tablet	2017	10,004	Working	ICAR
Grinder	2016	2,600	Working	ICAR
Air Conditioner	2018	47,200	Working	ICAR
Desktop Computer	2018	47,750	Working	ICAR
Air Conditioner	2009	29,390	Working	ICAR
Air Conditioner	2011	30,190	Working	ICAR
b. Farm machinery				
Pumpset	2022	24,780	Working	ICAR
MB Plough			Working	ICAR
Rotavator	2012	79,800	Working	ICAR
Cultivator	2012		Working	ICAR
Power sprayer	2012	9,054	Working	ICAR
Pumpset	2012	11,146	Working	ICAR
Pumpset	2015	19,000	Working	ICAR
c. AV Aids				
Desktop	2022	31,500	Working	ICAR
Telephone	2022	1499	Working	ICAR
CCTV Camera (6 nos.)	2022	23991	Working	ICAR
Vamma ceramic steel	2022	30,499	Working	ICAR
LED TV (55 inch)	2022	37,175	Working	ICAR
CP Plus CP-urn	2022	16,480	Working	ICAR
LCD projector	2009		Working	ICAR
Laptop	2009	47,300	Working	ICAR

DVD	2007	2,133	Working	ICAR
TV	2007	9,955	Working	ICAR
Amplifier	2017	10,500	Working	ICAR
Video Camera	2017	32,990	Working	ICAR
Digital Camera	2012	19,700	Not Working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
MB Plough			Working	ICAR
Rotavator	2012	79,800	Working	ICAR
Cultivator	2012	80,000	Working	ICAR
Power sprayer	2012	9,054	Working	ICAR
Pumpset	2012	11,146	Working	ICAR
Pumpset	2015	19,000	Working	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	13.12.2023	30	Bio-fortified varieties of rice may be introduced	1.Demonstration conducted on Biofertilized rice variety (CR Dhan -310 & CR Dhan -311) at KVK Campus 2.Demonstration on salt tolerant varieties of rice (Variety: Luna Ambiki, Luna Barihal & Luna Suverna) at Achyutadaspur village of Erasama block	
			Some experiment on Soil salinity may be taken	1.Demonstration on green manure in Dhaincha at Gorada village of Kujanga block 2.Training programme on saline soil management at Praharajpur village of Earasama block	
			Management of YVMV in Greengram	1.Demonstration on Integrated	

				management practices against YVMV disease of greengram at Oreisal village of Erasama block 2.Awareness and training programme were conducted at different villages of all 8 blocks	
			Nutrient management in Greengram to be taken up	1.Assessment of integrated nutrient management in greengram was conducted at Bhansar village of Tirtol Blaock 2.Awareness and training programme on INM were conducted at different villages of all 8 blocks .	
			Conduct more activities on BPH, Stem borer management in Paddy	1.Demonstration on management on stem borer conducted in rice at village Sanimula of Tirtol block 2.Awareness and training programme on BPH and stem borer was conducted during joint field visits and KMA	
			More programme should be taken under Crop Diversification	Training programmes conducted at village Nunukua, Kalikuda and Bagoi on Millet (Ragi) cultivation and processing	
			Nutrient management in Greengram to be taken up	1.Assessment of integrated nutrient management in greengram was conducted at Bhansar village of Tirtol Blaock 2.Awareness and training programme on INM were conducted at different villages of all 8 blocks .	
			Conduct more activities on BPH, Stem borer management in Paddy	1.Demonstration on management on stem borer conducted in rice at village Sanimula of Tirtol block 2.Awareness and training	

				programme on BPH and stem borer was conducted during joint field visits and KMA	
			More programme should be taken under Crop Diversification	Training programmes conducted at village Nunukua, Kalikuda and Bagoi on Millet (Ragi) cultivation and processing	
			Nutrient management in Greengram to be taken up	1.Assessment of integrated nutrient management in Green gram was conducted at Oreisal and Garam villages 2.Training programme on INM in pulse crop at Bhansar village	
			Importance should be given on Biofloc farming & Ornamental fish farming	1.Training programme on Biofloc fish farming & Ornamental fish farming were conducted at different adopted and non adopted villages. 2.Demonstration unit on Biofloc & Ornamental unit have been established at KVK campus for exposing to farmers.	
			More nos. of training should be conducted on value addition, spawn production & package of practice of mushroom cultivation	1.Demonstration on management of competitive fungus (corpinus/Inkcap) in paddy straw mushroom at Nunukua (10 beneficiaries) 2.Assessment on suitable value added products from oyster mushroom 3. Three number of Trainings were conducted on mushroom production and awareness also have been conducted through Horticulture workshops organised in different blocks of the district.	
			Awareness programme should be conducted on Deworming of Livestock with the help of	1. Two numbers of Animal health camps at village Tainkula of	

			Line dept.	Balikuda block and Achyutadaspur of Erasama block were conducted with the help of line departments and scientists of OUAT.	
			Management of Rhinoceros beetle and Spiraling white fly in Coconut	Demonstration on Integrated management of spiraling white fly & Rhinoceros beetle will be conducted during Rabi 2023-24 .	

** 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	Rice- Greengram/,Rice-Vegetables, Rice-fallow /Dairy /Fishery
2	Agro-climatic Zone	East & south eastern coastal plain
3	Agro ecological situation	Costal irrigated alluvium Rain-fed alluvium Costal alluvial saline Costal waterlogged
4	Soil type	Sandy loam to clay loam
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-3.6 t/ha Greengram -0.432 t/ha Blackgram -0.450 t/ha Chilli-1.13 t/ha,Sugarcane-70. t/ha,Groundnut-2.06 t/ha
6	Mean yearly temperature, rainfall, humidity of the district	30 °C & 18 °C, Annual rainfall – 1521.16 mm, 98%
7	Production of major livestock products like milk, egg, meat etc.	Dairy -102 MT milk/year, Psciculture-Inland- 494.4 ton /year Marine fish -8000 ton/year,Poultry -

		29.1 Million (Egg) 3.07 TMT (Meat),Goatery -2.13 TMT (Meat),Mushroom -10-12 q/day
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Note: Please give recent data only

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Tirtol	Tirtol	Garam, Bhansar, Sanimul Khadal	Rice, Greengram, Vegetables, Dairy, Poultry	Low yield in rice and khaira disease, low quality of compost; Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Dairy, Low yield in vegetables	Fish pond management, Management practices in Dairy farming, Empowerment of SHGs through Agro enterprises
2	Biridi	Biridi	Sankhapur	Rice, greengram, Dairy, Poultry, Pisciculture	Low yield, khaira disease in rice, Low yield in pulse, low quality of compost; Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Dairy, Less availability of inputs like seed fertilizer and fingerlings, Underutilization of marine fish	Management practices in Dairy farming, Introduction of high yielding varieties of vegetables and fruits
3	Kujan ga	Kujanga	Srichandanpur / Bagoi/ Gorada	Rice, greengram, dairy,	Low yield and poor quality in cauliflower and tomato, low	INM in cauliflower and tomato, Use of seed cum fertilizer

				poultry, vegetables, Pisciculture	quality of compost, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Dairy, Underutilization of marine fish	drill, IPM in rice, INM in Greengram, IPDM in vegetables Introduction of high yielding varieties of vegetables, Fish pond management, INM in vegetable, Entrepreneurship development, Farm mechanization
4	Naugaon	Naugaon	Marada	Rice, greengram, dairy, poultry, vegetables	Low yield and poor quality in brinjal, cauliflower and tomato; low quality of compost; Low yield in rice, Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Dairy,	INM in Brinjal, cauliflower and tomato; vermicompost production; FLD on power weeder, IPM in rice, IPDM in vegetables Farm mechanization Introduction of high yielding varieties of vegetables, Entrepreneurship development
5	Baliku da	Balikuda	Nabanga	Rice, green gram, dairy, poultry, Mushroom	Heavy incidence of pest and disease in rice Low yield in pulse, Low milk yield in Dairy, Low yield in mushroom	IPM in rice, Farm mechanization Entrepreneurship development

2. c. Details of village adoption programme:

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

Name of village	Block	Action taken for development
Garam	Tirtol	• FLD on Integrated fish farming • OFT on INM in rice • Demonstration of Mola in composite pisciculture • Demo on stunted fingerlings production • Demonstration of Amur carp in composite pisciculture • Demonstration on Nutritional garden
Srichandanpur	Kujanga	• FLD on Management of Serpentine leaf miner in Cucumber • OFT on sprinkler irrigation in greengram • Demonstration on INM in Green gram • Demonstration of zinc application in low land rice
Marada	Naugaon	• FLD on INM in Brinjal • OFT on Decomposer for in-situ residue management in Rice • Demonstration on Integrated management of spiralling white fly in coconut • Demonstration on management of serpentine leaf minor in cucumber • OFT on fruit fly management in Bitter gourd
Nabanga	Balikuda	• FLD on management of competitive fungus (corpinus/Ink cap) • FLD on FLD on of Quail farming under intensive system for income generation
Sankhapur	Biridi	• FLD on vegetable seedling raising under poly tunnel • FLD on Drip irrigation in Okra • OFT on management of Rhinoceros beetle in Coconut

2.1 Priority thrust areas

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

10.	Empowerment of SHGs through agro enterprise
11.	Use of bio-fertilizers and bio-pesticides
12.	Feeding management in small ruminants
13.	Disease management in livestock and poultry
14.	Farm mechanization
15.	Micro irrigation

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
08	08	56	1	1	0	0	16	10	3	2	5	22	22	220	33	1	-	-	1	10	1	2	2
			7	3					3	3	6					3			6		9	3	2
																4			4		7		0

Training												Extension activities											
Number of Courses												Number of 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
72	72	2020	2	16	-	-	113	459	1	6	2	34	40	1740	2	53	-	-	44	73	6	1	1
			5	9			7		3	2	0				3	9			1	4	7	2	9
			5						9	8	2				6						7	7	5
									2		0										3	3	0

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
36	29	1 8 0 0	23 6	28 9	-	-	441	4 8 4	6 7 7	7 7 3	30	30	1 0 0	30 0			60 0	50 0			1 5 0 0

Seed production (q)											Planting material (in Lakh)										
Target											Target										
298											1,33,375										

Livestock strains and fish fingerlings produced (in lakh)*											Soil, water, plant, manures samples tested (in lakh)										
Target											Target										
Poultry Bird:0.0955 Fingerlings: 3.79											0.02										

* 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	5		3	6.79	6.0		
Seminar/conference/ symposia papers	4	80					
Books	8	658					
Bulletins	4						
News letter	3	1500					
Popular Articles	8	Mass					
Book Chapter							
Extension Pamphlets/ literature	12	800					
Technical reports	2						
Electronic Publication (CD/DVD etc)	2	724					
TOTAL	48	3762					

3.1 Achievements on technologies assessed and refined

OFT

OFT-1

1 .	Title of On farm Trial	Assessment of Integrated Nutrient Management in Okra.
2 .	Problem diagnosed	Low yield
3 .	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: Application of 150 kg. Nitrogen, 50 kg. Phosphorous, 75 kg. Potash, Azotobactor, Azospirillum, PSB @ 2.5 kg. each and soil application of borax 10 kg. per ha. TO-2 STBF+seed treatment with Arka Microbial Consortium @10gm/100gm seed +soil application with 5kg AMC mixed with 500kg FYM
4 .	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IARI Annual report-2008 and Technical Bulletin of IIHR-2012
5 .	Production system and thematic area	Vegetable- Vegetable, Integrated Nutrient Management
6 .	Performance of the Technology with performance indicators	Plant height (cm), Days to first flowering, fruit length(cm), No. of fruits per plant, yield(kg)/plant, Yield(q/ha)
7 .	Final recommendation for micro level situation	STBF+ seed treatment with Arka Microbial Consortium @10gm/100gm seed +soil application with 5kg AMC mixed with 500kg FYM recorded maximum yield in kharif Okra
8 .	Constraints identified and feedback for research	-
9 .	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmers end as they got better income due to higher yield.

Thematic area: Integrated Nutrient Management

Problem definition: Low yield due to improper nutrient management

Technology assessed: **TO-1:** Application of 150 kg. Nitrogen, 50 kg. Phosphorous, 75 kg. Potash, Azotobactor, Azospirillum, PSB @ 2.5 kg. each and soil application of borax 10 kg. per ha.

TO-2 STBF+ seed treatment with Arka Microbial Consortium @10gm/100gm seed +soil application with 5kg AMC mixed with 500kg FYM

Table: 1

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
		Plant height at 75DAS (cm)	Days to first flowering	Fruit length (cm)	No. of fruits per plant					
FP	7	72.6	44.46	12.8	11.40	104.8	64600	157200	92600	2.43
TO-I	7	86.24	42.24	13.7	12.60	112.6	68200	168900	100700	2.47
TO-II	7	92.18	40.61	14.0	15.20	118.2	68800	177300	108500	2.57

Results: STBF+ seed treatment with Arka Microbial Consortium @10gm/100gm seed +soil application with 5kg AMC mixed with 500kg FYM gave higher yield(118.2 q/ha) and B:C ratio(2.57)

OFT-2

1.	Title of On farm Trial	Assessment of Integrated Nutrient Management in Betel vine
2.	Problem diagnosed	Low leaf yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: STBR+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha. TO-II: STBR(50%)+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha+ consortia of Azotobacter, Azospirillum & PSM each @ 4kg/ha inoculated to 300kg of VC, mixed with 15kg lime, incubated at 30% moisture for a week & applied in rhizosphere
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SAU-Annual Report and AICRP on MAP & B, 2012-13
5.	Production system and thematic area	Betel vine- Betel vine, Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	Vine length (cm), No. of leaves/vine, leave yield(lakh/ha), B:C ratio

7.	Final recommendation for micro level situation	STBR(50%)+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha+ consortia of Azotobacter, Azospirillum & PSM each @ 4kg/ha inoculated to 300kg of VC, mixed with 15kg lime, incubated at 30% moisture for a week & applied in rhizosphere gives higher leaf yield in betel vine cultivation.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmers end as they got better income due to higher yield.

Thematic area: Integrated Nutrient Management

Problem definition: Low leaf yield due to improper nutrient management.

Technology assessed: Technology option-I (TO-I): STBR+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha.

Technology option-II (TO-II): STBR(50%)+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha+ consortia of Azotobacter, Azospirillum & PSM each @ 4kg/ha inoculated to 300kg of VC, mixed with 15kg lime, incubated at 30% moisture for a week & applied in rhizosphere

Table: 2

Technology option	No. of trials	Yield component					Leaf yield/ha (lakh)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Vine length (cm)	No. of leaves/vine	Lateral s/ vine	Leaf length (cm)	Leaf breadth (cm)					
FP	7	205.82	49.91	12.60	12.52	9.22	27.32	6,78,800	16,39,200	9,60,400	2.41
TO-I	7	212.42	56.36	14.30	14.43	11.78	31.46	6,96,400	18,87,600	11,91,200	2.71
TO-II	7	221.31	67.41	15.50	14.89	12.18	33.80	7,32,500	20,28,000	12,95,500	2.76

Results: STBR(50%)+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha+ consortia of Azotobacter, Azospirillum & PSM each @ 4kg/ha inoculated to 300kg of VC, mixed with 15kg lime, incubated at 30% moisture for a week & applied in rhizosphere in betel vine cultivation gave higher leaf yield(33.80lakh/ha) and B:C ratio(2.76).

OFT-3

1.	Title of On farm Trial	Assessment of fruit fly management in Bitter-gourd
2.	Problem diagnosed	Low yield of bitter gourd due to high infestation of fruit flies,
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	(TO-1): Soil application of Chlorpyrifos 1.5% dust @ 25kg/ha at 30 DAG, application of poison bait (Jaggery 100gm + Cartap hydrochloride 2g + water 1.0L), Cuelure @ 20 nos./ha., Periodical removal of damaged fruits (TO-2): Placement of Food bait @ 20 nos./ha (mixture of 1kg cucumber pulp + 50g jaggery, 100 ml cow urine, 0.5L of water soaked overnight & diluted to 05L + 10 ml Malathion) at 20 DAS, installation of Cuelure @ 25 nos./ha and spraying of Spinosad 45% SC @ 200 ml/ha twice at 45 & 60 DAS
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	(Source : RRTTS, Ranital, OUAT, 2019) (Source : RRTTS, BBSR, OUAT, 2022-23)
5.	Production system and thematic area	Rice - Vegetable, IPM
6.	Performance of the Technology with performance indicators	No. of flies/ trap/week, Fruit infestation (%) at each harvest (both number & weight basis), Yield, ICBR
7.	Final recommendation for micro level situation	Spraying alternately with Chlorantraniliprole 20 % SC @ 150 ml/ha, Cartap hydrochloride 50% SP @ 1000 g/ha & Triflumezopyrim 10 % SC @ 240 ml/ha at 25, 50 and 65 DAT reduces stem borer infestation and gives higher yield.
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Farmers are very much interested to spray 3 times for reducing stem borer infestation.

Thematic area: IPM Problem definition: Low yield due to high infestation of fruit fly

Technology assessed: (TO-1): Soil application of Chlorpyrifos 1.5% dust @ 25kg/ha at 30 DAG, application of poison bait (Jaggery 100gm + Cartap hydrochloride 2g + water 1.0L), Cuelure @ 20 nos./ha., Periodical removal of damaged fruits
(TO-2): Placement of Food bait @ 20 nos./ha (mixture of 1kg cucumber pulp + 50g jaggery, 100 ml cow urine, 0.5L of water soaked overnight & diluted to 05L + 10 ml Malathion) at 20 DAS, installation of Cuelure @ 25 nos./ha and spraying of Spinosad 45% SC @ 200 ml/ha twice at 45 & 60 DAS

Table: 1

Technology option	No. of trials	% Dead heart	% White Ear head	Yield (q/ha)	% Change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	10	9.55	8.08	37.79		49900	77092	27192	1.54
TO-I	10	4.19	3.10	42.25	11.80	51400	86190	34790	1.67
TO-II	10	4.0	2.81	45.45	20.26	53500	92718	39218	1.73

Results: Spraying alternately with Chlorantraniliprole 20 % SC @ 150 ml/ha, Cartap hydrochloride 50% SP @ 1000 g/ha & Triflumezopryrim 10 % SC @ 240 ml/ha at 25, 50 and 65 DAT reduces stem borer infestation.

OFT-4

1.	Title of On farm Trial	Assessment of Integrated management practices against YVMV disease of Green gram during Rabi season.
2.	Problem diagnosed	Low yield due to lack of awareness on IPM practices for YVMV.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	(TO-1): Seed treatment with Thiomethoxam 25WG @ 5g/kg seed followed by installation of Yellow sticky trap @ 50 traps/ha and spraying of Acetamiprid @0.03% twice at 30 DAS and after 15 days interval (TO-2): Seed treatment with Imidacloprid 600 FS @ 5ml/kg seed followed by installation of Yellow sticky trap @ 50 traps/ha and spraying of Neem oil @0.15% at 30 DAS and need based spraying of Diafenthuriun 50 WP @ 0.1 % at 45 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OUAT SLREC Proceedings,2019 OUAT Annual Report,2020-21
5.	Production system and thematic area	Rice-Green gram , IPM
6.	Performance of the Technology with performance indicators	No. of plants infected, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Seed treatment with Imidacloprid 600 FS @ 5ml/kg seed followed by installation of Yellow sticky trap @ 50 traps/ha and spraying of Neem oil @0.15% at 30 DAS and need based spraying of Diafenthuriun 50 WP @ 0.1 % at 45 DAS reduces whitefly infestation and check YVMV disease effectively.
8.	Constraints identified and feedback for research	-

9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Farmers are very much interested to adopt IPM for reducing whitefly infestation.
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Thematic area: IPM

Problem definition: Low yield due to high incidence of YVMV.

Technology assessed: (TO-1): Seed treatment with Thiomethoxam 25WG @ 5g/kg seed followed by installation of Yellow sticky trap @ 50 traps/ha and spraying of Acetamiprid @0.03% twice at 30 DAS and after 15 days interval

(TO-2): Seed treatment with Imidacloprid 600 FS @ 5ml/kg seed followed by installation of Yellow sticky trap @ 50 traps/ha and spraying of Neem oil @0.15% at 30 DAS and need based spraying of Diafenthuriun 50 WP @ 0.1 % at 45 DAS

Table: 1

Technology option	No. of trials	% affected plants	Yield (q/ha)	% Change in yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	10	19.0	4.2		20300	29400	9100	1.44
TO-I	10	6.3	5.3	26.19	21500	37100	15600	1.72
TO-II	10	4.2	6.1	45.23	21800	42700	20900	1.95

Results: Seed treatment with Imidacloprid 600 FS @ 5ml/kg seed followed by installation of Yellow sticky trap @ 50 traps/ha and spraying of Neem oil @0.15% at 30 DAS and need based spraying of Diafenthuriun 50 WP @ 0.1 % at 45 DAS reduces whitefly infestation and check YVMV disease incidence.

OFT-5

1.	Title of On farm Trial	Assessment on value added products from oyster mushroom for higher income
2.	Problem diagnosed	Low income from Oyster Mushroom due to less price of fresh products
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or	Technology option-I (TO-I): Preparation of mushroom powder. Technology option- II (TO-II): Drying of mushroom

	Refined)	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	KVK, Palamau , 2012
5.	Production system and thematic area	Mushroom-Mushroom
6.	Performance of the Technology with performance indicators	Shelf life (Days),Sensory evaluation, additional income (Rs/-) B:C ratio
7.	Final recommendation for micro level situation	Yield of mushroom is better with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmwomen are interested to adopt this technology

Thematic area: Mushroom cultivation

Problem definition: Low income from Oyster Mushroom due to less price of fresh products

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

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

Table: 1

Technology option	No. of trials	Production/unit (10 beds)	Biological efficiency(%)	Cost of input(Rs/)	Incremental income (Rs/)	Net Income (Rs/)	BC Ratio
FP	7	8	8	800	1440	640	1.8

TO-I	7	9.23	9.23	870	1661	791	1.9
TO-II	7	12	12	900	2160	1210	2.4

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

OFT-6

1.	Title of On farm Trial	Assessment of value added products of tomato for income generation
2.	Problem diagnosed	Distress sale of tomato at peak season and non availability of storage unit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technology option-I (TO-I): Preparation of tomato puree with adding glacial acetic acid and sodium benzoate as preservatives. Technology option- II (TO-II): Preparation of tomato powder by washing, cutting slices (5mm) and drying @ 180° C for 10 hrs. The dehydrated pieces were grind into powder. It can be safely stored upto 9 months.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Post harvest Technology Centre, TNAU, 2015
5.	Production system and thematic area	Value addition
6.	Performance of the Technology with performance indicators	Cost of cultivation, Additional income over additional investment, yield (Rs/Kg), B:C ratio
7.	Final recommendation for micro level situation	It can be safely stored upto 9 months
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Farmwomen are interested to adopt this technology

Thematic area: Value addition

Problem definition: Distress sale of tomato at peak season and non availability of storage unit

Technology assessed: Technology option-I (TO-I): Preparation of tomato puree with adding glacial acetic acid and sodium benzoate as preservatives.

Technology option-II (TO-II): Preparation of tomato powder by washing, cutting slices (5mm) and drying @ 180° C for 10 hrs. The dehydrated pieces were grind into powder. It can be safely stored upto 9 months.

Table: 1

Technology option	No. of trials	Keeping quality (days)	Cost of cultivation(Rs/ per 10 kg)	Gross return	Net return	B:C Ratio
FP	7	5	50	80	30	1.6
TO-I	7	180	70	200	130	2.85
TO-II	7	270	80	240	160	3.0

Results: his technology was highly appreciated by SHG group members as the method of preparation is very easy and its shelf life is more

OFT-7

1.	Title of On farm Trial	Assessment of Sulphur and Boron for higher yield in cauliflower
2.	Problem diagnosed	Low curd keeping quality, flavour and yield due to secondary and micro nutrient deficiency
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: STB R(NPK) + Sulphur @ 30 kg ha ⁻¹ as basal application TO-2: STBR (NPK) + Sulphur @ 30 kg ha ⁻¹ + 1 kg Boron as basal application TO-3: STBR (NPK) + 1 kg Boron as basal application
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Secondary and Micronutrient and Pollutant Element, OUAT, Bhubaneswar, Odisha, 2017
5.	Production system and thematic area	Rice-Green/Black Gram/ Vegetables& Nutrient Management
6.	Performance of the Technology with performance indicators	Curd weight (gm), plant spread (cm), no. of days harvesting, soil test value (before sowing and after harvesting)
7.	Final recommendation for micro level situation	STBR (NPK) + Sulphur @ 30 kg ha ⁻¹ + 1 kg Boron as basal application is recommended for higher yield in cauliflower.

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

Thematic area: Nutrient management

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

Technology assessed: TO-1: STBR (NPK) + Sulphur @ 30 kg ha⁻¹ as basal application

TO-2: STBR (NPK) + Sulphur @ 30 kg ha⁻¹ + 1 kg Boron as basal application

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

Table: 1

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
		Curd weight(g)					
FP	7	432	252	75400	174200	98800	2.31
TO-I	7	540	268	77200	219400	142200	2.84
TO-II	7	620	288	78400	240800	162400	3.07
TO-III	7	542	272	76200	223000	146800	2.92
CD(0.05)			14.80				

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

OFT-8

1.	Title of On Farm Trial	Assessment of sulphur management in rice
2.	Problem diagnosed	Low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: Soil Test Based Recommendation (STBR) NPK TO-II: STBR NPK + FYM 5t/ha + Sulphur @ 30 kg/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Directorate of Research, OUAT, Bhubaneswar, Odisha, 2016-17
5.	Production system and thematic area	Rice-Green/Black Gram & Nutrient Management
6.	Performance of the Technology with performance indicators	Initial and after harvest soil test value, Plant height (cm), No. of tillers per hill, No. of effective tillers per m ² , LAI, No. of filled grain per panicle, Panicle length (cm), panicle weight (g), 1000 grain weight (gm), Cost of intervention. Additional

		income over additional investment Yield (q ha^{-1}), B:C ratio
7.	Final recommendation for micro level situation	STBR NPK + FYM 5t/ha + Sulphur @ 30 kg/ha gives better yield
8.	Constraints identified and feedback for research	STBR NPK + FYM 5t/ha + Sulphur @ 30 kg/ha resulted 17.73% better yield than FP
9.	Process of farmers participation and their reaction	Active participation of farmer from planning to execution. Encouraging response from the farmer end as they got better price due to higher yield.

Thematic area: Nutrient management

Problem definition: Low yield

Technology assessed: Technology option-I (TO-I): Soil Test Based Recommendation (STBR) NPK

Technology option-II (TO-II): STBR NPK + FYM 5t/ha + Sulphur @ 30 kg/ha

Table:

Technology option	No. of trials	Yield component			Plant height (cm)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/m ²	Panicle length (cm)	Test wt. (1000 grain wt.)						
FP	7	256	19.8	21.0	97.5	39.7	49500	80988	31488	1.63
TO-I	7	298	21.8	21.7	102.8	43.2	50500	88120	37620	1.74
TO-II	7	311	23.9	22.2	106.0	46.8	53000	95472	42472	1.80
CD (0.05)						13.95				

Results: STBR NPK + FYM 5t/ha + Sulphur @ 30 kg/ha as basal application gives highest yield and B:C ratio.



3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

[illegible]

[illegible]

			4ml/10lit. if needed												
7	Cabbage	Integrated Pest Management	Growing of mustard as trap crop 16:1 ratio, 15 days before transplanting of main crop + Pheromone trap @ 25 traps/ha and alternate spraying of Neem oil 5% and Spinosad 45SC @ 125ml/ha	2.0	2.0										
8	Tomato	Integrated Pest Management	Removal of alternate host, growing of seedlings in protected cultivation, alternate spraying of Cartap hydrochloride 50 SP @ 2gm/ ltr of water & Spinosad 45 SC @ 1ml/ 3 ltr of water at 10 days interval	2.0	2.0										
9	Rice	Nutrient Management	STBR NPK + 5t FYM ha ⁻¹ + Zn @ 2.5 kg ha ⁻¹	2.0	2.0	3	-	-	-	7	-	10	-	10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Chilli	Rabi	irrigated	Alluvial soil	168-295	11.05-20.16	146-330	Cucumber/Bitter gourd	07.10.22-15.10.22	15.02.23-10.03.23	216.8	11
Bittergourd	Kharif	Rainfed	Alluvial soil	168-295	11.05-20.16	146-330	Cauliflower/Cabbage	23.07.22-30.07.22	24.09.22-30.09.22	480.8	20.2

Tomato	Rabi	irrigated	Alluvial soil	168-295	11.05-20.16	146-330	Cucumber/Bit ter gourd	07.10.22-15.10.22	15.01.23-28.02.23	216.8	11
Brinjal	Kharif	Rainfed	Alluvial soil	168-295	11.05-20.16	146-330	Cauliflower/ Cabbage	12.07.22-16.07.22	15.11.22-10.12.22	480.8	20.2
Rice	Kharif	Rainfed	Alluvial soil				rice/ greeng ram	15.07.22-20.07.22	15.12.22-25.12.22		
Brinjal	Rabi	irrigated	Alluvial soil				Cauliflower/ Cabbage	15.07.22-18.07.22	15.11.22-10.12.22		
Cabbage	Rabi	irrigated	Alluvial soil				Cucumber/Bit tergourd	15.10.22-18.10.22	15.12.22-19.12.22		
Tomato	Rabi	irrigated	Alluvial soil				Cucumber/Bit tergourd	07.10.22-15.10.22	15.01.23-28.02.23		

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology	No. of Farmers	Area (ha)	Yield (q/ha)	% Increase	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)
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[illegible]

* 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

[illegible]

* 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
Chilli	Integrated crop management	Demonstration of Chilli hybrid Arka Khyathi	10	1.0	226.4	188.2	20.09	Plant height at 120 DAT-95.42 cm Yield/plant-1.37 kg	Plant height at 120 DAT-78.16 cm Yield/plant-0.96 kg	78800	224400	145600	2.84	74200	188200	114000	2.53
Bittergourd	Nutrient Management	Demonstration on Application of Micro-nutrients mixture in Bittergourd	10	1.0	612.6	516.4	18.62	Vine length at 120DAS-316.50 cm Yield/vine (kg)-1.587	Vine length at 120DAS-243.13 cm Yield/vine (kg)-1.075	79600	183780	104180	2.30	76200	154920	78720	2.13
Tomato	Integrated crop management	Demonstration of Tomato hybrid Arka Abhed	10	1.0	438.6	386.2	13.56	Plant height(cm) at 120 DAT-86.55 Days to 1 st flowering-20.27	Plant height(cm) at 120 DAT-64.21 Days to 1 st flowering-19.16	69200	175440	106240	2.53	68600	154480	85880	2.25
Brinjal	Integrated Nutrient Management	Demonstration of Integrated Nutrient Management in Brinjal	10	1.0	296.8	252.4	17.59	Plant height(cm) at 90 DAT-48.36 Days to 1 st flowering-42.32	Plant height(cm) at 90 DAT-41.22 Days to 1 st flowering-49.24	76,400	178080	101680	2.33	74,600	151440	76840	2.03
Rice	Integrated Disease Management	Demonstration of Management practices against neck blast in rice	10	2.0	48.75	41.34	17.92	% infected panicles/sq. mt 3.4	% infected panicles/sq. mt 19.2	52600	99450	46850	1.89	50900	84334	33434	1.65

Brinjal	Integrated Pest Management	Demonstration of Bio intensive management of Brinjal fruit and shoot borer	10	2.0	302	244	23.77	%shoot damage-4.65, % fruit damage-6.61	%shoot damage-15.90, % fruit damage-28.65	85200	248024	162824	2.91	81200	208320	127120	2.56
Cabbage	Integrated Pest Management	Demonstration of Integrated management practices for DBM in Cabbage	10	2.0	268	194.6	37.71	No. of larvae / plant-2	No. of larvae / plants12	74200	160800	86600	2.16	72500	116760	44260	1.61
Tomato	Integrated Pest Management	Demonstration of Integrated pest management against serpentine leaf minor in tomato	10	2.0	272	220	23.63	%leaf infestation-6.50	%leaf infestation-24.2	65400	190400	125000	2.91	61200	154000	92800	2.51
Total			80														

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology	No. of Farmer	No. of	Major parameters	% change in major	Other parameter	*Economics of demonstration (Rs.)	*Economics of check (Rs.)
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		demonstrated		units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	Species diversification	Demonstration on Mixed culture of Amur Carp along with other carps	10	5	34q/ha (fish)	20q/ha(Fish)	70%	Around80- 100gms/month	50- 60gms/month	130000	450000	320000	2.46	70000	170000	100000	1.42
Mussels																	
Ornamental fishes																	
Integrated farming system)	Integrated farming system	Demonstration on Integrated FishFarming	10	5	32q/ha (fish)	20q/ha(Fish)	60%	2q/ha(meat),200no(egg)	-	100000	350000	250000	3.50	70000	170000	100000	1.42
Fingerling production	Fingerling production	Demonstration on Stunted Fingerling Production	10	3	100q/ha (stunted fingerlings)	60q/ha (table size fish)	40%	60%	40%	70000	400000	290000	4.71	60000	250000	190000	3.1
Value addition	Value addition	Demonstration on CIFTEQ fish pickle	10	1	Shelf life: 6-8mont	-	100%	Good score in organoleptic evaluation		1800/5kg	3300/5kg	1500	1.83	-	-	-	-
	Total																

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

** BCR= GROSS RETURN/GROSS COST

Other 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			
				Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Blue Oyster mushroom Cult.	10	200 beds	23kg/ 10 beds	20kg/ 10 beds	15	B.E (%)= 115 Wt. of fruit= 50 gm	B.E (%)= 100 Wt. of fruit= 40 gm	400	1840	1440	4.6	400	1600	1200	4

Paddystraw mushroom	Paddystraw mushroom cult.by using loose straw	10	200 Beds	8kg/10 beds	10kg/10 beds	-20	B.E (%)= 16 Wt. of straw= 50 kg	B.E (%)= 10 Wt. of straw= 100 kg	800	1800	1000	2.25	600	1440	840	2.4
Vegetable	Nutritional garden	10	0.02	530	937	76	Vegetable consumption (gm/Day)= 290	Vegetable consumption (gm/Day)= 165	3300	5300	2000	1.6	4500	9370	4870	2.08
Vermicompost	Composting cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8'x4'x2.5' with release of earthworm (variety: <i>Eisenia foetida</i>) @ 1.0kg per quintal of waste material	07	07	Yield: 12q/bed/year	-	100	Total N:P:K (%) = 1.45:0.71:1.19 CN Ratio: 15.87	-	18000	7500	10500	2.40	-	-	-	-
Total		37														

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									
Power Weeder	Brinjal	Weeding by dryland power weeder	10	1 ha	5	35	650 labour saving	30	12000	Power Weeder	Brinjal	Weeding by dryland power weeder	10	1 ha	5
Self-propelled rice transplanter	Rice	Transplanting using self-propelled transplanter	10	1 ha	4	38	850% labour saving	34	13600	Self-propelled rice transplanter	Rice	Transplanting using self-propelled transplanter	10	1 ha	4

* 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: NA

[illegible]

[illegible]

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

Good quality photographs of FLDs



Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Chilli	Chilli var. Arka Khyathi gives higher yield, More return, liked by people, suitable for local market, tolerant to mosaic and wilt disease.
2.	Bittergourd	Foliar application of micro-nutrient mixtures in Bitter gourd increased the size of fruit, reduced deformity shape and yielded more, more demand in market.
3.	Tomato	Tomato var. Arka Abhed gives higher yield, No wilt and leaf curling seen, more demand in Cuttack and Paradeep market.
4.	Brinjal	Integrated Nutrient Management gives more yield, duration of fruiting increased, fruit size is bigger and fruit colour is bright.
5.	Rice	Application of STBR NPK + 5t FYM ha-1 + Zn @ 2.5 kg ha-1 although increased input cost it led to substantial increase of income through less incidence of Khaira disease and increase in production
6.	Brinjal	STBR NPK + inoculation with OUAT consortia bio-fertilizers to pre-lime (5%) 300 kg FYM (1:25) incubated for 7 days at 30% moisture and applied in the rhizosphere at the time of transplanting increased the yield and fruit size and farmers accepted the technology
7	Tomato	Good quality of tomatoes with flavored was experienced. Application of sulphur overcome this problem and enhanced yield was obtained
8	Oyster mushroom	Yield of blue oyster is better than other species of Oyster during low temperature, so they are demanding easily availability of this type of spawn due to additional income for their families
9	Paddy straw mushroom	: Farm women are delighted by using loose straw as a byproduct of mushroom cultivation because previously it is used for only cattle feed & fuel purposes. It is cost effective as it reduces cost of cultivation. Demanding development of technology to minimize infection of mushroom raised in loose straw.
10	Nutritional garden	It gives nutrition security for their family members and rotation wise proper utilization of backyard space
11	Vermicompost	In their traditional method, they were not getting good quality of compost for farm use, but using suggested technology including the release of earthworm, they got good quality of compost in granular form(cocoons).They are also using this compost in their backyard farm as well as in cultivable field.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	2,11,2023,6.12.2023,16.12.2023,28.12.2023	4	200	Rice,BPH in Paddy,Mushroom,Biofloc
2.	Farmers Training	31.07.2023,10.08.2023,11.08.2023,14.08.2023,16.08.2023,04.09.2023,13.09.2023,12.10.2023,20.10.2023,02.11.2023	11	330	Nutritional garden,Mushroom cultivation,Integrated Fish Farming,Millet cultivation,rice,Farm mechanization
3.	Media coverage	5.12.2023	1	200	World soil day
4.	Training for extension functionaries	19.11.2023-20.11.2023	1	20	Soil health card use and nutrient management in Greengram crop

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

1. Performance of the demonstration: Groundnut

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Groundnut	AK-12-24	16.40	276	296	860	Seed treatment with carbendazim + mancozeb @2gm/kg seed and Line sowing, spraying of neem based pesticides, installation of yellow sticky trap for white fly and blue sticky trap for thrips and leaf miner, installation of pheromone trap for tobacco caterpillar, release of trichocards for leaf	25	10	24.2	18.8	21.4	11.69	10.53	-14.4

							eating caterpillars and spraying of need based pesticides . (profenophos + cypermethrin)								
--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Seed treatment with carbendazim + mancozeb @2gm/kg seed and Line sowing, spraying of neem based pesticides, installation of yellow sticky trap for white fly and blue sticky trap for thrips and leaf miner, installation of pheromone trap for tobacco caterpillar, release of trichocards for leaf eating caterpillars and spraying of need based pesticides. (profenophos + cypermethrin)	46480	82400	51920	1.77	50800	107000	56200	2.10

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/household)
1	Groundnut (Amravati)	20960	748.4	50	1500	750	Domestic Expenditure, Social rights, Land Development	80

D. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Seed treatment with carbendazim + mancozeb @2gm/kg seed and Line sowing, spraying of neem based pesticides, installation of yellow sticky trap for white fly and blue sticky trap for thrips and leaf miner, installation of pheromone trap for tobacco caterpillar, release of trichocards for leaf eating caterpillars	Easily adoptable	Good	Normal	No	Yes	Improved seed availability in time

and spraying of need based pesticides. (profenophos + cypermethrin)						
---	--	--	--	--	--	--

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Kadiri amaravati (Groundnut variety)	Tolerant to early and late leaf spot, drought, sucking pest(thrips and jassids) oil content 50%	30.48% increase yield over local check	Medium duration 105-110 days, good yield performance, suitable for Rabi

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training on improved package and practices of Groundnut cultivation	10.01.2023 (kalikuda village of Kujanga block)	25
2.	Field day on Groundnut cultivation	21.03.2023 (kalikuda village of Kujanga block)	30
3.			

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





9. Farmers' training photographs



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



11. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	
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GROUNDNUT	i) Critical input		
	ii) TA/DA/POL etc. for monitoring		
	iii) Extension Activities (Field day)etc		
	iv)Publication of literature ,flex, boards &banners.		
	Total	1,20,000	

CLUSTER FRONTLINE DEMONSTRATION OF RABI PULSES (GREENGRAM)(2022-23) PERFORMANCE DATA REPORTING FORMAT KVK

WISE

1. Performance of the demonstration: GREENGRAM

B. Technical Parameters:

Sl · No.	Crop demonst rated	Existi ng (Farm er's) variet y name	Exist ing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technol ogy demonst rated	Num ber of farm ers	Ar ea in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				Dist rict yiel d (D)	St ate yie ld (S)	Pote ntial yield (P)				M ax.	Mi n.	A v.	D	S	P
1	Greengram	Local	4.2	82	81	380	Improved seeds(Virat), Seed treatment with (Rhizobium culture) @ 20gm/kg seed, spraying of multi neem @5ml/ltr, installation of yellow sticky trap @ 50traps/ha , Release of <i>trichogramma chilonis</i> 50,000 eggs/ha	25	10	5.8	4.6	5.4	7.56	7.78	-32.50

							and spraying of thiometho xam @ 5 gm / 15 lts. of water & spraying of other need based pesticides.								
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

G. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
01.	Improved seeds(Viraat), Seed treatment with (Rhizobium culture) @ 20gm/kg seed, spraying of multi neem @5ml/ltr, installation of yellow sticky trap @ 50traps/ha, Release of <i>trichogramma chilonis</i> 50,000 eggs/ha and spraying of thiomethoxam @ 5 gm / 15 lts. of water & spraying of other need based pesticides.	20100	29400	9300	1.46	22340	37800	15460	1.69

H. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtain ed (kg)	Produce sold (Kg/househ old)	Sellin g Rate (Rs/K g)	Produce used for own sowin g (Kg)	Produce distribut ed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/ho use hold)
01.	Greengram,(V irat)	5400	210	70	100	50	Domestic (for	15

							fulfilling the family requirements)	
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I. 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
01.	Improved seeds(Viraat), Seed treatment with (Rhizobium culture) @ 20gm/kg seed, spraying of multi neem @5ml/lt, installation of yellow sticky trap @ 50traps/ha, Release of <i>trichogramma chilonis</i> 50,000 eggs/ha and spraying of thiomethoxam @ 5 gm / 15 lts. of water & spraying of other need based pesticides.	Easily adoptable	Good	Normal	No	Yes	Improved seed availability in time with early sowing before 15 January

J. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Seed treatment is successful in controlling diseases	Quite successful in controlling seed borne diseases	No seed treatment was done in local practice	Satisfied with the technology
Disease and pest	Manage the pest load	Satisfactory	Eco-friendly

control is very successful			
Yield is more as compare to local variety	Yield is good	28.57% increase yield over local check	Satisfied with the yield

K. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training on improved package and practices of Greengram cultivation	01.02.2023 Bhansar village of Tirtol block	25
02	Field day on Greengram cultivation	29.03.2023 Bhansar village of Tirtol block	30

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



9. Farmers' training photographs





Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
1.Greengram	i) Critical input		81,000	-
	ii) TA/DA/POL etc. for monitoring (POL)		3,086	-
	iii) Extension Activities (Field day, Training, flex and boards.)		4,714	-
	iv) (Audit charges)		1,200	-
	Total	90,000	90,000	-

A) Farmers and farm women (on campus)

[illegible]

[illegible]

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	0	12	12	0	8	8	0	0	0	0	20	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production	1	8	4	12	4	4	8	0	0	0	12	8	20
Vermiculture	2	25	12	37	3	-	3	-	-	-	28	12	40
Mushroom Production	1	08	10	18	0	02	02	0	0	0	08	12	20
Beekeeping	1	17	0	17	3	0	0	0	0	0	20	0	20
Sericulture													
Repair and maintenance of farm machinery and implements	1	20	0	20							20	0	20
Value addition	1	08	10	18	0	02	02	0	0	0	08	12	20
Small scale processing													
Post Harvest Technology	1	10	10	20							10	10	20
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	4	16	20							4	16	20

[illegible]

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	1	18	0	18	2	0	2	0	0	0	20	0	20
Integrated Nutrient management	2	28	2	30	4	6	10				32	8	40
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs	1	12	3	15	3	2	5	0	0	0	15	5	20
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs	1	0	14	14	0	06	06	0	0	0	0	20	20
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	1	12	0	15	5	0	5	0	0	0	20	0	20
Livestock feed and fodder production													
Household food security													
Other													
Total	6	70	19	92	14	14	28	0	0	0	87	33	120

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others													
Total (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	2	44	-	44	4	12	16	-	-	-	48	12	60
Integrated water management	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	3	53	24	77	11	2	13	-	-	-	64	26	90
Production and use of organic inputs	3	65	12	77	8	5	13	-	-	-	73	17	90
Management of Problematic soils	3	80	-	80	10	-	10	-	-	-	90	-	90
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance Use of fertilizer	2	53	2	55	5	-	5	-	-	-	55	5	60
Soil & water testing	-	-	-	-	-	-	-	-	-	-	-	-	-
others	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	295	38	333	38	19	57	0	0	0	330	60	390
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	01	-	09	09	-	21	21	-	-	-	-	30	30
Design and development of low/minimum cost diet	01	0	25	25	0	05	05	0	0	0	0	30	30

[illegible]

[illegible]

[illegible]

G) Consolidated table (ON and OFF Campus)

[illegible]

[illegible]

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			
technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	2	44	-	44	4	12	16	-	-	-	48	12	60
Integrated water management													
Integrated Nutrient Management	3	53	24	77	11	2	13	-	-	-	64	26	90
Production and use of organic inputs	3	65	12	77	8	5	13	-	-	-	73	17	90
Management of Problematic soils	3	80	-	80	10	-	10	-	-	-	90	-	90
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Balance Use of fertilizer	2	53	2	55	5	-	5	-	-	-	55	5	60
Soil & water testing	-	-	-	-	-	-	-	-	-	-	-	-	-
others	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	295	38	333	38	19	57	0	0	0	330	60	390
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	01	-	09	09	-	21	21	-	-	-	-	30	30
Design and development of low/minimum cost diet	01	0	25	25	0	05	05	0	0	0	0	30	30
Designing and development for high nutrient efficiency diet	01	0	29	29	0	02	02	0	0	0	0	30	30
Minimization of nutrient loss in processing	01	0	28	28	0	02	02	0	0	0	0	30	30
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	01	0	27	27	0	02	02	0	0	0	0	30	30
Women empowerment													
Location specific drudgery	01	0	27	27	0	03	03	0	0	0	0	30	30

[illegible]

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-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 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	69	1097	622	1479	221	130	351	0	0	0	1348	722	2070

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	0	12	12	0	8	8	0	0	0	0	20	20
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production	1	8	4	12	4	4	8	0	0	0	12	8	20
Vermiculture	2	25	12	37	3	-	3	-	-	-	28	12	40
Mushroom Production	1	08	10	18	0	02	02	0	0	0	08	12	20

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
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	08	10	18	0	02	02	0	0	0	08	12	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	4	16	20							4	16	20
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology	1	10	10	20							10	10	20
Fry and fingerling rearing													
Others													
Total	6	56	64	120	7	6	23	0	0	0	56	64	120

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
	M	F	T	M	F	T	M	F	T	M	F	T	
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs	1	12	3	15	3	2	5	0	0	0	15	5	20

[illegible]

a) Details of training programmes for Rural Youth

[illegible]

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			

[illegible]

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

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Soil Sc.	F/FW	Green manuring in rice	01	OFF	22	08	30	4	1	5
Soil Sc.	F/FW	Management of flood and salt tolerance variety of rice crop	01	OFF	17	13	30	6	0	6
Soil Sc.	F/FW	Use of soil health card for balance dose of manure and fertilizer application	01	OFF	20	10	30	3	1	4
Soil Sc.	F/FW	Management of secondary and micronutrient deficiency in rice crop	01	OFF	15	15	30	8	03	11
Soil Sc.	F/FW	Use of biofertilizer in brinjal crop	01	OFF	24	6	30	12	0	12
Soil Sc.	F/FW	Methods of compost preparation	01	OFF	30	0	30	4	0	4
Soil Sc.	F/FW	Use of micro nutrient in Cole crops	01	OFF	24	6	30	4	4	8
Soil Sc.	F/FW	Use of secondary and micronutrient management in cucumber crop	01	OFF	22	8	30	3	2	5
Soil Sc.	F/FW	Management of acid soil	01	OFF	17	13	30	3	2	5
Soil Sc.	F/FW	Use of water	01	OFF	30	0	30	4	0	4

		soluble fertilizer in vegetable crop								
Soil Sc.	F/FW	Use of Biofertilizer in pulse crop	01	OFF	29	1	30	0	0	0
Soil Sc.	F/FW	Management of saline soil	01	OFF	27	3	30	7	1	8
Soil Sc.	RY	Technique of Vermicompost production	01	ON	20	0	20	6	0	6
Soil Sc.	RY	Technique of Soil sample collection	01	ON	16	4	20	3	1	4
Soil Sc.	IS	Use of soil health card for balance dose of manure and fertilizer application	01	ON	16	4	20	3	1	4
Fishery	F/FW	Pre-stocking management in fish culture pond	01	OFF	20	10	30	3	1	4
Fishery	F/FW	Integrated fish farming	01	OFF	15	15	30	8	03	11
Fishery	F/FW	Culture practice of Mola along with IMC	01	OFF	24	6	30	12	0	12
Fishery	F/FW	Culture practice of Jayanti Rohu along with IMC	01	OFF	17	13	30	3	2	5
Fishery	F/FW	Culture practice of Amur carp along with IMC	01	OFF	30	0	30	4	0	4
Fishery	F/FW	Liming and manuring in fish culture pond and its importance	01	OFF	29	1	30	0	0	0
Fishery	F/FW	Culture of Freshwater prawn along with mix carp	01	OFF	27	3	30	7	1	8
Fishery	F/FW	Culture of catfishes in biofloc tank system	01	ON	20	0	20	6	0	6
Fishery	F/FW	Yearling culture and its benefits in fish farming	01	ON	27	3	30	7	1	8
Fishery	F/FW	Effective feed management in fish culture pond	01	ON	20	0	20	6	0	6

Fishery	RY	Cultural Practice of stunted fingerling production	01	ON	16	4	20	3	1	4
Fishery	RY	Preparation of value added products from Fish and Prawn	01	ON	16	4	20	3	1	4
Home Science	F/FW	Managing drudgery & occupational health hazards and women friendly farm tools and implements	01	OFC	0	30	30	0	02	02
Home Science	F/FW	Paddy straw mushroom cultivation by using loose straw	01	OFC	0	30	30	0	3	3
Home Science	F/FW	Cultivation practices of Milk mushroom	01	OFC	0	30	30	0	05	05
Home Science	F/FW	Value addition of agricultural produce for entrepreneurship development of farm women	01	OFC	0	30	30	0	02	02
Home Science	F/FW	Management of the competitive fungus (Coprinus/Ink caps)	01	OFC	0	30	30	0	3	3
Home Science	F/FW	Planning, layout and designing of nutritional garden	01	OFC	0	30	30	0	2	2
Home Science	F/FW	Preparation of value added products from major and minor millets	01	OFC	0	30	30	0	3	3
Home Science	F/FW	Using diff. substrates for Oyster mushroom cult.	01	ONC	0	30	30	0	2	2
Home Science	F/FW	Role of milk in health & household nutrition	01	ONC	0	30	30	0	3	3
Home Science	F/FW	Process of minimization of nutrient loss in food processing	01	OFC	0	30	30	0	3	3
Home Science	F/FW	Vegetable seedling raising	01	OFC	29	01	30	0	0	0

		under poly tunnel								
Home Science	F/FW	Strengthening nutritional security & enhancing income of farm families through Quail farming	01	OFC	0	30	30	0	5	5
Home Science	RY	Spawn culture preparation	01	ONC	0	20	20	-	02	02
Home Science	RY	Preparation of value added products from Oyster mushroom	01	ONC	0	20	20	-	06	06
Home Science	IS	Gender mainstreaming through SHGs	01	ONC	0	20	20	-	04	04
PP	F/FW	Methods of seed treatment in rice.	01	OFC	22	08	30	4	1	5
PP	F/FW	Application of Bio intensive measures for control of rice pests	01	OFC	17	13	30	6	0	6
PP	F/FW	Management of Sheath Blight in Rice	01	OFC	20	10	30	3	1	4
PP	F/FW	Management of white grub in Coconut	02	ONC	15	15	30	8	03	11
PP	F/FW	IPM for management of BPH in paddy.	02	ONC	24	6	30	12	0	12
PP	F/FW	Management of Neck blast in rice	01	OFC	30	0	30	4	0	4
PP	F/FW	Application of chemicals for vector control in green gram	01	OFC	24	6	30	4	4	8
PP	F/FW	Application of chemicals for vector control in Brinjal	01	OFC	22	8	30	3	2	5
PP	F/FW	Use of Botanicals & Chemicals for management of sucking pests in Chili	01	OFC	17	13	30	3	2	5

PP	F/FW	Use of control measures against Diamond Back Moth in Cabbage	01	OFC	30	0	30	4	0	4
PP	RY	Entrepreneurship development through Bee Keeping	01	ONC	18	02	20	09	01	10
PP	RY	Entrepreneurship development through Production of Organic inputs	01	ONC	17	03	20	5	1	6
PP	IS	Use of Newer molecules for management of insects pests in vegetables	01	ONC	17	03	20	5	1	6
Ag.Eng	F/FW	Field Preparation Machinery	01	OFC	22	08	30	4	1	5
Ag.Eng	F/FW	Use of Rotavator and safety measures	01	OFC	17	13	30	6	0	6
Ag.Eng	F/FW	Use of rice Transplanter	01	OFC	20	10	30	3	1	4
Ag.Eng	F/FW	Use of Power Sprayer	01	OFC	15	15	30	8	03	11
Ag.Eng	F/FW	Use of Solar Pump	01	OFC	24	6	30	12	0	12
Ag.Eng	F/FW	Use of Power Weeder for weeding	01	ONC	30	0	30	4	0	4
Ag.Eng	F/FW	Use of Tractor Operated Axial Flow Paddy Thresher	01	OFC	24	6	30	4	4	8
Ag.Eng	F/FW	Use of Mini Dal Mill	01	OFC	22	8	30	3	2	5
Ag.Eng	F/FW	Use of Mini Rice Mill	01	OFC	17	13	30	3	2	5
Ag.Eng	F/FW	Use of Coconut Dehusker	01	OFC	30	0	30	4	0	4
Ag.Eng	F/FW	Use of Groundnut Decorticator	01	OFC	29	1	30	0	0	0
Ag.Eng	RY	Use of Drip Irrigation in fruits and vegetables	01	ONC	20	0	20	4	0	4

Ag.Eng	RY	Operation and Maintenance of Micro-irrigation	01	ONC	16	4	20	3	1	4
Ag.Eng	IS	Farm Mechanization for Commercial Agriculture	01	ONC	16	4	20	3	1	4

H) Vocational training programmes for Rural Youth -NIL

a) Details of training programmes for Rural Youth

[illegible]

*training title should specify the major technology /skill transferred

b) Details of participation

[illegible]

a) Details of Sponsored Training Programme

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

[illegible]

empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

Good quality photographs of training activity:



A. Extension Activities (including activities of FLD programmes)

B. Other Extension Activities

Field Day	4	125	75	200		6	2	8	131	77	208
Kisan Mela	1	175	50	225	32	12	5	17	187	55	242
Kisan Ghosthi	3	226	74	300	26	4	2	6	230	76	306
Exhibition	6	2509	1135	3644	24	25	6	31	2534	1141	3675
Film Show	1	46	19	65	5	2	0	2	48	19	67
Method Demonstrations	26	220	40	260	12	0	0	0	220	40	260
Farmers Seminar	1	78	22	100	13	3	0	3	81	22	103
Workshop	03	160	30	190	12	02	02	04	162	32	194
Group meetings	12	175	65	240	14	0	0	0	175	65	240

Lectures delivered as resource persons	27	510	300	810	12	21	06	27	531	306	837
Advisory Services	75	45	30	75	8	42	18	60	87	48	135
Scientific visit to farmers field	128	1090	280	1370	11	0	0	0	1090	280	1370
Farmers visit to KVK	582	465	117	582	10	0	0	0	465	117	582
Diagnostic visits	35	27	08	35	6	0	0	0	27	08	35
Exposure visits	3	68	42	110	13	0	0	0	68	42	110
Ex-trainees Sammelan											
Soil health Camp	9	235	75	255	21	14	7	21	211	65	276
Animal Health Camp	01	79	30	109	18	2	1	3	81	31	112
Agri mobile clinic											
Soil test campaigns	2	95	12	107	8	3	0	3	98	12	110
Farm Science Club Conveners meet											
Self Help Group Conveners meetings											
Mahila Mandals Conveners meetings											
Celebration of important days (specify)	12	280	80	360	11	2	3	5	282	83	365
Sankalp Se Siddhi											
Swatchta Hi Sewa	16	368	174	542	3	0	0	0	368	174	542
Mahila Kisan Divas	1	0	50	50	12	0	0	0	0	50	50
Any Other (Specify)											
Total	921	5133	1459	6430	188	100	43	143	5233	1502	6573

Other extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	17
Radio talks	06
TV talks	04
Popular articles	06
Extension Literature	08
Other, if any	00

Good quality photographs of Extension activity:



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	Kalachampa,	298 Qtl.									
Pulse	Virat	Awaited									
Grand Total											

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting	Value	Number of farmers
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		materials	(Rs)	to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Brinjal	Swarna Shyamli	30,723	76,807.50	12	28	0	0	6	4	18	32
Tomato	Arka Rakshak	30592	76,480.00	16	26	0	0	4	6	20	32
Chilli	Arka Meghana	30550	76,375.00	16	24	0	0	12	8	28	32
Cauliflower	Arka Kanti	20443	51107.50	18	22	0	0	13	6	31	28
Cabbage	Konark	18400	46000.00	14	28	0	0	8	4	22	32
Drumstick	ODC - 3	1835	27,525.00	12	28	0	0	6	4	18	32
Fruits											
Mango											
Guava											
Lime											
Papaya	Red lady	832	16640.00	24	4	0	0	36	12	60	16
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Maize											
Honey		3 kg									
Paddy straw Spawn	V.volvaces	1000	15000	19	32	0	0	48	13	67	45
Blue oyster spawn	H.ulmarious	1000	15000	19	32	0	0	48	13	67	45
Total											

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity	Value (Rs.)	No. of Farmers benefitted							
	Kg		SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Vermicompost	18.26 Qtl.				0	0	29	6	47	11
Vermi (<i>Eusinia foitida</i>)	42.10 Kg.	48440	18	5						

Total	18.26 Qtl. 42.10 Kg.	48440	18	5	0	0	29	6	47	11
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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	Kadaknath,banaraj	9550									
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks	Khaki Campbell, White pekin	1700									
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings & Fry	,IMC ,Moli,koi carp	3,79,000									
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
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				

Extension Pamphlets/ literature	Krishishree-Quarterly Newsletter	KVK Jagatsinghpur	4	0
Technical reports	Annual report & Action Plan	KVK Jagatsinghpur	2	0
Electronic Publication (CD/DVD etc.)				
TOTAL				

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training	Recent Advances in Mushroom Production Technology	Sasmita Purohit Scientist (H.Sc)	10.07.2023, 11.07.2023 (2 days)	DEE,OUAT,BBSR
2.	Workshop	12 th Annual state Level Conference of Odisha Mushroom Grower's Federation	Sasmita Purohit Scientist (H.Sc)	28.11.2023	Odisha Mushroom Grower's Federation
3.	Workshop	Agri-Journalism Conclave	Sasmita Purohit Scientist (H.Sc)	11.12.2023	DEE,OUAT,BBSR
4	Regional workshop cum exhibition	PPV& FR Act 2001 on Agro biodiversity	Debasis Panda Scientist (PP)	11.05.2023 to 12.05.2023	NRRI, Cuttack
5	Workshop	State level "Plant Protection Convention"	Debasis Panda Scientist (PP)	28.06.2023	DEE,OUAT,BBSR
6	Training	"Advance technologies in Apiculture"	Debasis Panda Scientist (PP)	26.07.2023 to 27.07.2023	DEE,OUAT,BBSR
7	State level awareness programme	"Comb Honey Production Technology"	Debasis Panda Scientist (PP)	02.12.2023	DEE,OUAT,BBSR
8	Workshop	"Navigating climate change and livelihood development of farm women in India"	Debasis Panda Scientist (PP)	04.12.2023	NRRI, Cuttack

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

Name of farmer	
Address	

Contact details (Phone, mobile, email Id)	
Landholding (in ha.)	
Name and description of the farm/ enterprise	
Economic impact	
Social impact	
Environmental impact	
Horizontal/ Vertical spread	
Good quality photographs (2-3)	

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

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

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

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

Sl. No	Name of the Equipment	Qty.
1	Automatic Nitrogen Analyzer with digestion Unit	01
2	KES 08 LE	01
3	KEL VAC VA	01
4	Flame Photometer	01
5	Digital Soil Moisture Meter	01
6	Physical Balance	01
7	All Glass Double Distillation Unit	01
8	Distillation Appts Power Supply	01

9	PH Meter-Micro Controller	01
10	Conductivity Meter	01
11	Rotary Shaker	01
12	Flask Holding Clamp	01
13	Mechanical Stirrer	01
14	Bouycocus Hydrometer	01
15	Hot Air Oven (Digital)	01
16	Thermometer	01
17	Water Quality Analyzer	01
18	Vortex Shaker	01
19	Magnetic Stirrer with Hot Plate	01
20	Wooden Geological Hammer	01
21	Sieve Brassframe	01
22	Keen Cup	01
23	Soil Moisture Sample Box	01
24	Soil Agar Screw Type	01

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
0	952	952	3324	26	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 & Distribution of SHC	200	20	Dist. Collector Parul Pattawar, ATMA chairman	50	50

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
06	56

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
19.04.2023	Srikanta Prusty, Special secretary to Govt.Handlooms, Textiles & Handicrafts	Special review
22.04.2023	Parul Patawari, Hon'ble Collector & DM, Jagatsinghpur	Celebration of Akshya Tritiya at KVK,Campus
21.07.2023	Dr. M.K.Das,Policy Research and capacity building export,center for enviornment ,Bhubaneswar	Visit
04.08.2023	Dr. Sujata Priyambada Parida, Deputy Director Statistics, Dept. of Agriculture & farmer Empowerment	Special review
05.09.2023	Dr. Hemant Ku, Sahoo,JDE,DEE,OUAT	Official visit
28.11.2023	Prof. Dr. Pravat Ku Roul,Hon'ble VC,OUAT,BBSR	Attended Cheritola Baliyatra as a chief speaker.
13.12.2023	Prof. Amaresh Khuntia, JDE,OUAT, Bhubaneswar	Attended 19 th SAC as Chairman

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)
Demonstration of herbicide Oxyfluorfen (Zargon) in Okra	70	60	54800/ha	64600/ha
Demonstration of Onion variety "Bhima Super"	62	40	47600/ha	60400/ha
Demonstration of French bean variety "Pusa Parvati" :	56	80	35900/ha	42200/ha
Demonstration of watermelon variety "Arka Jyothi" :	42	70	38150/ha	46500/ha
Demonstration on rearing of white pekin ducks for meat purpose	22	60	8000/100 nos	12000/100 no.
Demonstration on backyard poultry in post adverse climatic situations	170	80	6000/100 nos.	12000/no.
Demonstration of scented rice var."Nua kalajira"	16	60	46900/ha	54200/ha
Demonstration on application of Nimin coated urea in low land paddy	112	70	6000/ha	10000/ha
Demonstration of herbicide 'Oxyfluorfen' in brinjal	10	50	54800	64600
Demonstration of Marigold var."Siracole"	10	40	47600	60400

Demonstration on management of Blast in Rice	10	80	59200	74350
Demonstration on management of BPH in Rice	10	80	54400	57120
Demonstration on management of YMV in Okra	10	60	62000	74000
Demonstration on management of tobacco caterpillar in Cauliflower	10	60	54800	64600
Demonstration on zinc application in rice	10	120	39708/ha	31896/ha
Demonstration on INM in greengram	10	50	24800/ha	16490/ha
Demonstration on INM in brinjal	10	75	292200/ha	198750/ha
Demonstration on sulphur application in tomato	10	65	137150/ha	111600/ha
Demonstration of herbicide Oxyfluorfen (Zargon) in Okra	70	60	54800/ha	64600/ha
Demonstration of Onion variety "Bhima Super"	62	40	47600/ha	60400/ha

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
Demonstration of herbicide Oxyfluorfen (Zargon) in Okra	06
Demonstration of Onion variety "Bhima Super"	08
Demonstration of French bean variety "Pusa Parvati" :	07
Demonstration of watermelon variety "Arka Jyothi" :	05
Demonstration on rearing of white pekin ducks for meat purpose	4
Demonstration on backyard poultry in post adverse climatic situations	90
Demonstration of scented rice var. "Nua kalajira"	07
Demonstration on application of Nimin coated urea in low land paddy	26
Demonstration of herbicide 'Oxyfluorfen' in brinjal	9
Demonstration of Marigold var. "Siracole"	2
Demonstration on management of Blast in Rice	56
Demonstration on management of BPH in Rice	48
Demonstration on management of YMV in Okra	12
Demonstration on management of tobacco caterpillar in Cauliflower	6
Demonstration of Self propelled rice transplanter	35
Demonstration of paddy power weeder	4
Demonstration of herbicide Oxyfluorfen (Zargon) in Okra	06

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

	female. Vanaraja produces 103-110 eggs and Pallishree produces 150-160 eggs per year and age of first egg laying of these breeds is almost similar i.e. 175-180 days by the time Sri Pradhan started to brood fertile egg of both Vanaraja and Pallishree by using his local hen.
Technical Components of the Enterprise	Backyard poultry farming with rural improved breed Breed upgradation by crossing these two breeds Hatching eggs of both Vanaraja and Pallishree by using local hen Supply chicks and fertile eggs of improved rural poultry breed
Status of entrepreneur before and after the enterprise	Sri Bipin Bihari Pradhan has got a net profit of 65,245/- by selling ready bird, table egg and newly hatched chicks from each unit and first batch.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Sri Pradhan an un-employed rural youth paved the way for other un-employed youths as well as farmers and farm women to take up poultry rearing of improved breeds like Vanaraja and Pallishree as a viable rural entrepreneurship to generate low input and high output venture for sustainable livelihood development which can be achieved within a very short period of time.
Horizontal spread of enterprise	80 nos. of practicing women community from nearby 8 villages are now started backyard poultry farming with rural improved poultry breed.

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Dept of Agriculture /ATMA	Technology dissemination ,Capacity Building, Technology Sharing
Dept of Horticulture	Technology dissemination ,Capacity Building, Technology Sharing
Dept of Veterinary science	Veterinary Services, Training of farmers/ paravets, Backyard poultry farming, Animal health camp
Dept of Fisheries	Technical information, procurement of fingerlings, Linking beneficiaries of KVK
Odisha livelihood Mission	Backyard poultry farming, Small ruminant production
NABARD	Formation of Krishak club
NHM	Linking beneficiaries of KVK
ICAR-NRRI/CIFA/CHES/CTCRI/CIWA	Dairy farming,
CPDO/IPDP	Backyard poultry farming
FODDER FARM, BHUBANESWAR	Fodder slip/ roots supply, fodder cultivation
AICRP-FOODDER/POULTRY	Backyard poultry farming, fodder cultivation

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.)
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FANI work	Repair, Renovation and Reconstruction of Properties damaged due to cyclone FANI		Govt. of Odisha	49. 73655 lakhs
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(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.	Poultry	2011	100	Rainbow Rooster, Pallishree	Developed chick	6500	3,80,000	4,19,000	Developed chicks supplied for backyard rearing
2.	Goatary	2011	100	Sirohi	Breeding buck	1	10000		Due for culling / Replacement
3.	Dairy	2017	100	Cross bred cow	Milk	4350 Kg	70000	128000	
4.	Fodder	2017	2000	Hybrid Napier, Guinea, Setaria, para grass, Signal grass, Green panic, Sorghum, Maize, Cow pea	Green fodder	150 quintal	4000	8000	For feeding cows of demo unit
5.	Vermi-compost	2011	50	Vermin	compost	20	1000	10000	Used in crop cafeteria
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Pad dy	5.7.2023	15.12.2023	7	Kalachampa		30,723	24,680	76,807.50	Selling will be done in May2024
Brinjal			30,723	Swarna Shyamli		30592	28,420	76,480.00	Public sale, FLD/ OFT, SCSP
Tomato			30592	Arka Rakshak		30550	24,340	76,375.00	
Chilli			30550	Arka Meghana		20443	24,260	51107.50	
Cauliflower			20443	Arka Kanti		18400	24,460	46000.00	
Cabbage			18400	Konark					
Drumstick			1835	ODC - 3					
Papaya			832	Red lady					

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.	Vermi compost	18.26 Qtl.	17000	37900	Public sale,OFT,FLD
2	vermi	42.10 kg	-	42100	Public sale

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry Chicks	Vanaraja,Kadaknath,rainbow rooster	Day old chicks	9550 nos.			Public sale,OFT,FLD
2.	Duckling	White pekin,Khaki campbell	Day old chicks	1700 nos.			Public sale,OFT,FLD
3.	Fingerling & Fry	Amur carp,Jayanti rohu,magur	Advanced fry	3,79,000			Public sale,OFT,FLD

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)
December 23	50	1 day	Needs renovation
December 23	50	1 day	
December 23	25	1 day	
Total :	125	3 days	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:yes

No. of staff quarters:06

Date of completion:2012

Occupancy Details:

Months	Q I	Q II	Q III	QIV	Q V	QVI
January 2023 to December 2023	Filled	Filled	Filled	Filled	Filled	Filled

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

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

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

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

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

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

2019.5. Utilization of KVK funds during the year 2023-24 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	13512836	13512836	13512836
2	Traveling allowances	150000	150000	150000
3	Contingencies			

A	Recurring Cont.	10,00,000	10,00,000	10,00,000
B	SCSP	15,86,000	15,86,000	15,86,000
C				
D				
E				
F				
G				
H				
I				
J				
TOTAL (A)		1,62,78,836	1,62,78,836	1,62,78,836
B. Non-Recurring Contingencies				
1	Library	10,000	10,000	10,000
2				
3				
4				
TOTAL (B)		1,62,88,836	1,62,88,836	1,62,88,836
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		1,62,88,836	1,62,88,836	1,62,88,836

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2019-20	40,1581.3	9,71,174.00	5,91,156.49	380017.51
2020-21	3,31,598.81	1516882	842889	673993
2021-22	10,05,591.81	1677173	1221313.5	455859.5
2022-23	6,61,451.31	1283658	1138157.08	145500.92
2023-24	706952.23	1314974	1014512.16	300461.84

7.6. (i) Number of SHGs formed by KVKs

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

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

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

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
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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	5	
Livestock	3	
Fishery	4	
Weather	2	
Marketing	4	
Awareness	4	
Training information	1	
Other	0	
Total	23	16175

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	
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9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

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

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 Darsan (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)
1	Cleaning office premises, Cleaning village public places, utilize waste materials into compost pit	5	196	10	Nil

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	Mahila Kisan Divas	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/ enterprise	Leading in
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Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sanjeet Mohanty	At- Khadala G.P : Bodhei Block: Kujanga, Dist-Jagatsinghpur Mob:9439082531	Farm mechanization
2	Laxman Sethi	At-Gamhapur, P.O-Redhua Block-Raghunathpur Dist-Jagatsinghpur Mob:9776231866	Intensive Vegetable cultivation
3	Muralidhar Behera	At- Bagoi, Kujanga, Jagatsinghour Mob -9438434252	Pulse production through farmers producer group
4	Mr. Saurav Biswal	At/P.O-Tulanga, Block-Tirtol Dist-Jagatsinghpur Mob:9237073446	Composite fish farming
5	Mr. Trilochan Mandal	At/P.O-Kunjakoti Block-Erasama Dist-Jagatsinghpur Mob:9937541303	Shrimp farming
6	Mr. Zakir Hussain	At/PO-Samang Block-Jagatsinghpur Dist-Jagatsinghpur Mob:9776707786	Poultry farming (Colour bird)
7	Mr. Jagannath Das	At-Balia, P.O-Anakhia, Block- Biridi, Dist-Jagatsinghpur Mob:933778214	Dairy farming
8	Mr. Rajib Rath	At-Putting P.O-Gopalpur Block-Tirtol Dist-Jagatsinghpur Mob:9658139870	Mushroom Spawn Production
9	Mr. Prafulla Chandra Jena	At-Bijipur, P.O-Sankheswar, Block-Tirtol Dist-Jagatsinghpur Mob:9437373297	Hi-tech Horticulture
10	Nrusingha Charan Behera	At/P.O -Teramanpur, Block- Kujang, Dist-Jagatsinghpur Mob:9938145944	Intensive Vegetable Cultivation
11	Latika Swain	At/P,O-Krushnachandrapur Block-Tirtol Dist-Jagatsinghpur	Value added products
12	Sadananda Sahoo	At/PO-Taladanda, Block-Kujanga, Dist-Jagatsinghpur Mob:9438702494	Pond based IFS

9.13. Revenue generation

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

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
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							
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				
	5.2	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.				
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.				
	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				
5.2	FYM/ Vermicompost	tonnes				
5.21	Soil amendmets (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 SCSP in 2023-24 (Rs. In lakh):

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		
Green manuring (dhaincha) in rice	10	10	2	2				8		10				
Straw Mulching in Turmeric	12	12	0.50					5		5				
Renovation of common pond for fish production	2	2	1.0											
Vermi-compost from biodegradable wastes	12	12	12 units	3		3		9		9	12			
Sprinkler irrigation in Greengram	5	5	2.5					5		5	5			

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	
Rice (Var: Luna Subarna)	2.0	1				9		10		10	
Rice (Var: Luna Barihal)	2.0	4				6		10		10	
Rice (Var: Swarna Sub-1)	6.0	8				12		20		20	
Rice (Var: CR 1009 Sub-1)	6.0	3				17		20		20	
Green gram (var.: Virat)	2.0	2				8		10		10	
Nutrient management in greengram	5.0	8				12		20		20	
IPM in greengram	5.0	6				14		20		20	
Cultivation of Turmeric (variety : Roma)	0.5	0				10		10		10	
Cultivation of Cucumber(variety :Kumud)	0.8	1				9		10		10	
Cultivation of Okra (variety: Radhika F1)	1.0	3				7		10		10	

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		
Vanaraj Poultry	3500nos.	15		2	5	0	0	3	2	5	7	12		
Khaki Cambel duck	900 nos.	7		0	5	0	0	5	2	5	7	12		
Whitepkin duck	200 nos.	5		2	0	0	0	3	0	5	0	5		

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		
Mushroom	15	200 beds	0	3	0	0	0	12	0	15	15		
Vegetable seedlings raising under low cost polytunnel	10	200 sq.ft	0	4	0	0	0	6	0	10	10		
Backyard Nutritional garden	30	0.02	0	5	0	0	0	25	0	30	30		

Capacity building

Thematic area	Topic of the training	No. of Courses	No. of beneficiaries		
			Male	Female	Total
Natural Resource Management	Management of Custom hiring Centre	1	24	6	30
	Green manuring to improve soil fertility	1	21	9	30
	Technique of vermicompost production	1	14	16	30
Crop Management	Management of flood tolerance variety of rice	1	28	2	30
	Use of secondary and micronutrient management in Cucumber	1	22	8	30
	Management of saline soil	1	19	11	30
Nutrient Management	Use of Biofertilizer in pulse crop	1	30	-	30
	INM in Coconut	1	24	6	30
	INM in Brinjal	1	22	8	30
	Use of soil health card for balance dose of manure and fertilizer application	1	24	6	30
	Management of micronutrient deficiency in rice crop	1	21	9	30
Crop Diversification	Cultivation of turmeric	1	26	4	30
Resource conservation Technology		.	.	.	.
Pest and disease management	IPM in greengram	1	20	10	30
	Management of Neck blast in rice	1	24	6	30
	Application of chemicals for vector control in green gram	1	26	4	30
Nursery raising	Nursery raising techniques of seedlings under low cost poly house	1	13	17	30
Employment Generation	Bee Keeping	1	22	8	30
Livestock and Fishery Management	Mixed culture of Amur Carp along with IMC	1	8	22	30
	Composite pisciculture	1	14	16	30
Fodder and feed management	Effective feed management in fish culture pond	1	5	25	30
Lac cultivation	.	.	.	.	.
Farm implements and	Use of Power Weeder for weeding	1	30	0	30

machineries	Use of Mini Rice Mill	1	24	6	30
Value addition	Preparation of value added products from Fish and Prawn	1	0	30	30
	Planning, layout and designing of nutritional garden	1	0	30	30
Others if any	Importance of Natural farming in vegetable crops	1	23	7	30

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

Award received by Farmers from the KVK district

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

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

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

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	No. of farmers adopted the technology in	One high resolution 'Photo' in 'jpg'
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			due to adoption of the technology	the district	format for each technology
1	Varietal substitution with Barshadhan Line transplanting STBF application	Varietal substitution with Barshadhan Line transplanting STBF application	27775	05	
2	summer cultivation of (green gram)	Cultivation of Green gram HYV : IPM 02-14 by broadcasting 20:40:20 kg NPK / ha Treatment with rhizobium and PSB	8540	05	
3	Paddy straw mushroom (2 beds/day for 4 mths) and cultivation of Oyster Mushroom (2 bags /day for 2 mths)	• Cultivation of Paddy straw mushroom - strain OSM-11 with proper management practices	19000	15	
4	stocking density in Farm pond	Pond and feed management with proper staking density	20000	05	

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

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

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



ANNEXURE-I

ROCEEDINGS OF 19th SCIENTIFIC ADVISORY COMMITTEE MEETING KVK, JAGATSINGHPUR

The 19th SAC meeting of KVK, Jagatsinghpur was held on dated 13.12.2023 at 10.30 am in KVK premises under the Chairmanship of Dr. A.Khuntia, Joint Director of Distance, OUAT, Bhubaneswar. The members present in the meeting are annexed herewith. After a small introductory remark, the Chairman advised the Senior Scientist and Head to present the achievements and proceedings (Action taken report) of the last SAC meeting as per the agenda.

Agenda-1: Approval of the proceedings of last meeting

The Senior Scientist and Head of KVK, Jagatsinghpur presented the achievements of KVK for Rabi 2022-23 and Kharif 2023. He also presented the proceedings of the 18th SAC meeting held on 30.11.2022 in brief. The Chairman with the consent of all the members of the SAC approved the proceedings.

Agenda-2: Action taken on the recommendations of the 18th SAC meeting

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

ACTION TAKEN REPORT OF 18 th SAC MEETING CONDUCTED ON Dt. 30.11.2022 KVK, JAGATSINGHPUR	
SUGGESTIONS	ACTIONS TAKEN
Integrated approaches for pest and nutrient management should have a combination of all management practices like Cultural methods, Chemical methods and Biological methods instead of a single method of approach	- OFT on integrated management practices against neck blast in rice by covering 1 ha area conducted at village Bhansar, Bagoi and Japa with 13 farmers - FLD on INM in Greengram at village Achyutdaspur & Kanimula with 10 nos. of farmers - Demonstration of Integrated management of wilt complex of brinjal conducted at village Saharadia & Bagoi with 10 nos. of farmers

Bio-fortified varieties of rice may be introduced	- Demonstration conducted on Biofertilized rice variety (CR Dhan -310 & CR Dhan -311) at KVK Campus - Training & awareness programme were conducted at village Gorada & Bagoi
Programme may be designed for Some experiment on Soil salinity may be taken	- Demonstration on salt tolerant varieties of rice (Variety: Luna Ambiki, Luna Barihal & Luna Suverna) at Achyutadaspur village of Erasama block - Demonstration on green manure in Dhaincha at Gorada village of Kujanga block - Training programme on saline soil management at Praharajpur village of Erasama block
Use of media for awareness creation activity on a wide scale throughout the district	- AIR and TV programme conducted - Awareness creation activity through Reliance Foundation - Article published on Print Media
Fodder cultivation should be promoted	- Training programme conducted at adopted villages - Promoted dairy farmers of villages Achyutadaspur, Praharajpur, Kanakpur, Jagannathpur through providing planting material and advisory on feed management in collaboration with line department
Vermicompost may be demonstrated in KVK adopted villages	- Demonstration on Vermicompost production using HDPE bags at village Saharadia, Achyutadaspur, Nimakana and Gamhapur - Awareness programme conducted at village Gamhapur, Gorama, Achyutadaspur and Nimakana through method demonstration
Distribution of soil health card in presence of officials of line department	World Soil Day was organized jointly with Agriculture department on 5th December, 2023
Advisory on the right time and right dose of pesticides	Advisory through KMAS is being sent every month
Green manuring in rice may be taken up for management of Acidic & Saline soil	Demonstration on Green manuring with Dhaincha for salinity management in rice at village Garama, Achyutadaspur
IMC production should be enhanced	Demonstration of Jayanti Rohu in composite carp culture for more yield and demonstration of Amur carp in composite pisciculture at village Garama, Jagannathpur, Hajipur, Chardia, Mohamodabad
YVMV in greengram is a major problem in the district	- Demonstration on Integrated management practices against YVMV disease of green gram at Oreisal village of Erasama block - Awareness and training programme were conducted at different villages of all 8 blocks
Discolouration, cracking and poor quality of curd in cauliflower	Demonstration on Sulphur and Boron application in Cauliflower at village Gamhapur.
Nutrient management in Greengram to be taken up	- Assessment of integrated nutrient management in greengram was conducted at Bhansar village of Tirtol Block - Awareness and training programme on INM were conducted at different villages of all 8 blocks.
Weeding in brinjal by farm women is a tedious process	Demonstration on Wheel Cycle Weeder in Brinjal for drudgery reduction of farmwomen
Khaira disease of rice	Demonstration on zinc deficiency in lowland rice at village Garam, Bhansara.

Low yield of paddy straw mushroom	Assessment of humidity/moisture management in paddy straw mushroom in low temperature
Conduct more activities on BPH, Stem borer management in Paddy	- Demonstration on management on stem borer conducted in rice at village Sanimula of Tirtol block - Awareness and training programme on BPH and stem borer was conducted during joint field visits and KMA.
Sheath Blight in rice is a problem	Awareness programme on Integrated management of Sheath Blight in rice
Malnutrition in members of farm family	Demonstration of nutritional garden for Improving Nutritional Security of farm family
More programme should be taken under Crop Diversification	Training programmes conducted at village Nunukua, Kalikuda and Bagoi on Millet (Ragi) cultivation and processing
Deficiency of micro-nutrients in vegetables	Demonstration of application of Micro-nutrient mixture for increasing fruit yield in Okra
Seedling raising in coco peat may be tried	Assessment of different methods of portray nursery raising for quality seedling production in tomato
Variety of Yard long bean may be included	Demonstration of Yard Long Bean variety “Arka Mangala” for higher yield
Importance should be given on Biofloc farming & Ornamental fish farming	- Training programme on Biofloc fish farming & Ornamental fish farming were conducted at different adopted and non adopted villages. - Demonstration unit on Biofloc & Ornamental unit have been established at KVK campus for exposing to farmers.
More nos. of training should be conducted on value addition, spawn production & package of practice of mushroom cultivation	- Demonstration on management of competitive fungus (corpinus/Inkcap) in paddy straw mushroom at Nunukua (10 beneficiaries) - Assessment on suitable value added products from oyster mushroom - Three number of Trainings were conducted on mushroom production and awareness also have been conducted through Horticulture workshops organised in different blocks of the district.
Awareness programme should be conducted on Deworming of Livestock with the help of Line dept.	Two numbers of Animal health camps at village Tainkula of Balikuda block and Achyutadaspur of Erasama block were conducted with the help of line departments and scientists of OUAT
Focus should be given on fresh water aquaculture including integrated fish farming and value addition of fish for better income	Demonstration on integrated fish farming & stunted fingerling culture at village Garam, Chardia, Hajipur, Jagannathpur etc was conducted 4 nos of training programme conducted on fresh water aquaculture and integrated fish farming
Mechanization of threshing and harvesting of Greengram may be taken up due to high labour scarcity	Assessment of Mechanical threshing of Greengram using various threshers is continuing and awareness conducted through Training Programme

Agenda-3: Achievements made by KVK

The overall achievement made by KVK, Jagatsinghpur was presented by the Senior Scientist & Head, KVK for Rabi 2022-2023 and Kharif 2023. The KVK has conducted 60 nos. of training programmes for practicing farmers/ farm women involving 1800 trainees, 06 nos. for Rural youths with 120 trainees and 05 nos. of In-service trainings with 100 trainees. The KVK has also conducted 09 no. of OFTs, 21 no. of FLDs, 1 no. of CFLD in farmer's field and a total of 1270 nos. of extension activities.

Some of the achievements of KVK are listed below:

- Application of Sulphur @ 30 kg/ha and Boron @ 1.25 kg /ha as Borax in groundnut produced 21.51 % more yield with BCR of 2.12 as against 1.83 in FP(No use of Sulphur and Boron).
- Post emergence application of Quizalofop ethyl 5 EC @ 50 ml/ha at 20-25 DAS in green gram recorded highest weed control efficiency of 86.04% with BCR of 2.26 as compared to 1.97 in FP (two hand weeding at 20 and 40 DAS).
- Application of RDF in Blackgram in shape of DAP and MOP and foliar application of 1% DAP+1% MOP at 20 and 40 DAS produced 23.28% more yield with BCR of 2.28 as against 1.95 in FP(No foliar application of MOP and DAP).
- STBR (NPK) with FYM @5t/ha and seed inoculation with rhizobium @20g/kg seed and treatment with Ammonium Molybdate @10g/25 kg of seed in green gram recorded 22.01% increase in yield with BCR of 1.99 as compared to 1.59 in FP(No use of Rhizobium and Ammonium Molybdate).
- Yard Long Bean variety “Arka Mangala” recorded 23.46% higher yield with BCR of 2.87 as compared to 2.41 in farmers variety-Sumant.
- Tomato variety “Arka Rakshak” – a triple disease resistant variety from IIHR, Bangalore recorded 63.58% increase in yield with BCR of 3.01 as against 2.01 in farmers variety-Samrudhi.
- Application of Arka Microbial Consortium (Microbial Plant Growth Promoters) in Cauliflower as spray after curd formation @10-20 g/litre recorded 13.53% increase in yield with BCR of 2.87 as against 2.53 in FP(no use of bio-fertilizers)
- STBR (NPK) + FYM @10t/ha + S @25kg/ha at the time of transplanting of tomato crop recorded 13.03 % more yield with BCR of 2.74 as against 2.46 in FP(No use Sulphur)
- Mixed culture of Amur carp along with other carps increased the fish yield to 29% with BCR of 2.78 against 1.73 in FP(Only IMC).
- Culture practice of Jayanti Rohu and fresh water prawn along with other carps resulted an increase in 27% fish yield with BCR of 2.72 against 1.73 in FP(Only IMC)
- Bypass fat feeding in dairy cows resulted an increase in 16% milk yield,17.9% fat content and 3.5% SNF with BCR of 1.6 as compared to 1.37 in FP(No use of Bypass fat in feed)
- Application of STBF (NPK) + Sulphur @ 30 kg ha⁻¹ + 1 kg Boron as basal application had the best performance in term of curd quality and yield.
- STBR NPK + inoculation with OUAT consortia bio-fertilizers to pre-lime (5%) 300 kg FYM (1:25) incubated for 7 days at 30% moisture and applied in the rhizosphere at the time of transplanting which increased the yield and fruit size in Brinjal.
- STBR NPK + Azotobacter, Azospirillum and PSB (1:1:1) @ 4kg each and soil application of B@ 1 kg ha⁻¹ . Good quality of tomato was experienced with enhanced yield.
- Cut the straw into 2 inches size ,soak in water for 12 hrs, boiled in water for 30 mins, drained out excess water, and bed is prepared by using 200 gm spawn inside a polythene of 80*40 cm size. Yield of blue oyster is better than other varieties during low temperature
- Use of self-propelled Dry Land Power Weeder for weeding and intercultural operation. Use of Power Weeder saves around 37 MD and increase yield and net return in Brinjal
- Stocking IMC Carp Fry with stocking density @ 2lakhs /ha with minimum feeding practice @2% biomass . With minimum cost of production got more profit from stunted fingerlings as compared to table size fish.
- Stocking Catla:Rohu:Amur Carp@ 3:4:3 with stocking density @ 10000 fingerlings /ha. The growth rate and disease resistant quality of fish with compared to other fish is more.

Agenda-4: The following action points were suggested by the SAC members:

1. Number of Soil testing should be increase.
2. Popularize aromatic rice in Jagatsinghpur district.
3. Focus on kharif vegetable.
4. Popularize BPH resistant paddy variety.

5. Popularize line transplanting of paddy rather scattered method to avoid BPH.
6. Popularize Greengram thresher for harvesting Greengram.
7. Increase production of Arhar, Mustard, and Sunflower in Jagatsinghpur District.
8. Focus on Nano Urea.
9. Develop more numbers of young entrepreneurs.
10. Popularize millet in Jagatsinghpur District.
11. Popularize coriander cultivation in summer season as market price is more at that time.
12. Technology regarding stem borer in brinjal should reach to farmer.
13. Technology should develop regarding YMV in Okra.
14. Focus on massive way hybrid papaya plantation.
15. Emphasis should be given on mushroom, floriculture, spices.
16. Programme should be conducted regarding mosaic in chilli & thrips in Chilli.
17. Programme should be conducted regarding nutrient management and disease management in coconut and Arecanut .
18. Organic trials on Betelvine should be conducted.
19. As Jagatsinghpur district is 1st in milk production, so popularize fodder cultivation & Azolla cultivation to reduce cost of production.
20. Conduction deworming camp.
21. Popularize scientific method of fish farming.
22. Popularize Biofloc based fish farming.
23. Popularize Tilapia & Pangaseus cultivation in Biofloc as their restaurant demand is more low cost form made.
24. Promote low cost farm made feed from locally available ingredients.
25. Awareness created among farmers regarding sun- hemp cultivation, adoption of Luna subarana, luna barkha in saline soil area.
26. Popularize summer tomaro. Varieties Luma.Barkha Bahor, like Barkha Bahar-I, Barkha, Biksa .
27. Popularize summer tomato (varieties like Barkha Badha-1, Barkha Bahar-2, Arka Meghalaya, Arka Bikash)
28. Special training & awareness should be conducted on millet.
29. More programme should be taken on groundnut.
30. Promote mixed culture of Amur carp along with morgan.

List of Participants:

Sl. No.	Name & Designation	Status
1	Prof. Amaresh Khuntia, JDE, OUAT, Bhubaneswar	Chairman
2	Reshma Rani Singh, DFO, Jagatsinghpur	Member
3	Purendra Sekhar Acharya, ADO, Tirtol	Member
4	Anil Kumar Sethi, ADH, Jagatsinghpur	Member
5	Sanjiv Kumar Muduli, Chief District Agriculture Officer, Jagatsinghpur	Member
6	Dr. Jibanjit Sen, Senior Scientist & Head, KVK, Jagatsinghpur	Member Secretary
7	Dr. Kailash Chandra Mallick, CDVO, Jagatsinghpur	Member
8	Manas Ranjan Behera, SMS (Fishery Sc.), KVK, Kendrapara	Invitee
9	Dr. Dwarika Mohan Das, Scientist (Ag. Eng.), KVK, Jagatsinghpur	Participant
10	Namita Behera, Progressive Farm woman, S.N. Patna	Member
11	Kailash Chandra Jaysingh, Progressive farmer, Achhutadaspur	Member
12	Mr. Nrusingha Charan Behera, Progressive farmer, Village-Saharadia, Block-Kujanga	Member
13	Sourav Pattnaik, Progressive farmer, Erasama	Member
14	Dr. Bishnupada Giri, Scientist (Hort.), KVK, Puri	Invitee
15	Rabi Narayan Mohanty, Forest Range officer, Jagatsinghpur	Member
16	Biranchi Narayan Appelt, Forester, Rahama	Invitee

17	Lochana Puti,ADSWO, Jagatsinghpur	Member
18	Banajini Dei, Progressive Farm woman, Jagannathpur	Member
19	Prabhu Kalyan SangramSingh,SRF,NICRA (TDC), KVK, Jagatsinghpur	Participant
20	Rashmi Ranjan Behera, SRF,DAMU, KVK, Jagatsinghpur	Participant
21	Samir Kumar Pattnaik,Computer Programmer, KVK, Jagatsinghpur	Participant
22	Pradipta Majhi,SMS (Soil Science), KVK, Jagatsinghpur	Participant
23	Debasis Panda,Scientist (Plant Protection), KVK, Jagatsinghpur	Participant
24	Sarita Das,Programme Assistant (Fishery Science), KVK, Jagatsinghpur	Participant
25	Bijayini Sahoo,SRF (Plant Health Clinic), KVK, Jagatsinghpur	Participant
26	Simran Chourasia, RAWE student, KVK, Jagatsinghpur	Invitee
27	Suchitra Saloni, RAWE student, KVK, Jagatsinghpur	Invitee
28	Ishika Mondal, RAWE student, KVK, Jagatsinghpur	Invitee
29	Shambhawi Goutam, RAWE student, KVK, Jagatsinghpur	Invitee
30	Rabindra Pradhan, RAWE student, KVK, Jagatsinghpur	Participant

