ANNUAL REPORT-2024
KVK, BOLANGIR (January-December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KVK-BOLANGIR	Office	FAX	
At :Larkipali,(RE Farm) PO. Rajendra College Dist. Bolangir – 767002, ODISHA	06652250195	06652250195	kvk.bolangir@ouat.ac.in kvkbolangir.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	0674-2397424	0674-2397919	ouatacademic62@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Satyamaya Satapathy	NA	7008096895	kvk.bolangir@ouat.ac.in

1.4. Year of sanction of KVK:2009

1.5. Staff Position (**as on 1st January, 2025**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining KVK/KVK,Bolangir	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. SatyamayaSatpathy	Sr. Scientist & Head	Agronomy	57,700-1,82,800 (82,200)	07.06.2021	Temporary	Others
2	Subject Matter Specialist	MrMonoj KumarBarik	Scientist(Agril. Extension)	Agril. Extension	57,700-1,82,800 (95,300)	04.01.2006/14.07.2023	Temporary	OBC
3	Subject Matter Specialist	Dr. Tapan Kumar Palai	Scientist (Animal Science)	Animal Science	57,700-1,82,800 (84,700)	17.06.2015/27.07.2018	Temporary	Others
4	Subject Matter Specialist	Rukeiya Begum	Scientist(Seed Science)	Seed Science	57,700-1,82,800 (84,700)	21.05.2015/13.03.2025	Temporary	Others
5	Subject Matter Specialist	Sudarshana Kar	SMS(Ag. Engineering.)	Agril. Engineering	56,100-1,82,800	24.09.2024/24.09.2024	Temporary	Others
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Vacant						
9	Computer Programmer	Rabi Narayan Satpathy	Prog. Asst (Computer)	Computer	35400-112400(64,100)	22.08.2005/21.11.2009	Temporary	Others
10	Farm Manager	SagarikaMuna	Farm Manager	Horticulture	35400-112400(46,200)	05.02.2015/01.03.2016	Temporary	SC
11	Accountant / Superintendent	Vacant						
12	Stenographer	Vacant						
13.	Driver	Upendra Mishra	Driver-cum-Mechanic	-	21700-69100 (28400)	25.07.2008/06.05.2011	Temporary	Others
14.	Driver	BiswabashiSarangi	Driver-cum-Mechanic	-	21700-69100 (27600)	14.02.2014/14.02.2014	Temporary	Others
15.	Supporting staff	Vacant						
16.	Supporting staff	Vacant						

1.6. Total land with KVK (in ha) :

S. No.	Items	Area (ha)
1	Under Buildings, Roads, Farmers hostel	1.5
2.	Under Demonstration Units	0.5
3.	Under Crops (Seed Production)	7.0
4.	Crop Cafeteria	1.5
4.	Undulating land	2.5
5.	Disputed	2.0
6.	Handed over to Agril. Polytechnique College	1.0
	Total	16.0

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Yes	550	Under use	ICAR
2.	Farmers Hostel	Under construction				Yes			ICAR
3.	Staff Quarters (6)	Not started							
4.	Piggery unit	Not started							
5	Fencing	-		2000 running ft. required		No			RKVY
6	Rain Water harvesting structure	Not started							
7	Threshing floor	Not started							
8	Farm godown					Yes		Under Use	RKVY
9.	Dairy unit	Not started							
10.	Poultry unit	-				Yes	9×5mt	Under Use	RKVY
11.	Goatery unit	Not started							
12.	Mushroom Lab	-				No		Under Use	RKVY
13.	Mushroom production unit	Not started							
14.	Shade house	--				Yes	18X5.5m	Under Use	RKVY
15.	Soil test Lab	-				Yes		No equipments	ICAR
16	Seed Processing Unit	Not started							

* 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
Mahindra Bolero	2010	5.0 lakh	215636	Condemned
Mahendra Bolero	2024	9.0 lakh	6230	Running
Massey Tractor+trailer	2010	6.0 lakh	22400	Running
Motor Cycle	2012	0.53lakh	15683	Running

C) Equipment & AV aids

Name of equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**	**Source of fund**
a. Lab equipment (Home Science)				
Digital refractrometer (B.P.Lab make)-1 no	2017-18	14,950	Functioning	ICAR
Drying Cabinet, Model BPL-25 (B.P.Lab make)—1 no	2017-18	19,898	Functioning	ICAR
Crown cap sealing machine (seapack make)-1 no,	2017-18	5900	Functioning	ICAR
Vaccum cap sealing machine (seapack make)-1 no	2017-18	1980	Functioning	ICAR
StainlessSteelKnife,strainer,decanter,measuring cup set,glass jar -1 no each	2017-18	2322	Functioning	ICAR
Food processer Fx10 (Bajaj make)-1 no	2017-18	4950	Functioning	ICAR
b. Farm machinery				
Automatic hatcher	2020-21	88400	Not started	BTKissan
Rotavator	2012-13	86,100	Running	ICAR
Seed cum fertilizer drill	2012-13	52,100	Running	ICAR
Power thresher cum fan type winner(2nos)	2012-13	39,600	Running	ICAR
Power sprayer(2nos)	2012-13	12,688	Running	ICAR
Nine tyne cultivator	2012-13	12,400	Running	ICAR
Rotavitor	2012-13	86,100	Running	ICAR
c.AV Aids				
P A System	2011-12	43,445	Functioning	ICAR
DVD Player	2011-12	3790	Functioning	ICAR
Digital camera	2011-12	22,500	Functioning	ICAR
LCD	2011-12	34,900	Functioning	ICAR
Handy cam	2011-12	39,500	Functioning	ICAR
LCD Projector	2011-12	40,163	Functioning	ICAR
Sony Digital camera	2011-12	16,470	Functioning	ICAR
Nikon Digital camera	2011-12	4798	Functioning	ICAR
Picco projector	2017-18	22,000	Functioning	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavator	2012-2013	86,100	Running	ICAR
Seed cum fertilizer drill	2012-2013	52,100	Running	ICAR
Power thresher cum fan type winner(2nos)	2012-2013	39,600	Running	ICAR
Power sprayer(2nos)	2012-2013	12,688	Running	ICAR
Nine tyne cultivator	2012-2013	12,400	Running	ICAR
Digital Weighing machine	2020-2021	8500	Running	ICAR
Cage wheel	2023-2024	40,000	Running	ICAR

1.8. DetailsofSAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	21.11.2024	32	High yielding DSR varieties and Aromatic rice to be demonstrated	▪ OFT on Aromatic rice involving 7 beneficiaries of villages Damkipali, Odiapali and Mayabara covering 2 ha ▪ Demonstration on DSR involving 2 farmers in Odiapali and Mayabara villages covering 2 ha land ▪ Field day on DSR at Odiapali involving 40 farmers	
			Demonstration on green manuring (Dhanicha) may be undertaken at farmers field along with KVK	▪ Demonstration on Green manuring in transplanted rice under NICRA at Odiapali involving 10 beneficiaries covering area 4 ha ▪ Training on Green manuring in transplanted rice at Odiapali involving 25 farmers ▪	
			Intervention on non ragi millet in farmers field	▪ OFT on Non ragi millet covering 2 ha land in volving 7 farmers at Damkipali, Patnagarh and Belpada ▪ Training on Package and practices of millets at Ghasien involving 25 farmers ▪	
			Improved management practices (IWM and INM) in cotton and onion may be demonstrated	▪ Demonstration on IWM in cotton covering 2 ha area involving 10 numbers of farmers at village Mayabara and Damkipali ▪ Training on Integrated weed management in cotton involving 25 farmers at Mayabara	
			Climate resilient technologies to be demonstrated in farmers field	▪ Demonstration on Drought tolerant rice var. Swarna Shreya at Odiapali involving 20 farmers covering 8 ha ▪ Demonstration on multiple stress tolerant rice var. Mahendragiri at Odiapali involving 6 farmers covering 1 ha ▪ Demonstration on Bund plantation of pigeon pea at Odiapali involving 10 farmers covering 2 ha ▪ Demonstration on stress tolerant Green gram Var. Sikha at Odiapali involving	

				25 farmers covering 10 ha area ▪ Demonstration of Azolla to feed dairy cows involving 10 farmers at Odiapali ▪ Demonstration on Kalinga Pallishree at backyard involving 18 farmres at Odiapali ▪ Demonstration on feeding of mineral mix and bypass fat at Odiapali involving 10 beneficiaries ▪ Training on Green manuring	
			Water management by micro-irrigation techniques may intervened	▪ Coirrigation with mulching in tomato" at Mayabarha village involving 5numbers of farmers in 0.4 ha area during Rabi 2023-24. ▪ Conducted Training on Utility of micro irrigation involving 25numbers of farmers on 5th September 2024 at Bahalpada ▪ OFT on "Assessment on irrigation through sprinkler for enhancing yield of green gram" has been proposed to be conducted during Rabi 2024-25. Beneficiary from Mayabara and Odiapali have been selected and OFT will be done with in 1 month during Rabi 2024-25 ▪ nducted FLD on "Demonstration on drip ▪	
			Low cost brooding should be well spread in the district to promote LIT bird rearing in backyard. Intervention may be taken up through demonstrations and trainings	▪ RY Training (2 days duration) on Rearing of improved backyard chicken at KVK involving 15 beneficiaries ▪ F/FW training on Artificial brooding management in chicks to lower chick mortality at Mayabarha involving 25 farmers on 29.10.2024 and Kuturla involving 25 beneficiaries on 18.11.2024 ▪ FLD on Rearing of Kalinga Pallishree in backyard invloving 18 beneficiaries ▪ Demonstration on 15 days Kavery under SCSP involving 30 nos. of SC beneficiaries ▪ Demonstration on day old Aseel under SCSP involving 18 nos. of beneficiaries ▪	
			Promotion and use of organic inputs and Popularization of Vermicomposting	▪ Skill training on Preparation and use of Organic inputs involving 30 farmers at KVK ▪ Demonstration on Vermicomposting involving 20 farmers at Odiapali and Ghuchipali and Ratakhandi	
			Capacity building to the members of FPOs/FPCs on Marketing, Post-harvest management of Agricultural produce	▪ District level launching workshop of FPOs involving 100 participants from 24 FPOs of Bolangir ▪ Demonstration on Millet through FPOs at Damkipali involving 10 farmers ▪ Demonstration on Ground nut through FPOs at Bhoipali involving 25 farmers	
			Intervention may be taken up on feed management for cow through green fodder along with concentrates and feed supplements	▪ Assessment of low cost concentrate mixture on CB heifer for early onset of estrus involving 7 beneficiaries of Bargaon and Mayabara village ▪ Demonstration on Demonstration on Bypass fat and mineral mixture feeding for sustained milk production with high specific gravity involving 10 beneficiaries	

				▪ F/FW Training on Fodder cultivation strategies and feeding management in dairy cws invoving 25 farmers on 29.06.2024 at Bargaon ▪ F/FW Training on Importance of mineral mixture and other supplementation in dairy cows invoving 25 farmers on 02.07.2024 at Mayabara ▪ Skill development training on Profitable dairy farming (5 days duration) from 04.10.24 to 08.10.24 at KVK invoving 30 beneficiaries	
			Floriculture (Marigold/tuberose) demonstration and training for better income generation	▪ Demonstration on Tuberose var.Prajwal in 0.4 ha area involving 10 farmers ▪ Demonstration on Marigold var. BM-2 will done in rabi-2024-25,beneficiaries and field selection completed	
			Training to SHGs/FPO members on nursery raising, Kitchen gardening, floriculture and vegetable QPM production	▪ Skill training under 100 days skill training programme conducted on production Technique of Quality Planting Material ▪ Demonstration on Kitchen gardening was conducted at village-Larkipali, Chikalbahal involving 25 farmwomen	

** 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	Agriculture+ Horticulture+ Animal Husbandry
2	Agro-climatic Zone	Western Central table land zone
3	Agro ecological situation	Plain land Irrigated; Plain land rainfed; Undulating Sub mountainous track ; Undulating plain drought prone
4	Soil type	Mixed Red &black, Red, laterite &Mixed red and yellow
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy- 38 q/ha , Arhar-13q/ha, Greengram-7q/ha, Groundnut-17q/ha, Sunflower-12q/ha
6	Mean yearly temperature, rainfall, humidity of the district	28.1^0C, 945mm, 57 %
7	Production of major livestock products like milk, egg, meat etc.	Milk-110 TMT/ annum) ; Egg-445Million/annum) ; Meat-14.1 TMT/annum)

Note: Please give recent data only2.b. Details of operational area / villages (2024)

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	Bolangir	Bolangir	Bargaon	Paddy, Greengram, Arhar,Cucumber, Mango, Banana, Vegetable, Dairy, Poultry, Goat,	Lack of storage facility for fruits and vegetables. Severe crop weed competition in Kharif upland crops Low milk production in CB cows Poor growth potential in goats High chick mortaliry	Crop diversification, Quality seeds and seedling, promotion of nutritional garden Feeding strategies in livestock LIT bird rearing in backyard Farm mechanisation
2	Bolangir	Puintala	Odiapali	Paddy,Greengram,Arhar, Cucumber,Vegetable,Poultry,Goat,	Severe soil erosion in sloppy uplands. Severe crop weed competition in Kharif upland crops. Low milk production in CB cows and high incidence of diseases Poor growth potential in goats and sheep High chick mortality and poor egg laying potential	Crop diversification, Integrated Nutrient Management Practices, Low cost feeding strategies in livestock Health care management in livestock LIT bird rearing in backyard Farm mechanisation
3	Bolangir	Loisingha	Bhoipali	Paddy,Greengram,Cucumber, Brinjal, Crucifer vegetables Tomato,Mango ,Poultry, Goat	Non availability of waste land management techniques. Severe crop weed competition in Kharif upland crops High diseases incidence in livestock Low income generation from Poultry	Crop diversification, Farm mechanization, promotion of nutritional garden Health care management in livestock LIT bird rearing in backyard Farm Mechanisation
4	Balangir	Patnagarh	Mayabarha	Rice,Greengram,Arhar,groundnut,Cotton Ragi and Vegetables, Poultry,Goatery,Fishery, Mushroom and vermicomposting	Stemborer,BPH,Blast in Rice, YMV in Greengram Lack of HYV,Lack knowledge on Improved method of practices,Disease in livestock,deshi bird gives low income,	Integrated Crop management IFS/Crop diversification High Yielding breeds of livestock Income generation activities Farm Mechanisation Disease management in Livestock
5	Balangir	Loisingha	Buromunda	Rice,Maize,Greengram, Groundnut,Vegetables, Poultry, Goatery,Fishery, Mushroom and vermicomposting	Stemborer,BPH,Blast in Rice, YMV in Greengram Lack of HYV,Lack knowledge on Improved method of practices,Disease in livestock,deshi bird gives low income	Crop diversification, Integrated Nutrient Management Practices, Feeding strategies in livestock Farm mechanisation

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2023-24) for its development and action plan

Name of village	Block	Action taken for development
Bargaon	Bolangir	Trainings, Demonstrations, Assessments, Awareness campaign, Soil test camp, Animal Health camp, Group meetings, Group discussion, Scientist field visit etc.
Odiapali	Puintala	
Mayabarha	Deogaon	
Bhoipali	Loisingha	
Buromunda	Loisingha	

2.1 Priority thrust areas

S. No	Thrust area
1.	Integrated Nutrient management in Rice, Pulses, Oilseeds and Vegetables
2.	Integrated Pest Management in crops
3.	Integrated Weed Management in crops
4.	Integrated Farming System Development
5.	Pest and Disease tolerant/resistant variety of crops introduction
6.	Drought tolerant and moisture stress variety of rice adoption
7.	Income generation activities like Mushroom production,vermicomposting,floriculture,Value addition of pulse and vegetables
8.	Introduction of small tools and implements
9.	Farm Mechanization development
10.	Micro-irrigation development
11.	Disease Management in Livestocks
12.	Introduction of improved breeds of livestock
13.	Integrated fish farming
14.	Development of Farmers Producer Groups and its management
15	Management of Village level groups-SHG,FIG,PG etc

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
9	9	80	12	8	7	3	38	12	57	23	80	16	16	180	19	16	14	10	69	54	102	78	164

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
70	70	1560	144	247	73	8	839	239	1067	493	1560	263	263	7200	178	154	176	271	4527	1897	6471	732	7203

Impact of capacity building																						
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
120	120	8	5	14	11	38	44	60	60	120												

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
260	281	150000	141670

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
-	-	100	75

* 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	4	-	4	5.3	5.2	=	=
Seminar/conference/ symposia papers							
Booklets			-	-	-	-	-
Bulletins							
News letter	1	500	-	-	-	-	-
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	16	46					
Electronic Publication (CD/DVD etc)							
TOTAL	21	546					

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of Non Ragi millet crops for diversification of Millet production system
2.	Problem diagnosed	Scope for improvement in yield of millet crops and crop diversification
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 :Little millet TO_2 :Pearl millet TO_3 :Sorghum
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source :** IIMR, 2023
5.	Production system and thematic area	Rice-Rice cropping system, Crop improvement
6.	Performance of the Technology with performance indicators	yield of individual crops, ragi equivalent yields, economics
7.	Final recommendation for micro level situation	**Although Sorghum showed more Ragi equivalent yield, it is recommended to grow Ragi in farmers field due to easy procurement centre.**
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmers are satisfied with the research

Thematic area:

Problem definition:Scope for improvement in yield of millet crops and crop diversification.

Technology assessed:

TO_1 :Little millet

TO_2 :Pearl millet

TO_3: Sorghum

Table:

Technology options	**Yield Q/ha**	**Ragi Equivalent Yield**	**Net return**	**B:C ratio**
FP : Ragi (Var. Arjun)	8.2	8.2	14178	1.68
TO1 : Little millet (Var. kalingaSua)	8.8	7.18	11800	1.47
TO2 :Pearl millet (Var. PC 6012)	7.8	6.36	10300	1.30
TO3 :Sorghum (Var. CSV 14)	12.4	10.12	20400	2.07

OFT-2

(240AG01(K)

1.	Title of On farm Trial	Assessment of High yielding medium duration Rice Varieties in Kharif
2.	Problem diagnosed	Scope for improvement in yield in medium land
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T O_1 :Kalinga Dhan 1203 T O $_2$:Kalinga Dhan 1205
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source : OUAT, 2022**
5.	Production system and thematic area	Rice- fallow cropping system, Crop improvement
6.	Performance of the Technology with performance indicators	Yield (q/ha), Additional income over additional investment and B:C ratio
7.	Final recommendation for micro level situation	Kalingadhan 1203 resulted in 14.28 % higher yield as compare to existing variety of rice. Recommended to grow under rainfed medium land condition of balangir district.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Farmers are satisfied with the research

Thematic area:

Problem definition:Low yield and low income from existing variety.

Technology assessed:

TO1: Kalinga Dhan 1203 is of medium slender grain type with the average yield of 54.3 q/ha, 135days duration and suitable for irrigated medium lands.

TO2: Kalinga Dhan 1205 is of medium slender and fine grain type with the average yield of 51.8 q/ha, 132days duration and suitable for rainfed and irrigated medium lands.

Table:

Technology options	**Yield Q/ha**	**% of increase**	**Net Income (Rs./ha)**	**B:C ratio**
FP: Lalat	**39.2**		36160	1.67
To1: KalingaDhan 1203	**44.8**	14.28	47040	1.84
To2: KalingaDhan 1205	**42.6**	8.6	41980	1.75

OFT-3

1.	Title of On farm Trial	Assessment of Aromatic rice varieties for higher profitability
2.	Problem diagnosed	Non availability of suitable Aromatic rice
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T O $_1$:Rice variety Kalikati@ 5 kg/ha (OUAT,2020) TO_2:Rice variety Gangabali@ 5 kg/ha (OUAT,2020)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**Source : OUAT, 2020**
5.	Production system and thematic area	Rice-Rice cropping system, Crop improvement
6.	Performance of the Technology with performance indicators	Yield (q/ha), Additional income over additional investment and B:C ratio
7.	Final recommendation for micro level situation	**For persistence of Aroma Gangabali was recommended.**
8.	Constraints identified and feedback for research	Higher doses of chemical fertilizer resulted in lodging of crop before harvesting
9.	Process of farmers participation and their reaction	Farmers are satisfied with the research

Thematic area:

Problem definition:Non availability of suitable Aromatic rice varieties

.Technology assessed:

T O $_1$:Rice variety Kalikati@ 5 kg/ha (OUAT, 2020)

TO_2:Rice variety Gangabali@ 5 kg/ha (OUAT, 2020)

Table:

Technology options	**Yield Q/ha**	**% of increase**	**Net Income (Rs./ha)**	**B:C ratio**
FP: Kalajeera	19.6		26,400	1.51
TO_1: Kalikati	28.2	43.8	58,800	2.08
TO_2 : Gangabali	24.6	25.5	44,400	1.82

OFT-4

1.	Title of On farm Trial	Assessment of Wet Land Power Weeders in Paddy
2.	Problem diagnosed	Labour intensive, Drudgery prone and time consuming operation in manual weeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1:MandwaWeeder TO2: Wet Land Power Weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on ESA, CAET, OUAT, 2011 & 2013
5.	Production system and thematic area	Rice-Greengram, Farm mechanization
6.	Performance of the Technology with performance indicators	Field capacity (ha/h), Weeding Index(%)
7.	Final recommendation for micro level situation	Power operated Wet land power weeders are more efficient in weeding in rice.
8.	Constraints identified and feedback for research	Row to row spacing is to be maintained at minimum 25cm.
9.	Process of farmers participation and their reaction	Training and demonstration

Thematic area: Farm mechanization

Problem definition: Labour intensive, Drudgery prone and time consuming operation in manual weeding

Technology assessed: TO1:MandwaWeeder

TO2: Wet Land Power Weeder

Table:

Technology option	No. of trials	Yield component			Weeding index	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Field capacity (ha/h)	Labour requirement (mandays/ha)	Cost of operation (Rs/ha)						
Manual weeding	7	0.007	16	4600	5.2	40.8	42360	76220	33860	1.80
MandwaWeeder	7	0.018	7	2200	11.0	41.9	39810	76960	37150	1.93
Wet Land Power Weeder	7	0.075	3	1450	12.4	43.3	38460	78810	40350	2.05

Results:

OFT-5

1.	Title of On farm Trial	Assessment on Irrigation through Sprinkler for Enhancing Yield of Greengram
2.	Problem diagnosed	Moisture stress due to uneven or no irrigation and reduced yield during critical growth stages.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 :One irrigation through sprinkler **before pre-flowering stage** – improves water use efficiency and promotes early crop vigor TO_2 :Two sprinkler irrigations: **1) before pre-flowering, 2) before pod formation** – ensures adequate moisture during critical stages, enhancing yield potential
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIWM, Bhubaneswar, Annual Report 2017-18
5.	Production system and thematic area	Green gram
6.	Performance of the Technology with performance indicators	Water Use Efficiency (kg/ha-mm), Labour requirement (man-days/ha), Yield (q/ha), cost of cultivation
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Soil Water Conservation

Problem definition: Moisture stress due to uneven or no irrigation and reduced yield during critical growth stages.

Technology assessed: TO1 : One irrigation through sprinkler **before pre-flowering stage** – improves water use efficiency and promotes early crop vigor,

TO2 :Two sprinkler irrigations: **1) before pre-flowering, 2) before pod formation** – ensures adequate moisture during critical stages, enhancing yield potential

Results

Technology Option	No. of Trials	Yield (q/ha)	Cost of Cultivation (Rs./ha)	Gross Return (Rs./ha)	Net Return (Rs./ha)	B:C Ratio
FP (No irrigation)	7	6.8	₹22,000	₹47,600	₹25,600	2.16
TO1 (1 sprinkler irrigation before pre-flowering)	7	8.4	₹25,000	₹58,800	₹33,800	2.35
TO2 (2 sprinkler irrigations: pre-flowering + pod formation)	7	9.8	₹27,000	₹68,600	₹41,600	2.54

OFT-6

Title of the OFT	Technology options
Assessment of effectiveness of different extension methods to access information on Rice production	FP:Farmers generally rely upon information through print media TO1: FP+ Short Video Lecture+ Focus Group Discussion TO2: FP+ Using “Rice X pert app”.

Results :

Tech. Options	**Understanding Of The Message**		**Time Based Information**		**Suitability Of Technology**		**Increase In Knowledge**		**User Friendliness**	
	MS	Gap (%)	MS	Gap (%)	MS	Gap(%)	MS	Gap(%)	MS	Gap(%)
FP	1.96	**34.66**	1.56	**48.0**	1.66	**44.66**	1.73	42.3	1.53	49.00
TO1	2.33	22.33	1.60	46.6	2.03	32.33	1.96	34.6	1.76	41.30
TO2	**2.53**	15.66	**2.80**	06.6	**2.46**	18.00	**2.56**	**14.6**	**2.63**	12.33

Observation : The understanding of the technology and message is more in using X pert app which is available in time and user friendly and suitable to their situation and farming system

OFT-7

Title of OFT	Technology options
Assessment of point of discontinuance in Rice fallow management	FP: Farmers keeping areas fallow after rice Cultivation TO1: Farmers cultivating pulses/oilseeds in fallow areas under any govt. (line dept./KVK) assistance/programme TO2: Farmers discontinue after discontinuance of govt. assistance

Result:

Treatments	Awareness on crop diversification N=30			Effective Extension approach N=30			Aavailability of resource N=30			Feasibility of Technology N=30		
	SA	A	DA	SA	A	DA	SA	A	DA	SA	A	DA
FP	3	9	18	0	7	23	0	7	23	4	11	10
TO1	12	8	10	14	9	7	5	14	11	12	8	10
TO2	5	16	9	4	8	18	2	6	12	8	16	6

Recommendations-

Awareness on crop diversification and feasibility of technology is there, but discontinuation is due to lack of resource availability like inputs, irrigation and approach

OFT-8

1.	Title of On farm Trial	Assessment of low cost concentrate mixture on CB heifer for early onset of estrus
2.	Problem diagnosed	Delayed estrous in CB heifers due to Improper nutrition of dairy heifer animals, late puberty
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: Grazing + Straw @ 6-8 kg/day + Conc. Mix 1 (Maize-50%, Wheat bran-30%, GNOC-17%, mineral mix -2.5%, salt -0.5%) TO2: Grazing + Straw @ 6-8 kg/day + Conc. Mix 2 (Maize-25%, Broken rice-25% Wheat bran – 30%, GNOC-10%, Chuni-7%, mineral mix -2.5%, salt -0.5%)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IGFRI, Jhansi -2017
5.	Production system and thematic area	Grazing and Homestead
6.	Performance of the Technology with performance indicators	Body weight at puberty, age at first heat, conception rate
7.	Final recommendation for micro level situation	Concentrate feeding increased the BW gain and supported early maturity
8.	Constraints identified and feedback for research	Interested farmers are doing eagerly.
9.	Process of farmers participation and their reaction	Participated farmers were happy and satishfied

Thematic area:

Problem definition: Delayed estrous in CB heifers due to Improper nutrition of dairy heifer animals, late puberty

Technology assessed: TO-1: Grazing + Straw @ 6-8 kg/day + Conc. Mix 1 (Maize-50%, Wheat bran- 30%, GNOC-17%, mineral mix -2.5%, salt -0.5%)

TO2: Grazing + Straw @ 6-8 kg/day + Conc. Mix 2 (Maize-25%, Broken rice- 25% Wheat bran – 30%, GNOC-10%, mineral mix -2.5%, salt -0.5%)

Table:

Technology option	No. of trials	Yield component			Avg. Age at first heat (month)	Avg. Conception rate (%)	Net Return/Cow (6 months)	BC ratio
		Avg. BW at puberty (Kg)	-	-				
FP- Grazing , heavy straw feeding and occasional concentrate feeding (4-5 kg wheat bran	05	252			23	16	11,500	2.57
TO1- Grazing + Straw @ 6-8 kg/day + Conc. Mix 1 ICAR-IGFRI, Jhansi -2017	05	273			19	37	21,400	2.96
TO2- Grazing + Straw @ 6-8 kg/day + Conc. Mix 2 ICAR-IGFRI, Jhansi -2017	05	266			21	31	17,500	2.77

Results:
Good quality photographs of different treatments:

OFT-9

1.	Title of On farm Trial	Assessment of Duck breeds in Bolangir District
2.	Problem diagnosed	Ducks reared are either Desi or from local sellers. Duckling mortality is more in case of local sellers and associated with poor growth in case of desi ducks.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Khaki Campbell Day old ducklings each 10 nos. TO2: DK (Desi X Khaki Campbell) Day old ducklings each 10 nos.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CARI, BBSR, 2016-17
5.	Production system and thematic area	Homestead, LPM
6.	Performance of the Technology with performance indicators	Duckling mortality, Weight Gain in 6,8,10 and 16 weeks, Egg production status
7.	Final recommendation for micro level situation	Weight gain in DK breed is better in comparision to Khaki. Mortality is also less in case of DK
8.	Constraints identified and feedback for research	Availability of DK breed may be a constrain
9.	Process of farmers participation and their reaction	Participated farmers were happy and satishfied

Thematic area:

Problem definition: Poor growth in case of Desi ducks and ducks from on local sellers

Technology assessed: TO1: Khaki Campbell Day old ducklings each 10 nos.

TO2: DK (Desi X Khaki Campbell) Day old ducklings each 10 nos.

Table:

Technology option	No. of trials	Avg. mortality up to 4 weeks	Avg. BW at 6week age	Avg. BW at 16week age	Net return 20 birds	BC ratio
FP-Local ducks or ducklings from local sellers	10	14%	485 g	Results awaiting		
TO1-Day old Khaki campbell with intensive rearing up to 15days then reared following backyard system	10	15%	850 g			
TO2-Day old DK duck with intensive rearing up to 15days then reared following backyard system	10	11%	970 g			

Results:

Good quality photographs of different treatments:





Please provide all the OFTs in same format

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ Demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Rice	weed management	Application of Cyhalofop butyl + Penoxulam @ 135g/ha at 20 DAT	2	2	-	-	-	-	10	-	10	-	10	
2	Maize	weed management	Pre-emergence application Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ai ml/ha at 21 DAS(4-5 leaf stage)	2	2	-	-	-	-	10	-	10	-	10	
3	Cotton	Weed management	Application of pendimethalin @ 1.0 Kg a.i./ ha as pre-emergence with Qiizalofop-p-ethyle @ 50g a.i./ ha and one hand weeding at 45 DAS minimizes weed in cotton and increases cotton yield.	2	2	-	-	-	-	10	-	10	-	10	
4	Sunflower	Nutrient management	STB fertilizer application(RDF:60:80:60kg and :P2O5:K2O/ha)+Znso4@25kg/ha+Borax @10kg/ha+Biofertiliser(Azotobacter+Azospirillum+PSB 1:1:1@ 4kg/ha each)incubated with FYM for 7 days	2	2	-	-	-	-	10	-	10	-	10	
5	Rice	ICT	Demonstration on effectiveness of short technology videos on technology adoption	3 SHG	3 SHG	-	-	-	-	30	-	30	-	30	
6	Groundnut		Demonstration of usefulness of crop calendar for improving the technical knowledge of farmers and application of technology in groundnut	30	30	2	0	2	0	26	0	30	0	30	

7	Rice	Farm Mechanisation	Demonstration of DSR by Multi crop-seed-fertilizer drill	2 ha	2 ha		-	-	-	5	-	5		5	
8	Mushroom	Mushroom Production	Pre-cooling 6 kg paddy straw mushroom at 14°C for 2h followed by packing in 75 µ HIPS punnet (24 no of punnets with 250 g sample) can be transported to distant markets in modified EPS cabinet with 6 kg ice placed in the separate side compartment					10	10						
9	Tomato	Irrigation	Use of 50 micron mulch film with inline drip irrigation (emitter discharge 4 lph) operating for 1 hr-2hr daily and water use efficiency will be increased by 30-40% yield enhancement (15-20)%	0.8 ha	0.8 ha		5		5			5		5	
10	Ground nut	Farm Mechanisation	Demonstration on tractor drawn multicrop seed cum fertilizer drill for sowing groundnut	2 ha	2 ha							5		5	
11	Cow	LPM	Grazing+ concentrate +Bypass fat @15-20 gm/kg milk/day +Mineral mix @50g/cow/day	09 cows	09 cows	1	0	1	0	7	0	9	0	9	
12	Goat	LPM	Feeding Kids (3m) with mineral mixture @10g/day/goat and Concentrate @ 50-70g/goat/day upto 60 days	60 goats	60 goats	0	0	2	0	8	0	10	0	10	
13	Goat	LPM	Supplementation of 100g concentrate per day and 20g mineral mix for 30 days before parturition and upto 60 days after parturition	50 does	50 does	6	4	0	0	0	0	6	4	10	
14	Poultry	LPM	Rearing of day old Vezaguda chick with proper brooding (feeding upto 21 days and vaccination upto 28 days) and further rearing in backyard system	400 nos. of DOC	400 nos. of DOC	16	4	0	0	0	0	0	16	04	
15	Marigold	Floriculture	Early seed raising transplanting in october-nov NPK 100:200:100	0.4	0.4	0	4	0	1	0	5	0	10	10	
16	Tuberose	Floriculture	Planting in june-july Spacing 30X30 N:P:K 160:160:160	0.4	0.4	2	0	0	0	7	1	2	8	10	

Cereals

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Rice	*Kharif*	RF	loam	280	14	140	Green gram	15.07.2024	20.11.2024	969.19	62

Rice	*Kharif*	RF	loam	220	12	120	rice	20.07.2024	25.11.2024	969.19	62
Maize	*Kharif*	RF	loam	240	13	130	Rice	05.07.2024	22.10.2024	969.19	62
Maize	*Kharif*	RF	loam	230	17	180	rice	08.07.2024	03.11.2024	969.19	62

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

Pulses

Frontline demonstration on pulse crops

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

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

Other crops

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

Rice	weed management	Application of Cyhalofop butyl + Penoxulam @ 135g/ha at 20 DAT	10	2	40.6	38.8	4.6			43000	82824	39824	1.93	48000	79152	31152	1.65
Cotton	IWM	Application of pendimethalin @ 1.0 Kg a.i./ ha as pre-emergence with Qizalofop-p-ethyle @ 50g a.i./ ha and one hand weeding at 45 DAS minimizes weed in cotton and increases cotton yield.	10	2	15.75	10.25	53.65			40500	1,12,155	71655	2.76	42256	72990	30734	1.72
Maize	weed management	Pre-emergence application Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ai ml/ha at 21 DAS(4-5 leaf stage)	10	2	62	56	10.7			62000	121644	59644	1.96	64000	109872	45872	1.72
Maize	weed management	Pre-emergence application Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ai ml/ha at 21 DAS(4-5 leaf stage)	10	2	62	56	10.7			62000	121644	59644	1.96	64000	109872	45872	1.72

TOMATO	Micro irrigation	Use of 50 micron mulch film with inline drip irrigation (emitter discharge 4 lph) operating for 1 hr-2hr daily and water use efficiency will be increased by 30-40% yield enhancement (15-20)%	5	0.8	221.6	192.2	15.29%			95250	265920	170670	2.8	88250	230640	125140	2.61
marigold	Varietal substitution	Early seed raising transplanting in october-nov NPK 100:200:100	10	1	198	160	23.75			82800	217800	135000	1.6	80100	200100	120000	1.5
Tuberose	Varietal substitution	Planting in june-july Spacing 30X30 N:P:K 160:160:160	10	0.5	133	101	31			60000	159600	99600	1.6	56200	110400	63200	1.1
		Total															










Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	LPM	Demonstration of Bypass fat and mineral mixture feeding for sustained milk production	10	10	Avg milk yield/ cow/day 9.27 liter	Avg milk yield/ cow/day 8.4 liter	6.5	Avg. LR value 29.7	Avg. LR value 26.8	121/cow/ Day (Labour + Grain +Suppliment)	375/cow/ day (@ Rs. 40/l of milk due to high LR value	254/cow/ Day	3.09	94/cow/ Day (Labour + Grain)	247 (@ Rs. 30/l of milk due to low LR value	153/ Cow/ Day	2.62
Cow																	
Poultry	LPM	Demonstration on backyard or low input technology (LIT bird breed- Vezaguda)	20	400	Wt. gain in 4m period Kg 1.38	Wt. gain in 4m period Kg 0.81		Avg. Mortality rate- 09%	Avg. Mortality rate- 14%	1660 / 4 months for 20 birds (includes labour, feeding upto 21 days and vaccination)	6210/- upto 4 months for 18 birds@ Rs. 250/Per kg	4550/- per one lot (as per the wt. gain in 4 months)	3.84	1200 upto 4 months for 20 birds labour	3888 upto 4 months for 16 birds@ Rs. 300/Per kg	2688/- Chick as per the wt gain in 4months	3.24
Pigerry																	
Sheep and goat	LPM	Demonstration on dietary supplementation of mineral mixture and concentrate on juvenile growth of goats	10	60	Wt. gain in 2m period Kg (3-5 months) 5.96	Wt. gain in 2m period Kg (3-5 months) 3.43	75	-	-	540/ goat In 2 months (Labour + Conc. (@70g/day) + Probitotic	2384/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1844/ goat as per 2m wt gain	4.41	360/ goat/ 2monts (labour cost)	1372/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1012 /goat as per 2m wt gain	3.81
Sheep and goat	LPM	Demonstration on mineral mix supplementation to improve production performance of goats in periparturient period	10	50	Health status Good	Health status Good		Avg. No. of kid born 1.5	Avg. No. of kid born 1.5	Result awated							
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** B
Paddy straw mushroom	Enterprise development	10	10	Shelf life (days) 3	Shelf life (days) 1		(%)Veil opening after 2 days (12%)	(%)Veil opening after 2 days (64%)	510	1080	570	2.1	450	780	330	1.7
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total		10	10													

* 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 Demonstration programme

Title-	Demonstration on effectiveness of short technology videos on technology adoption			
Details of Technology-	Preparation of small videos (1.5-2.0 minutes) on mushroom production and same will be sent through WhatsApp to the identified farmers			
Observation Parameters	Farmers Practice		Recommended Practice	
	Mean Score	Gap %	Mean Score	Gap %
Informative	2.5	16.6	2.76	8
Understandable	2.16	28	2.8	6.7
Timeliness	2.4	20	2.5	16.6
Applicability	2.1	30	2.73	9
Sustainability	1.96	20	2.53	15.6
Change in Knowledge	1.83	39.0	2.63	12.3
Change in skill	1.46	51.3	2.40	20.0
Change in adoption	1.63	45.6	2.33	22.3
Result-	In demonstration practice, minimum gap is found in case of understanding of the message /technology and it is recommended to provide the video information in time . In farmers practice maximum gap is observed in case of skill up gradation and higher level of adoption is found in recommended practice			

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									
tractor drawn rotavator	Rice	tractor drawn rotavator	10	1	42.6	63.4	48.8	5000		2500		39,820		43,270	
Tractor drawn multicrop Seed cum fertilizer drill	Groundnut	Tractor drawn multicrop Seed cum fertilizer drill	5	2	Field capacity(ha/h) 0.4	Field capacity(ha/h) 0.066						53239		42389	

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

** BCR= GROSS RETURN/GROSS COST

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

Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Good quality photographs of FLDs

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Dairy	Feeding of bypass fat and mineral mixture is a very good approach in case of high yielding cows. In case of cows with 5-6 litres milk yield per day the said approach will not have good impact in terms of BC ratio
2	Goat	Feeding of concentrate along with probiotics gave very good result and was accepted well by the farmers
3	Poultry	Demonstration on Kalinga Pallishree produced a mixed response from the farmers. Chick mortality was found to be in a little higher side. Growth rate was well appreciated but the look was more towards a colour broiler.

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	12.09.2024	1	25	Training at Bargaon on Importance of bypass fat and mineral mix feeding in dairy cows
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under Model Pulse Village Programme and CFLD on Oilseed Crops during Kharif2024:

A. Technical Parameters (Model Pulse Village Programme-2024-25)

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.	Avg.	D	S	P
1	Pigeon pea	Kandul	6.5	1279	1212	2000	Pigeon pea variety LRG-52 with weed management, pest& disease management practices	350	180	14.2	10.6	12.7	15.74	19.5	57.4
2	Blackgram	Local	5.6	638	557		Blackgram var.PU-11-25 with recommended package of practices	125	70	7.8	7.2	4.9			
3	Lentil	Local	5.1	564	550		Lentil var.Sekhar-5 with recommended package of practices	100	50	7.4	6.8	5.3			

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	Pigeon pea variety LRG-52 with weed management,pest& disease management practices	45000	78000	33000	1.73	70000	152400	82000	2.17
2	Blackgram var.PU-11-25 with recommended package of practices	37400	67200	29800	1.8	40000	86400	46400	2.2
	Lentil var.Sekhar-5 with recommended package of practices	42500	61200	18700	1.4	43000	81600	38600	1.9

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)
	Pigeon pea Variety LRG-52 (Amaravati)	228600	1100	120	7600	8400	Fulfilling the Household requirements and Daily Need	3
	Blackgram var.PU-11-25	50400	650	120	2800	6500	Fulfilling the Household requirements and Daily Need	3
	Lentil var.Sekhar-5	34000	600	120	2500	4600	Fulfilling the	3

							Household requirements and Daily Need	

D. Pulses 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
	Line sowing with improved variety-LRG-52 with weed management and Disease & Pest management	Suitable for this farming system with higher yield than local variety	Yes	Yes	No	Yes	No
	Line sowing with improved variety-PU-11-25 with weed management and Disease & Pest management	Suitable for this farming system with higher yield than local variety	Yes	Yes	No	Yes	No
	Line sowing with improved variety-Sekhar-5 with weed management and Disease & Pest management	Suitable for this farming system with higher yield than local variety	Yes	Yes	No	Yes	No

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Yellow pod color, maroon color seed,160-170 duration, moderate tolerant to wilt ,year of release :2015	Good performance	Good yield with adaptable to farming situation	Suitable for this farming situation and giving more yield by this variety
Black color seed, bold,80-85 duration,	Good performance	Good yield with adaptable to farming situation	Suitable for this farming situation and giving

moderate tolerant to wilt ,year of release :2020			more yield by this variety
Seed color reddish grey small seeded,110-115 duration ,resistant to wilt & rust ,year of release :2015	Good performance	Good yield with adaptable to farming situation	Suitable for this farming situation and giving more yield by this variety

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training on Cultivation practices and Disease & pest management Practices	Mayabarha	30
2	Training on Disease and pest management Practices	Ankriapadar	30
3.	Training on Package and practices of Blackgram	Mayabarha	30
4.	Training on Package and practices of Lentil	Ankriapadar	30

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

H. Farmers' training photographs

I.**Quality ActionPhotographs of field visits/field days and technology demonstrated.**

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeonpea,Blackgram,Lentil	i) Critical input	NIL	9,15,000	Fund not Released in 2024-25
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	NIL	9,15,000	

B. Technical Parameters (CFLD on Oilseed-2024-25)

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	Sesame	Local	5.8	463	467	1000	Sesame var. Kalinga sesame-3 with PP chemicals & bio fertlisers	125	60	8.4	5.7	7.2	35.69	35.1	38.8
2.	Sunflower	Local	Cont..	1504	1001	2000	Sunflower var. KBSH-78 with recommended package & practices	150	80	18.2	17.4	15.7	13.56	42.4	0.13

J. 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	Sesame var. Kalinga sesame-3 with PP chemicals & bio fertilisers	33500	63800	30300	1.8	36000	43200	37600	2.2

K. 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)
	Sesame var. Kalinga sesame-3 with PP chemicals & bio fertilisers	43200	600	110	1400	3680	Fulfilling the Household requirements and Daily Need	4

L. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
	Sesame var. Kalinga sesame-3 with PP chemicals & bio fertlisers	Suitable for this farming system with higher yield than local variety	Yes	Yes	No	Yes	No

M. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Brown color seed,80-85 days duration, moderate tolerant to wilt ,year of release :2020	Good performance	Good yield with adaptable to farming situation	Suitable for this farming situation and giving more yield by this variety

N. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training on Cultivation practices and Disease & pest management Practices	Rengali	30
2	Training on Disease and pest management Practices	Jharnipali	30

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

P. Farmers' training photographs

Q. **Quality ActionPhotographs of field visits/field days and technology demonstrated.**

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame,Sunflower	i) Critical input	932750	410868	521882
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	932750	6,31,000	521882

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management													
Soil & water conservation													
Integrated nutrient Management													
Production of organic inputs													
Others													
Total													
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													

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
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in													

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													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													

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
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL													

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	0	0	0	4	11	15	0	0	0	4	11	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production	1	0	0	0	5	10	15	0	0	0	5	10	15
Integrated farming	1	15	0	0	0	0	0	0	0	0	15	0	15
Production of organic inputs	1	0	0	0	0	15	15	0	0	0	0	15	15
Planting material production													
Vermicomposting	1	8	0	8	5	0	8	2	0	2	15	0	15
Mushroom Production													
Beekeeping													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Potential Entrepreneurship development	1	13	0	13	2	0	2	0	0	0	15	0	15
Marketled Production	1	8	4	12	2	0	2	1	0	1	11	4	15
Small implements for farm women	1	0	0	0	0	15	15	0	0	0	0	15	15
Value addition	1	0	0	0	0	15	15	0	0	0	0	15	15
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying	1	15	0	15	0	0	0	0	0	0	15	0	15
Sheep and goat rearing	1	0	0	0	8	7	15	0	0	0	8	7	15
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	0	0	0	11	4	15	0	0	0	11	4	15
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total	**12**	**59**	**04**	**48**	**37**	**77**	**117**	**03**	**0**	**03**	**99**	**81**	**180**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated crop Management	1	12	0	12	2	0	2	1	0	1	15	0	15
Integrated Nutrient management	1	10	0	10	3	0	3	2	0	2	15	0	15
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protected cultivation technology													
Production and use of organic inputs	1	10	0	10	3	0	3	2	0	2	15	0	15
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Role of social Media in Agriculture Extension	1	9	2	11	3	0	3	1	0	1	13	2	15
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	2	16	1	17	8	1	8	3	2	5	27	3	30
Livestock feed and fodder production	1	6	3	9	2	0	2	4	0	4	12	3	15
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	**7**	**64**	**6**	**69**	**21**	**01**	**21**	**13**	**2**	**15**	**97**	**8**	**105**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	25	25	50	-	-	-	-	-	-	25	25	50
Resource Conservation Technologies	1	25	0	25	-	-	-	-	-	-	25	-	25
Cropping Systems	1	25	0	25	-	-	-	-	-	-	25	-	25
Crop Diversification	1	25	0	25	-	-	-	-	-	-	25	-	25
Integrated Farming	2	25	25	50	-	-	-	-	-	-	25	25	50
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	4	80	20	100	-	-	-	-	-	-	90	10	100
Soil & water conservation													
Integrated nutrient Management	1	25	0	25	-	-	-	-	-	-	25	-	25
Production of organic inputs													
Others													
Total	**12**	**230**	**70**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**240**	**60**	**300**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	1	0	0	0	13	12	25	0	0	0	13	12	25
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	1	11	9	0	2	1	3	1	1	2	14	11	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others	1	0	25	0	0	0	0	0	0	0	0	25	25
Total (a)	**3**	**11**	**34**	**0**	**15**	**13**	**28**	**1**	**1**	**2**	**27**	**48**	**75**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management	2	4	23	27	5	18	23	0	0	0	9	41	50
Poultry Management	2	34	7	44	0	1	1	5	0	5	42	8	50
Piggery Management													
Rabbit Management													
Animal Nutrition Management	2	26	9	35	2	1	3	12	0	12	47	3	50
Feed & fodder technologies	1	13	0	13	0	0	0	12	0	12	25	0	25
Production of quality animal products													
Others (Goat)	3	68	0	68	0	0	0	7	0	7	75	0	75
Total	**10**	**148**	**39**	**187**	**7**	**20**	**27**	**36**	**0**	**36**	**198**	**52**	**250**
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance	2	24	0	24	18	0	18	8	0	8	50	0	50
Installation and maintenance of micro irrigation systems	2	31	12	43	6	1	7	0	0	0	37	13	50
Use of Plastics in farming practices	1	19	6	25	-	-	-	-	-	-	19	6	25
Production of small tools and	1	3	22	25	-	-	-	-	-	-	3	22	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	1	9	16	25	-	-	-	-	-	-	9	16	25
Post Harvest Technology	3	40	10	50	15	10	25				55	20	75
Others	1	-	-	-	20	5	25				20	5	25
Total	11	126	66	192	59	16	75	8	0	8	193	82	275
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
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													

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
Leadership development													
Group dynamics	1	17	5	22	1	0	1	2	0	2	20	5	25
Formation and Management of SHGs	1	0	19	19	0	6	6	0	0	0	0	25	25
Mobilization of social capital	1	14	2	16	2	7	9	0	0	0	16	9	25
Entrepreneurial development of farmers/youths	2	18	0	18	6	25	31	1	0	1	25	25	50
WTO and IPR issues	2	24	9	33	9	3	12	3	2	5	36	14	50
Others	2	0	0	0	0	50	50	0	0	0	0	50	50
Total	9	73	35	108	18	91	106	6	2	7	97	128	225
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**45**	**588**	**244**	**787**	**99**	**140**	**236**	**51**	**3**	**53**	**755**	**370**	**1125**

E)RURAL YOUTH (Off Campus)

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

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
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total													

F) Extension Personnel (Off Campus)

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

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	25	25	50	-	-	-	-	-	-	25	25	50
Resource Conservation Technologies	1	25	0	25	-	-	-	-	-	-	25	-	25
Cropping Systems	1	25	0	25	-	-	-	-	-	-	25	-	25
Crop Diversification	1	25	0	25	-	-	-	-	-	-	25	-	25
Integrated Farming	2	25	25	50	-	-	-	-	-	-	25	25	50
Micro irrigation/irrigation													
Seed production													
Nursery management													
Integrated Crop Management	4	80	20	100	-	-	-	-	-	-	90	10	100
Soil & water conservation													
Integrated nutrient Management	1	25	0	25	-	-	-	-	-	-	25	-	25
Production of organic inputs													
Others													
Total	**12**	**230**	**70**	**300**	**0**	**0**	**0**	**0**	**0**	**0**	**240**	**60**	**300**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off season vegetables	1	0	0	0	13	12	25	0	0	0	13	12	25
Nursery raising													
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation	1	11	9	0	2	1	3	1	1	2	14	11	25
Others	1	0	25	0	0	0	0	0	0	0	0	25	25
Total (a)	**3**	**11**	**34**	**0**	**15**	**13**	**28**	**1**	**1**	**2**	**27**	**48**	**75**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management													
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management	2	4	23	27	5	18	23	0	0	0	9	41	50
Poultry Management	2	34	7	44	0	1	1	5	0	5	42	8	50
Piggery Management													
Rabbit Management													
Animal Nutrition Management	2	26	9	35	2	1	3	12	0	12	47	3	50
Feed & fodder technologies	1	13	0	13	0	0	0	12	0	12	25	0	25
Production of quality animal products													
Others (Goat)	3	68	0	68	0	0	0	7	0	7	75	0	75
Total	**10**	**148**	**39**	**187**	**7**	**20**	**27**	**36**	**0**	**36**	**198**	**52**	**250**
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance	2	24	0	24	18	0	18	8	0	8	50	0	50
Installation and maintenance of micro irrigation systems	2	31	12	43	6	1	7	0	0	0	37	13	50
Use of Plastics in farming practices	1	19	6	25	-	-	-	-	-	-	19	6	25
Production of small tools and implements	1	3	22	25	-	-	-	-	-	-	3	22	25
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	1	9	16	25	-	-	-	-	-	-	9	16	25
Post Harvest Technology	3	40	10	50	15	10	25				55	20	75
Others	1	-	-	-	20	5	25				20	5	25
Total	**11**	**126**	**66**	**192**	**59**	**16**	**75**	**8**	**0**	**8**	**109**	**82**	**275**
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental													

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
fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
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	1	17	5	22	1	0	1	2	0	2	20	5	25
Formation and Management of SHGs	1	0	19	19	0	6	6	0	0	0	0	25	25
Mobilization of social capital	1	14	2	16	2	7	9	0	0	0	16	9	25
Entrepreneurial development of farmers/youths	2	18	0	18	6	25	31	1	0	1	25	25	50
WTO and IPR issues	2	24	9	33	9	3	12	3	2	5	36	14	50
Others	2	0	0	0	0	50	50	0	0	0	0	50	50
Total	9	73	35	108	18	91	106	6	2	7	97	128	225
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**45**	**588**	**244**	**787**	**99**	**140**	**236**	**51**	**3**	**53**	**755**	**370**	**1125**

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	0	0	4	11	15	0	0	0	4	11	15
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production	1	0	0	0	5	10	15	0	0	0	5	10	15
Integrated farming	1	15	0	0	0	0	0	0	0	0	15	0	15
Production of organic inputs	1	0	0	0	0	15	15	0	0	0	0	15	15
Planting material production													
Vermicomposting	1	8	0	8	5	0	8	2	0	2	15	0	15
Mushroom Production													
Beekeeping													
Potential Entrepreneurship development	1	13	0	13	2	0	2	0	0	0	15	0	15
Marketled Production	1	12	0	12	6	0	6	2	0	2	20	0	20
Small implements for farm women	1	0	0	0	0	15	15	0	0	0	0	15	15
Value addition	1	0	0	0	0	15	15	0	0	0	0	15	15
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying	1	15	0	15	0	0	0	0	0	0	15	0	15
Sheep and goat rearing	1	0	0	0	8	7	15	0	0	0	8	7	15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	15	0	15	0	0	0	0	0	0	15	0	15
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total	**12**	**78**	**0**	**78**	**30**	**73**	**103**	**4**	**0**	**4**	**112**	**73**	**185**

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 crop Management	1	12	0	12	2	0	2	1	0	1	15	0	15
Integrated Nutrient management	1	10	0	10	3	0	3	2	0	2	15	0	15
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Protected cultivation technology													
Production and use of organic inputs	1	10	0	10	3	0	3	2	0	2	15	0	15
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Role of social Media in Agriculture Extension	1	9	2	11	3	0	3	1	0	1	13	2	15
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	2	16	1	17	8	1	9	3	2	5	27	3	30
Livestock feed and fodder production	1	6	3	9	2	0	2	4	0	4	12	3	15
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	**7**	**63**	**6**	**69**	**21**	**01**	**22**	**13**	**2**	**15**	**97**	**8**	**105**

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

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Paddy	IFS	Integrated Farming System 30.9-4.10	5	21	9	30	IFS	6	12	2
Vegetable	QPM	Production Technique of Seed &Quality Planting Material 3.10-7.10	5	18	12	30	Nursery	11	11	3
Organic input production	Organic Farming	Preparation & Use of Organic inputs 22.9-23.9	5	24	6	30	Composting	8	8	2
Dairy	Dairy management	Profitable Dairy Farming 4-8.10	5	23	7	30	Dairy	3	4	2

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming	15	18	3	21	2	1	3	4	2	6	24	6	30
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													

Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing	15	19	4	23	2	1	3	2	2	4	23	7	30
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery &implements													
Rural Crafts													
Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.	15	15	9	24	2	1	3	1	2	3	18	12	30
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other	15	18	7	25	2	1	3	1	1	2	21	9	30
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

Good quality photographs of training activity:

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	4	86	34	120	12	6	4	10	92	38	130
Kisan Mela	3	212	88	300	28	16	9	25	228	97	325
Kisan Gosthi											
Exhibition	5	550	450	1000	18	75	25	100	625	475	1100
Film Show	15	240	260	500	19	8	6	14	248	266	514
Method Demonstrations	12	85	48	133	21	6	3	9	91	51-	142
Farmers Seminar											
Workshop											
Group meetings	16	136	247	383	22	5	4	9	141	251	392
Lectures delivered as resource persons	28	780	350	1130	27	28	12	40	808	377	1185
Advisory Services	22	430	180	610	16	12	18	30	442	198	640
Scientific visit to farmers field	87	650	230	880	14	14	12	26	664	242	996
Farmers visit to KVK	35	255	475	730	23	45	85	130	300	560	860
Diagnostic visits	18	112	26	138	13	26	9	35	138	32	170
Exposure visits	3	66	4	70	5	2	0	2	68	4	72
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns											
Farm Science Club Conveners meet											
Self Help Group Conveners meetings	5	0	150	150	12	2	5	7	0	150	150
MahilaMandals Conveners meetings											
Celebration of important days	3	35	65	90	23	1	-	1	36	65	101
World Food Day	1	15	35	50	27	2	1	3	17	36	53
International Women Day	1	0	50	50	32	1	3	4	1	53	54
Krishak Samman Nidhi webcasting	3	45	115	160	26	8	5	13	53	120	173
Jal Shakti Abhiyan											
Women in agriculture day	1	-	50	50	17	-	3	3	-	53	53
World Soil day	1	48	32	80	12	7	6	13	55	38	93
Total	263										7203

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	7
Radio talks	2
TV talks	1
Popular articles	3
Extension Literature	3
Other, if any	

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
Paddy seeds	Pooja(FS)	93q	-								
	Pooja(CS)	83q									
Paddy seeds	Swarna shreya	105q	-								
Grand Total		281									

Good quality photographs of seed production:

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Onion AFLR	AFLR	100000		3	2	1	3	15	4	19	9
Cabbage											
Tomato	Arka Rakshak	20000		3	8	1	3	12	22	16	33
Chili	Pusa sadabahar	4000									
Brinjal	Pusa uttam	4000									
Cabbage	Indu	5000		1	2	1	3	8	5	10	10
Cauliflower	Barkha	5000									
Fruits											
Mango											
Guava											
Papaya	Red Lady	2470		2	8	1	3	12	19	15	30
Drumstick	PKM-1	1200		1	3	0	2	8	12	9	17
Banana											
Others											
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total		141670									

Good quality photographs of planting materials:

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers										
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Vermicompost.	20q	30000	1	0	1	0	7	2	9	2
Vermi	20 kg	10000	0	0	0	0	12	8	12	8
Total	220 kg	40000								

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	Vejaguda	1000	65000	18	22	0	0	0	10	18	32
Broilers											
Layers											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks	Khaki campbel	400	28000	0	20	0	0	0	0	0	20
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total		1400	93000	18	42	0	0	0	10	18	52

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: NA

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 (q)	Category of Seed (F/S, C/S)
Kharif 2024	Paddy	Pooja	1.5	1.5	83	C/S
	Paddy	Pooja	2	2	93	F/S
	Paddy	Swarna shreya	3	3	105	F/S
Rabi 2024-25						
Summer/Spring 2025						

iii) Financial Progress

Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2023-24				
2024-25				
2024-25				

iv) Infrastructure Development

Item	Progress
Seed processing unit	***Not Available***
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	1. Effect of intercropping and fertility levels on Pigeonpea based intercropping sysyem in rainfed uplandof North western plateau zone of Odisha 2. Foliar application of boron & molybdenum in cauliflower under West central table land zone of Odisha. 3. Performance Evaluation of stress tolerance rice variety Swarna shreya under FLD in Bolangir district,Odisha	Satapathy S, Sahoo D, Sarkar R K (2024) Indian Agriculturist:Vol.68 No.3&4P71-84 Behera R.D, Mohanty P, Satpathy S,Muna S,Sarkar D (2024) Indian Agriculturist:Vol.68 No.3&4P85-88 Mohanta B, Satpathy S,Sahu J, Sarkar D, Mishra PJ, Phonglosa A. (2024). International Journal of Environment & Climate change Vol. 14,issue-9 P 681-686		
Seminar/conference/ symposia papers	Impact of Foliar application of NPK fertilizer on productivity and profitability of Greengram Application of AI & ML for rainfed agriculture:Building pathways for resilience and sustainable livelihoods	Satpathy S,Mohanta B, Sahu J,Barik M, Sarkar D, Muna M Kar S, Satapathy S 2nd International Conference: Rainfed Agriculture : Building path way for resilience & sustainable livelihoods (29th-31st Jan 2025 at CRIDA)		
Books				
Bulletins				
News letter	Harishankar	All Scientist	500	
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	Intermittent reports, success stories etc	KVK reports	36	
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 cum Exposure visit on CSISA	Training on on LDS(Landscape Crop Assessment Survey for Pulses)	DrSatyamayaSatapathy, Sr Scientist and Head	18th and 19th June 2024	**Kalyani, WB**
	International Seminar, Exhibition and Poster presentation	"Rainfed Agriculture : Building Pathways for Resilience & Sustainable Livilihoods		29th to 31st Jan 2025	CRIDA, Hyderabad
	National Seminar at OUAT, Poster presentation	"Resource Management for climate Resilient Sustainable Food Production System"		6th and 7th March 2025	OUAT Bhubaneswar
	Training cum Exposure visit	Natural Farming		10th to 13nd March 2024	SAMBHAV Nayagarh, Odisha
	Training programme	Refresher training programme for Agronomy discipline		20th&21st March 2025	Agronomy Dept, OUAT Bhubaneswar
2.	Training programme	Refresher training programme for Scientist of KVK	Mr Monoj kumar Barik Scientist(Ag Ext)	27th& 28th March 2025	DEE, OUAT Bhubaneswar
		Advance technique in apiculture		26th& 27th July 2024	DEE, OUAT Bhubaneswar
		Refresher Training on Effective writing of Extension literature and Managing Extension activities		26 March 2025	DEE ,Bhubaneswar
3.	Training programme	Refresher training programme for Scientist of KVK	Dr. BijaylaxmiMohanta (Scientist Ag Eng)	27th& 28th March 2024	DEE, OUAT Bhubaneswar
4	Exposure visit	Exposure visit to Nimpith , WB	Dr. Tapan Kumar Palai Scientist Animal Science	16th& 17th March 2024	DEE, OUAT Bhubaneswar
	Interanational conference	Building Small Holder Climate Resilience for achieving sustainable food system		17-19 September 2024	OUAT Bhubaneswar
	Refresher training	Livestock Husbandry a Promsing avenue for livelihood enhancement		06-08 November 2024	DEE, OUAT Bhubaneswar
	Interanational conference	Agriculture for food security and nutrition		17-19 January 2025	OUAT Bhubaneswar
	Training cum Exposure visit	Natural Farming		10th to 13nd March 2025	SAMBHAV Nayagarh, Odisha
5	Training programme	Refresher training programme on Big data analysis KVK	Mr Rabi Narayan Satapathy, P.A(Comp)	16th&17th February 2024	DEE, OUAT Bhubaneswar
		App development		27 March 2025	
6	Training programme	Refresher training programme for Scientist (Hort& Forestry) of KVK	Mrs Sagarika Muna (FM)	6th& 7th march 2024	DEE, OUAT Bhubaneswar
		Recent advances in fruit production		Dec 17-18.2024	DEE,BBSR
		Recent Cutting edge technology in mushroom production		Feb24-25,2025	DEE,BBSR
		Pest Management in natural Farming		March25-26,2025	DEE,BBSR

3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2best 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
1	Through trainings , phone calls , Field diagnostic visits , farmers visit to KVK	Need analysis of FW training
2	During expedition of FLD , OFT programmes and monitoring the programmes	Need analysis of FW/RY/IStraining
3	Extension activities like group meetings , Ex-traineessammelan, field days , farmers fair, celebration of special days, other flagship programmes etc.	Need analysis of FW/ RYtraining
4	From line dept. officials and extension workers during SAC meeting, RE linkage interface meeting, Review meetings, workshop on kharif and Rabi programmes	Need analysis of IS training
5	Flagship programmes , Top down approach by competent authority wrt urgency by central and state Govt.	No tool followed

3.11. a. Details of equipment available inSoiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshyak soil testing kit	1

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (inRs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
	50	50	180	5	10000

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	Training on soil sample collection, testing and method of fertilizer recommendation	80	6	DebakiSahu (Z. P. President)	80	80

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/ FETprogramme– is KVK involved? (Y/N)

No of student trained	No of days stayed
12	45 days

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaSabhadipati/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
07-01.24	Dr. M.M.Mishra Prof. SarbanarayanMishra,HOD,Dept of Economics Dr. Tushar Ranjan Mohanty, Dept of Agrometeorology Dr.RabiRatna Dash Dr. SanatDwibedi	Pulse Evaluation programme
23-01-24	Er. JayanarayanMishra,CAET	NICRA farmers fair
25-01-24	Dr. Prasanta Kumar Mohanty,JDE,DEE,OUAT	To Attend 16thSAC meeting
7.10.24	Sj. Maheswar Sahu, President,State BJP Krushak Morcha ,Odisha	Ek Ped Maa ke Nam Plantation programme and KVK visit
21.11.24	Dr. Sarbani Das, JDE-Info,DEE,Bhubaneswar	To attend 17th SAC meeting
23.07.24	Prof. Prasannajit Mishra,Dean,Extension Education, OUAT,Bhubaneswar Dr. Susen Ku Panda, Dean, Research,OUAT	Site selection of AICRP on Dryland Agriculture

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)
Prodn. technique in Greengram	76	42	14,000/ ha	22,000/ ha
Prodn. technique in Chickpea	55	35	18,000/ ha	25,000/ ha
Soil health enhancement	100	24	21,000/ ha	35,000/ ha
Crop Production technology	150	35	32,000/ ha	43,000 / ha
Novel pesticides for IPM	40	55	20,000/ ha	30,000/ ha
Backyard Poultry	200	48	6000/ year	23,000/ year
Homestead Goatery	85	55	6500/goat/year	8500/goat/year

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
Herbicide application in pulses	6545 ha
INM in Vegetables	4120 ha
IPM in Vegetables	2200 ha
Stress tolerant Rice production in rainfed ecosystem	8700ha
Kitchen gardening	1560 households
Micronutrient application in Crucifer vegetables	8050 ha.
Judicious use of pesticides	5800 ha

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)	

4.2. 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
1	Demonstration on Hybrid Maize	58 famers till now got the requisite information on Hybrid Maize Agriculture department also spreading the technology	58 numbers of farmers doing Hybrid Maize cultivation regularly
2	Demonstration of Kavery, LIT bird in backyard	60 farmers got the detail information of Kavery in backyard	The farmers are continuously opting Kavery for backyard rearing
3	Demonstration on Kharif Onion and Resistant Tomato	Famers adopting the varieties and getting desirable information and result	60 numbers of farmers opting the varieties and the varieties are also further spreading in the district
4	Training on soil sample collection and analysis	Youths imparted with the trainings are spreading the technology in the district	40 numbers youths are provided with the training and now working at grass rout leve

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
All line departments	Research- Extension linkage meeting to decide on convergence of works for farmers and work in field jointly for farmers
Agriculture Departement	Diagnostic field visits, Trainings, Special day celebration
ARD	Animal Health camp, Awareness camp on disease management, Diagnostic field visit, Special day celebration, Trainings
NGO	Group meetings, Trainings
KVKs of neighbouring districts	Share of manpower, infrastructure, technology
Horticulture Dept	Monitoring of Orchards for stockings on quality planting material
CHES, NRRI and other ICAR institutes	Knowledge and skill development, Input Procurement
AIR/ Doordarshan	Broadcast of tech. messages and audio conference with farmers
ICARDA, N. Delhi	Procurement of pulse seeds for rainfed situation , monitoring of tech. activities
NABARD	Promotion of FPOs, Trainings of FPOs

5.2. List of special programmes undertaken during 2024by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety /breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicompost unit	2022	30	E. foetida	Vermicompost+vermin	20q+ 5kg	6800	15000	
2.	Dragon fruit	2022	1000	-	-	-	-		-
3.	Herbal garden	2017	500	-	-	-	-	-	-
4.	Cactus unit	2022	200	-	-	-	-	-	-
	Total					20q+ 5kg	6800	15000	

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	
Paddy	28.06.24	28.11.24	2	Pooja	FS	93q	-	-	
	28.06.24	28.11.24	1.5	Pooja	CS	83q			
Paddy	28.06.24	12.12.24	3	Swarna shreya	CS	105q	-	-	

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

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

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

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

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: No staff quarters

No. of staffquarters:Nil

Date of completion:NA

Occupancydetails:NA

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Current	State Bank Of India	Main Branch,Bolangir	30966088644

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31.03.2025
	Kharif	Rabi	Kharif	Rabi	
Sesame, Sunflower	9.32750	--	1.65757	2.45111	5.21882

7.3 Utilization of KVK funds during the year 2024-25 (in Rs.)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	--	--	93,96,399
2	Traveling allowances	1,50,000	1,50,000	1,44,658
3	HRD	30,000	30,000	22,000
4	Contingencies			
A	Stationeries, Telephone, Postage & Other Expenditure on office running	3,00,000	3,00,000	3,00,000
B	POL, repair of vehicle, tractor & equipment			
C	Meals refreshment for residential and non-residential training	2,25,000	2,25,000	2,25,000
D	Training Material (Need based materials for conducting training)			
E	FLD except Oilseed & Pulses	1,13,000	1,13,000	97,777
F	OFT	1,12,000	1,12,000	1,03,053
G	Additional Cont.	1,00,000	1,00,000	1,00,000
H	SCSP	10,73,000	10,73,000	10,71,800
I				
TOTAL (A)		21,03,000	21,03,000	1,14,60,687
B. Non-Recurring Contingencies				
1	Equipment & Furniture			
2	Library	10,000	10,000	10,000
3	Vehicle			
4	Works	5,00,000	5,00,000	4,99,744
TOTAL (B)		5,10,000	5,10,000	5,99,744
GRAND TOTAL (A+B)		26,13,000	26,13,000	1,20,60,431

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2025
	Kharif	Rabi	Kharif	Rabi	
Pulse-Pigeonpea, Blackgram,lentil	NIL	NIL	6.054	2.953	Fund not released till dt.31.03.2025

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20	5,81,086	6,91,900	4,55,243	
2020-21	1,38,301	7,05,559	5,84,142	
2021-22	5,33,950	11,45,818	6,29,929	
2022-23	3,34,993	12,53,786	8,30,655	
2023-24	9,23,314	11,58,509	7,92,097	1,18,509 in hand as on 1st April and 9,54,850 kind
2024-25	1,73,460	11,22,633	9,66,414	321852 /- in hand as on 1st April 2025

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
Research Extension interface	6	Kharif and Rabi 2024-25	Agriculture, Horticulture, ARD, Fishery		
Joint field to BPH affected area	6	Kharif 2024	Agriculture		
Field visit to vegetable patches	3	Kharif &Rabi 2024-25	Horticulture		
Diagnostic field visit	8	Kharif and Rabi-2024-25	Agriculture &ARD		
Resource person in trainings on Agriculture,Horticulture & livestock production	10	Kharif and Rabi 2024-25	Agriculture, Horticulture &ARD		
Animal Health Camp	4	Rabi 2024-25	ARD		
Celebration of World Egg day	1	Rabi 2024-25	ARD		
Celebration of Go sambardhanadiwas	1	Rabi 2024-25	ARD		
Celebration of World Soil Day	1	Rabi 2024-25	Agriculture		
Planting material verification	3	Rabi 2024-25	Horticulture		
NRM activities of NICRA village	2	Kharif 2024	Panchayat raj and Soil conservation		
Capacity building training to WSHG	2	Kharif and Rabi 2024-25	OLM and Mission Shakti		
Capacity building trainings to CEOs and BODs of FPOs	5	Rabi, 2024-25	NABARD and NGOs		

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)
BPH infestation	Paddy	Oct 1st week	2400	8	Awareness programmes, capacity building of farmers
Fall Army worm	Maize	July 4th week	230	12	Workshop, field visit , advisory to farmers, KMAS
Bacterial leaf Blight	Paddy	August 2nd week	2300	14	Workshop, field visit , advisory to farmers, KMAS

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)
PPR	Goat		54%	Vaccination done by dist ARD	
Lumpy skin disease	Cow	Incidence and prevalence , not in out break situation	Nil	Vaccination done by dist ARD	
Goat Pox	Goat		4%	Vaccination done by dist ARD	
FMD	Cow		Nil	Vaccination done by dist ARD	
RD	Poultry		45 %	-	
Avian pox	Poultry		4 %	Vaccination done by dist ARD	

9.1. Nehru YuvaKendra(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/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	37	9100
Livestock	22	3200
Fishery	nil	-
Weather	14	210
Marketing	5	415
Awareness	9	125
Training information	Nil	-
Other	4	7450
Total	89	

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachha Bharat Programme

Date/ Duration of Observation	Activities undertaken
28.08.2024 ,11.09.24,22.10.24	Awareness and cleaning program involving villagers of Odiapali, Plantation programme, Ek ped Maa ke Nam, Awareness on Organic farming
16.9.24 to 2.10.24	Swachhata Hi Seva fortnight celebration at different villages,Institutions, KVK doing the activities like cleaning premises, KVK demo units,campus and plantation programmes
2.10.2024	Swachhata Diwas celebration at village involving 120 school students, teachers and farmers and farm women and the activities like plantation, cleaning school premises, road show done on this occasion

b. Details of Swachhata activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	-	-
2. Basic maintenance	-	-
3. Sanitation and SBM	8	13000
4. Cleaning and beautification of surrounding areas		
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	3	15800
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	1	2000
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) Audit charge		
Total	**12**	**30800**

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ 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 Doordarshan (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/ SwachhtaPakhwadaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Swachhata Hi Seva	5	250	-	-
2	Swachhata Diwas	4	100	1	School Head Mistress, Sarpanch
3	Swachhata Pakhwada	5	150	1	Sarpanch

Please provide good quality photographs:

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	1	3	50	-	-

Please provide good quality photographs:

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	UdayaNaik	Village: Bargaon, Bolangir 9938732203	All season cultivation of sweet corn, goatery
2	RajuSahu	Village- Dangaghat, Bolangir-9348522356	Dairy and Goatery
3	Siba Prasad Barik	Village- Uparjhar, Bolangir-7608949481	Fodder farming, Goatery
4	UddhabaNaik	Village: Bargaon, Bolangir	Dairy
5	JayadevMerli	Village- Brahmnidungri , Loisingha 7735892296	Brinjal and Okra Cultivation
6	IndraSahu	Village: Darlipali , Khaprakhol, -9556452190	Cotton
7	PradumnaTeji	Village:Magurbeda, Loisingha- 9937623894	Relay cropping of Pointedgourd in single trellis system
8	RajlalChandan	Village: Bagbahal , Bongamunda ,Bolangir-6370664136	Onion cultivation
9	SatyabrataThati	Village:Banbahal, Bolangir- 8658942615	Fishery
10	MukundaBadhei	Village: Magurbeda, Loisingha- 9439875271	Onion
11	NitynandaSai	Village-Odiapali, Puintala 9439144782	Paddy, Green gram
12	ManojkumarMahar	Village-Odiapali, Puintala 7077227790	Paddy, greengram, dairy and poultry
13	Asis Patel	Village-Bargaon, Bolangir	Dairy
14	PanchananaSahu	Village- Odiapali , Puintala	Sheep and goat

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
22.1.2021	IMD	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
Odisha	Bolangir	Contingent plan for drought situation	3	68	Contingent measures for crops, live-stock, Fisheries wrt delayed or abrupt cessation for few days to few weeks

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 2024

Progress of DAPST for the year 2024 (Jan. to Dec., 2024)

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 (uptoRs 2000)	No.				
	5.13	Medium Equipment's/ machinery (uptoRs 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	tonnes				

		fertilizers					
	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 2024-25 (Rs. In lakh):

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2024

Progress of DAPSC for the year 2024 (Jan. to Dec., 2024)

Name of KVK		**Balangir**					
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.	10	10	250	250
	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.	0	0	0	0
3	**Front Line Demonstrations (FLDs) and other demonstrations**		No.	16	16	350	350
4	**Awareness camps, exposure visits etc.**		No.	1	1	30	30
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	300	300	50	50
	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.	500	500	50	50
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (uptoRs 2000)	No.	20	20	20	20
	5.13	Medium Equipment's/ machinery (uptoRs 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	20	20	20	20
	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	0.2	0.2	20	20
	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.	10	10	50	50
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.	5	5	10	10
	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.	150	150	50	50
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 2024-25 (Rs. In lakh):10.73 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	
Direct seeded rice	5	5	2	0	0	0	0	5	0	5	0	5	
Green manuring through Dhanicha cultivation	20	20	8	0	0	0	0	19	1	19	1	20	
New water harvesting structure(Farm pond)	2	2	15mX 15mX 3m	1	0	0	0	1	0	1	0	2	

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	
Stress tolerant rice cv. Swarna Shreya	10	0	0	0	0	19	6	19	6	25	
Heat tolerant rice cv. Mahendragiri	1.5	0	0	0	0	5	1	5	1	6	
Foliar application of NPK in Green gram	10	0	0	0	0	18	7	18	7	25	
Triple disease resistantTomato var. ArkaRakshak	0.4	0	0	0	0	8	2	8	2	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	
Feeding of bypass fat and mineral mix in milch cows for sustain milk production with high specific gravity	22	-	-	0	0	0	0	10	0	10	0	10	
Rearing of developed chicks var (Pallishree and kavery) in backyard	200	200	-	0	0	0	0	1	9	1	9	10	

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	
Custom hiring centre	9	-	0	0	0	0	23	7	23	7	30	
Rice seed bank	0	0	0	0	0	0	20	0	0	0	0	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Training on green manuring in paddy	1	0	0	0	0	9	16	9	16	25
Ttraining on Preparation & use of organic inputs	1	0	0	0	0	15	10	15	10	25
Training on Paddy straw mushroom	1	0	0	0	0	11	14	11	14	25
Training on Mechanization in Agriculture	1	0	0	0	0	8	17	8	17	25
Training on low cost feeding management in dairy cow	1	0	0	0	0	9	16	9	16	25
Training on rearing of LIT birds in backyard	1	0	0	0	0	7	18	7	18	25
Training on housing & Feeding management in small ruminants	1	0	0	0	0	12	13	12	13	25
Capacity building training on use and operation of small implements	1	0	0	0	0	10	15	10	15	25
	7	0	0	0	0	72	103	72	103	175

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Field day on DSR	1	0	0	0	0	26	14	26	14	40
Soil sample collection technique method demonstration to Students under PM Sri prog	1	2	1	1	1	28	17	31	19	50

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best Farmer	Rohita Sahu	2024	OUAT	-	Integrated farming
2	Best FPO	Pradeep Ku. Padhan	2024	OUAT	-	Best FPO

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 due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1	Paddy + Greengram production system	# Paddy var. Swarna shreya, line transplanting , herbicide oxadiargyl # Greengram var. Sikha, herbicide Imazethapyr, 1.5 % DAP spray once at flowering and second after 15 days # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Oyster mushroom (20 beds); Pallishree poultry(20 no.); Tissue culture banana G-naine(10 no.)	45,200 (FP 29,000)	2	
2	Paddy /	# Paddy Var. Pratikshya, 15 days	1,20,800	2	

	Vegetable-Greengram production system	early transplanting , herbicide, almix, STBF application # Veg like Brinjal, tomato, onion, micronutrient application, herbicide pendimethalin , seed treatment and nursery treatment with metalaxyl&mancozeb # Greengram Sikha, micronutrient, YMV management # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Oyster mushroom (20 beds); Pallishree poultry(20 no.); Tissue culture banana G-naine(10 no.)	(FP 77,000)		
	Rice/ Groundnut-Greengram production system	# G.Nut var. Kadri L, Herbicide imazethapyr, micronutrient zypmite , drenching with chloropyriphos, seed dressing with biofertiliser, veg. like growing of onion, cauliflower, Tomato # Pooja var. transplanting 21 days old seedling, herbicide byspyribac sodium # Greengram Sikha var. line sowing, Q.ethyl herbicide, micronutrient application. # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Oyster mushroom (20 beds); Pallishree poultry(20 no.); Tissue culture banana G-naine(10 no.)	88,600 (FP 55,100)	2	

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2024)					
II (up-to 24.04.2024)					
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 2024

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 2024

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	
IFS	Integratd Farming System	5 days	1	1	3	1	18	4	22	8	30	5,000
QPM	Production technique of seed &Quality Planting Material	5 days	2	1	2	2	14	9	18	12	30	5000
Organic farming	Preparation & Use of Organic inputs	5 days	1	2	2	3	13	9	16	14	30	5000
Dairy	Profitable Dairy Farming	5 days	2	0	2	1	20	5	24	6	30	5000

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
1					
2					
3					

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