

ANNUAL REPORT-2023 KVK BOLANGIR (January-December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

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

1.4. Year of sanction of KVK:2009

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining KVK/KVK,Bolangir	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	Senior Scientist& Head	Dr. Satyamaya Satpathy	Sr. Scientist & Head	Agronomy	57,700-1,82,800 (82,200)	07.06.2021	Temporary	Others
2	Subject Matter Specialist	Mr Monoj Kumar Barik	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. Bijaylaxmi Mohanta	Scientist (Ag. Engineering.)	Agril. Engineering	57,700-1,82,800 (84,700)	09.11.2009/12.07.2023	Temporary	OBC
4	Subject Matter Specialist	Dr. Tapan Kumar Palai	Scientist (Animal Science)	Animal Science	15,600-6000-39,100 (29,390)	17.06.2015/27.07.2018	Temporary	Others
5	Subject Matter Specialist	Vacant						
6	Subject Matter Specialist	Vacant						
7	Subject Matter Specialist	Vacant						
8	Programme Assistant	Vacant						
9	Computer Programmer	Rabi Narayan Satapathy	Prog. Asst (Computer)	Computer	35400-112400(64,100)	22.08.2005/21.11.2009	Temporary	Others
10	Farm Manager	Sagarika Muna	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	Biswa bashi Sarangi	Driver-cum-Mechanic	-	21700-69100 (27600)	14.02.2014/14.02.2014	Temporary	Others
15.	Supporting staff	Prafulla Palai	Peon-cum-Watchman	-	25,800	22.12.2007/28.06.2014	Temporary	Others
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	-		Incomplete / 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
Massey Tractor+trailer	2010	6.0 lakh	22348	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 processor Fx10 (Bajaj make)-1 no	2017-18	4950	Functioning	ICAR
b. Farm machinery				
Automatic hatcher	2020-21	88400	Not started	BT Kissan
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
Rotavator	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

1.8. Detailsof SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	18.11.2022	45	Demonstration and trainings related to natural farming should be added in KVK action plan	<ul style="list-style-type: none"> Two nos. of Farmers & Farmwomen training conducted at KVK campus and village-Buromunda Two nos. of Rural Youth trainings conducted at NICRA adopted village-Odiapali and KVK campus Demonstration conducted in Kharif on Natural farming at NICRA adopted village Demo unit of preparation of organic inputs like-Bijamrut&Jivamrut established in KVK campus 	
			Activities of all line departments should be converged at NICRA village of KVK to make the village as a model village	<ul style="list-style-type: none"> Demonstration on Rice fallow management (50 Acres) in NICRA village by Dept. of Agriculture, Bolangir Skill oriented training on Nursery raising was conducted by Dept. of Horticulture, Bolangir NRM works- Rejuvenation of Nala has been conducted by DRDA, Bolangir Skill training on Agarbati Preparation was provided by Odisha Livelihood Mission, Bolangir Skill training on Mushroom Cultivation was conducted by ORMAS 2 nos. of Animal health camps (1 health camp and 1 deworming camp) were organised at NICRA village in convergence with ARD, Bolangir 	
			KVK may give attention to produce seed at farmers' field along with KVK seed production unit.	<ul style="list-style-type: none"> Production 50 ha of Paddy seed var.Swarna Shreya was taken up in farmers field at Patnagarh and Paintable Block with help of Pataneswari and Pruthuna FPOs Production 10 ha of paddy seeds var.Swarna shreya was taken up in farmers in NICRA adopted village 	

			Training and Demonstration on fish production activities may be carried out taking the help from line department officials	<ul style="list-style-type: none"> 2 numbers of Trainings on “Pond and feed management in composite fish farming” were organised one at NICRA village and one at adopted village 	
			Nutritional garden should be done more scientifically and should be more spread in the district. There should be a convergent approach for better spreading of nutritional garden technology in the district	<ul style="list-style-type: none"> Two nos. of Training of Farmers & Farmwomen conducted on Nutritional garden has been conducted at village-Larkipalli, Chikalbahal Demonstration on Nutritional garden conducted in Rabi-2023-24 under SCSP at Chikalbahal, Larkipali, Odiapali Participated in different training programmers of Horticulture department on Nutritional garden & Vegetable cultivation 	
			KVK should help to prepare crop calendar for ideal crop cultivation practices in the district	<ul style="list-style-type: none"> Crop calendar has been prepared by KVK, Bolangir and vetted by OUAT, Bhubaneswar Provided to Agril. Dept., Bolangir for necessary use 	
			KVK should actively involve in convergence with NABARD for creation of FPOs. FPOs of the district should be regularly trained by KVK	<ul style="list-style-type: none"> KVK Scientist are actively involved in Training programmers, PMRC meetings, Workshops organised by NABARD and FPOs in the district. KVK is providing technical guidance to FPOs like Pruthuna, Pataneswari etc. 	
			More numbers of trainings on dairy production as the district's ODOP is milk. FPOs and NGOs related to dairy production may be provided with trainings on advanced technology related to milk production and disease management.	<ul style="list-style-type: none"> F/FW Trainings on Low cost Feeding management in dairy- 2 nos. F/FW trainings on feeding management in pregnant cows, anestrus cows and in dry cows- 2 nos. F/FW training on Fodder (Hybrid Napier &Paragrass) cultivation. Azolla cultivation strategies, and feeding management in dairy cows- 2 nos F/FW training on Methods of straw treatment and feeding strategies in cows- 1 nos. F/FW training on bypass fat/mineral mixture feeding in dairy cows- 2 nos. <p>Total 9 nos. of F/FW trainings and 1 RY training related to dairy farming were organised</p>	
			KVK should think of imparting training on standard package and practice of exotic fruit and vegetables	<ul style="list-style-type: none"> Training on Production package of Exotic Fruits & Vegetable production has been conducted by Horticulture dept. where KVK scientist participated & imparted training 	
			Organic farming should be given with more priority in the district. Organic area of the district should be assessed first. Further trainings and demonstrations may be carried out by KVK.	<ul style="list-style-type: none"> Conducted OFT on Assessment of Decomposer for in-situ residue management in Rice Conducted two numbers of Rural Youth training on Preparation of Organic inputs Method demonstration on Vermicomposting was conducted in NICRA village 	

				<ul style="list-style-type: none"> Scientist imparted training on Vermicomposting organised by Forest Department 	
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* *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°C, 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 only

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 mortality	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, Goater, 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, Goater, 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 (2021-22) 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
8	8	80	16	14	8	2	28	15	52	31	83	15	15	170	24	16	11	8	58	47	93	71	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	
64	77	1600	82	375	42	35	506	565	7	9	1	243	175	7800	2	34	7	7	16	12	1	2	4	
									3	7	7				3	5	8	6	75	62	9	0	0	
									0	5	0													

Impact of capacity building																							
Number of Participants trained												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	
225	195	5	8	3	2	7	11	15	21	36													

Seed production (q)	Planting material (in Lakh)
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Target	Achievement	Target	Achievement
260	250	150000	120000

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
2000	1500	200	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	3	30					
Seminar/conference/ symposia papers							
Booklets	4	2000	-	-	-	-	-
Bulletins							
News letter	1	500	-	-	-	-	-
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	12	36					
Electronic Publication (CD/DVD etc)							
TOTAL							

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of Decomposer for in-situ residue management in Rice
2.	Problem diagnosed	Residue burning causing environment pollution
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1 : NRRI consortia @ 1kg/t of paddy straw + 5 kg urea along with 0.5% jaggery solution + cow dung slurry in 100lit of water for 1 ha. TO 2 : PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IARI,2020&NRRI,2021
5.	Production system and thematic area	Rice Residue Management
6.	Performance of the Technology with performance indicators	Organic carbon (%) initial & final, Time of decomposition
7.	Final recommendation for micro level situation	PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.
8.	Constraints identified and feedback for research	PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.
9.	Process of farmers participation and their reaction	Farmers are satisfied with the research

Thematic area:

Problem definition: Residue burning causing environment pollution

Technology assessed:

TO-1 : NRRI consortia @ 1kg/t of paddy straw + 5 kg urea along with 0.5% jaggery solution + cow dung slurry in 100lit of water for 1 ha.

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

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Decomposition % (within 2 months)	Period for culturable decomposition	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Initial Soil organic Carbon (%)	Final organic Carbon (%)	Initial Soil organic Carbon (%)							
FP: Residue burning	10	0.4	0.42	0.4	NA	-	-	0	NA	NA	NA
TO-1 : NRRI consortia @ 1kg/t of paddy straw + 5 kg urea along with 0.5% jaggery solution + cow dung slurry in 100lit of water for 1 ha.	10	0.4	0.44	0.4	NA	45 %	3-4months	3000	NA	NA	NA
TO-2 :PUSA decomposer @ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha.	10	0.4	0.4	0.4	NA	60 %	2-3months	2200	NA	NA	NA



OFT-2

1.	Title of On farm Trial	Assessment of Decomposer for in-situ residue management in Rice
2.	Problem diagnosed	Assessment of Aromatic rice varieties for higher profitability
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1: Rice variety Kalikati@ 5 kg/ha (OUAT,2020) TO2: 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
6.	Performance of the Technology with performance indicators	Organoleptic test, EBT/m2, No of filled grains/panicle, test weight, yield & economics
7.	Final recommendation for micro level situation	The aroma of Gangabali and Kalikati were more than Acharmati.
8.	Constraints identified and feedback for research	Organoleptic test is very difficult to assess the duration of aroma exist.
9.	Process of farmers participation and their reaction	Farmers are satisfied with the research

Thematic area:

Problem definition: Non availability of Aromatic rice

Technology assessed: TO1: Rice variety Kalikati

TO2: Rice variety Gangabali

Table:

Technology		Yield (q/ha)	% of increase	Net Income (Rs./ha)	B:C	Remarks
FP:	Rice variety Acharmati @ 5kg/ha	30.4		51200	2.28	Lodging
TO1:	Rice variety Kalikati@ 5 kg/ha (OUAT,2020)	24.8	-22.5%	34400	1.86	
TO2:	Rice variety Gangabali@ 5 kg/ha (OUAT,2020)	22.4	-35.7 %	27200	1.68	



OFT-3

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	0.008	15	4500/-	4.7	41.2	41560	76220	34660	1.8
MandwaWeeder	7	0.016	8	2400/-	18.1	41.6	39460	76960	37520	1.9
Wet Land Power Weeder	7	0.08	2	1250/-	16.6	42.5	38310	78810	40380	2.0

Results:

Good quality photographs of different treatments:



OFT-4

1.	Title of On farm Trial	Assessment on different maize shellers
2.	Problem diagnosed	Labour intensive, Drudgery prone and time consuming operation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO ₁ :A hand operated maize sheller TO ₂ :A rotary maizesheller
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP ON FIM CAET, OUAT, 2018-19
5.	Production system and thematic area	Rice-Maize
6.	Performance of the Technology with performance indicators	Capacity(kg/h), Shelling efficiency(%), Breakage(%), Cost of shelling(Rs./kg), Labour requirement (man-days/ha)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Farm mechanization

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

Technology assessed: TO1 :A hand operated maize sheller

TO2 : A rotary maize sheller

Table:

Technology option								
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	No. of trials	Threshing capacity (q/hr)	Threshing efficiency (%)	Labour requirement (manday s/q)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Manual	7	0.11	100%	1	8850	52.4	66700	131000	64300	1.96
A hand operated maize sheller	7	0.18	100%	1	5400	52.4	63220	131000	67780	2.1
A rotary maize sheller	7	0.45	100%	1	2175	52.4	60025	131000	70975	2.2

Results:

Good quality photographs of different treatments:

OFT-5

Title	Technology
➤ Assessment of the performance of FPOs with varied levels of task and commodity to enhance income	Farmers Practice -Farmers marketing their produce through intermediaries TO ₁ -FPO dealing with a single commodity with a single task i.e., Millet-Marketing TO ₂ -FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable - sorting, grading, packing, value addition, branding, leveling and marketing

To access the performance of FPOs , a structured scheduled was developed to study the opinions from the Members about the role of FPOs in successful marketing of the produce. Different aspects were studied In relation to FPOs (3 point Likert scale- SA- Strongly agree, PA- Partially Agree, NA-Not Agree1. Social aspects 2.Technical aspects 3.Marketing aspects 4.Organisational aspects

Aspects (N=30)	TO ₁ (N=35)		TO ₂ (N=35)		Stat analysis Z calculated 2.86 Z tab 1.96
	Mean Score	Gap %	Mean Score	Gap %	
Social Aspects	2.12	29.8	2.06	30.8	

Technical aspects	1.95	35.6	1.77	38.2	As $Z_{cal} > Z_{tab}$ there is a significance difference between two sample means
Marketing aspects	2.14	28.8	1.86	35.9	
Organisational aspects	1.93	39.8	1.78	31.3	

TO₁- In TO₁ maximum gap were observed in organizational aspects where as in TO₂ technical gap were maximum. In both the groups responded were satisfied about the marketing aspects of the FPOs . As TO₂ is performed diversified activities emphasis should be more on strengthening of Technical aspects where as TO₁ should focus on providing organizational and guidance for higher profitability

OFT-6

1.	Title of On farm Trial	Assessment of different feed regime on milk production in dairy cows
2.	Problem diagnosed	High grain cost leading to high cost of production and otherwise low milk production due to no grain feeding
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-1: Grazing + Straw @ 6-8 kg/day + Local available oil cake @ 100g/day TO2: Grazing + Straw @ 6-8 kg/day + Local available pulse residue (Gandhiri) @ 250g/day + Maize @ 250g/day
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	Annual Report ICAR-ATARI, Kolkata, 2014
5.	Production system and thematic area	Homestead, LPM
6.	Performance of the Technology with performance indicators	Milk yield/day, Lactation length, Health status
7.	Final recommendation for micro level situation	Acceptable for the farmers interested to feed grain to their cows
8.	Constraints identified and feedback for research	Trial may be done with decrease amount of Maize and locally available pulse residue to see the result

9.	Process of farmers participation and their reaction	Farmers were well interested
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Thematic area:

Problem definition: High grain cost leading to high cost of production and otherwise low milk production due to no grain feeding

Technology assessed: TO-1: Grazing + Straw @ 6-8 kg/day + Local available oil cake @ 100g/day

TO2: Grazing + Straw @ 6-8 kg/day + Local available pulse residue (Gandhiri) @ 250g/day + Maize @ 250g/day

Table:

Technology option	No. of trials	Yield component			Health status of cow	Milk yield /day/cow	Cost of Production (Rs./cow /day)	Gross return (Rs./cow /day)	Net return (Rs./cow /day)	BC ratio
		Quality of milk Avg. LR Value	-	-						
FP- Grazing, straw feeding, unscientific concentrate feeding (lesser than required)	05	29			Good	4.2	49	126	77	2.57
TO-1: Grazing + Straw @ 6-8 kg/day + Local available pulse residue (Gandhiri) @ 250g/day + Maize @ 250g/day	05	28			Seldom loose motion	5.62	61	169	108	2.77
TO-2: Grazing + Straw @ 6-8 kg/day + Local available oil cake @ 100g/day	05	29			Good	5.15	52	154	102	2.96

Results:

Good quality photographs of different treatments:

OFT-8

1.	Title of On farm Trial	Assessment of two different ethno-veterinary formulations for treatment of lumpy skin disease in cattle.
2.	Problem diagnosed	Incidence of Lumpy Skin Disease leading to morbidity and lower milk production
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<p>TO₁: Prepare a paste by mixing betel leaves 10 nos., black pepper- 10 gm., salt-10 gm.. Mix this paste with jaggery. Day-1: Feed this one dose to infected animal every 3 hr interval. Day-2: Feed three doses daily from second day onwards for 2 weeks</p> <p>TO₂: Ingredients: Garlic- 2 pearls, coriander-10 g, Cumin-10 gm, Tulsi-1 handful, Dry cinnamon leaves- 10 g, Black pepper-10 g, Betel leaves- 5 nos, Shallots- 2 bulbs, Turmeric powder- 10 g, Chirata leaf powder-30 g, Sweet basil-1 handful, Neem leaves- 1 handful, Aeglemarmalos(Bel) leaves-1 handful, Jaggery-100 g.</p> <p>Mix all the ingredients. Day-1: Feed this one dose to infected animal every 3 hr interval. Day-2: Feed two doses daily in the morning and evening from second day till conditions resolve</p>
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NDDDB, 2022
5.	Production system and thematic area	Homestead, LPM
6.	Performance of the Technology with performance indicators	Time of recovery and milk production status
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Health status of cow	Status of skin lesions	Milk yield /day/cow	Gross return (Rs./cow/day)	Net return (Rs./cow/day)	BC ratio
FP- Chemical treatment when situation gets worsen	02						
TO1: Prepare a paste by mixing betel leaves 10 nos., black pepper- 10 gm., salt-10 gm.. Mix this paste with jaggery. Day-1: Feed this one dose to infected animal every 3 hr interval. Day-2: Feed three doses daily from second day onwards for 2 weeks	03						
TO ₂ : Ingredients: Garlic- 2 pearls, coriander-10 g, Cumin-10 gm, Tulsi-1 handful, Dry cinnamon leaves- 10 g, Black pepper-10 g, Betel leaves- 5 nos, Shallots- 2 bulbs, Turmeric powder- 10 g, Chirata leaf powder- 30 g, Sweet basil-1 handful, Neem leaves- 1 handful, Aeglemarmalos(Bel) leaves-1 handful, Jaggery-100 g.	03						

Results:

Good quality photographs of different treatments:

OFT-9

Title	Technology
➤ Assessment of the performance of FPOs with varied levels of task and commodity to enhance income	Farmers Practice -Farmers marketing their produce through intermediaries TO ₁ -FPO dealing with a single commodity with a single task i.e., Millet-Marketing TO ₂ -FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable - sorting, grading, packing, value addition, branding, leveling and marketing

To access the performance of FPOs , a structured scheduled was developed to study the opinions from the Members about the role of FPOs in successful marketing of the produce. Different aspects were studied In relation to FPOs (3 point Likert scale- SA- Strongly agree, PA- Partially Agree, NA-Not Agree1. Social aspects 2.Technical aspects 3.Marketing aspects 4.Organisational aspects

Aspects (N=30)	TO ₁ (N=35)		TO ₂ (N=35)		Stat analysis Z calculated 2.86 Z tab 1.96 As Z cal> Z tab there is a significance difference between two sample means
	Mean Score	Gap %	Mean Score	Gap %	
Social Aspects	2.12	29.8	2.06	30.8	
Technical aspects	1.95	35.6	1.77	38.2	
Marketing aspects	2.14	28.8	1.86	35.9	
Organisational aspects	1.93	39.8	1.78	31.3	

TO₁- In TO₁ maximum gap were observed in organizational aspects where as in TO₂ technical gap were maximum. In both the groups responded were satisfied about the marketing aspects of the FPOs . As TO₂ is performed diversified activities emphasis should be more on strengthening of Technical aspects where as TO₁ should focus on providing organizational and guidance for higher profitability

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	Varietal substitution	HYV rice variety Kalinga dhan 1203 Kalinga dhan 1205	2	2	-	-	-	-	1	-	10	-	1	0	
2	Rice	weed management	Application of Cyhalofop butyl + Penoxulam @ 135g/ha at 20 DAT	2	2	-	-	-	-	1	-	10	-	1	0	
3	Maize	Varietal substitution	Maize hybrid -Kalinga raj (OMH 14-27)	2	2	-	-	-	-	1	-	10	-	1	0	
4	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	-	-	-	-	1	-	10	-	1	0	
5	Rice		Use of tractor drawn rotavator	1 ha	1 ha		1		1							
6	Mush room		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					1	1							
7	Toma to		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		
8	Grou ndnut		Demonstration on tractor drawn multicrop seed cum fertilizer drill for sowing groundnut	2 ha	2 ha		5		5			10		10		
10	Cow	LPM	Grazing+ concentrate	10 cows	10 cows	0	0	0	0	9	0	9	0	9		

			+Bypass fat @15-20 gm/kg milk/day +Mineral mix @50g/cow/day												
11	Goat	LPM	After 6-8 hrs of free grazing feeding of kid with probiotics @ 3g/goat/day and concentrate @ 1.5% of bw for 6 months Feeding of probiotics along with concentrate increases feed efficiency and will support body weight gain	60 goats	60 goats	0	0	1	0	9	0	10	0	10	
12	Goat	LPM	Deworming of kids along with Vit B12 supplementation and also Concentrate feeding Concentrate @1.5% of BW	100 goats	100 goats	10	5	0	0	0	0	10	5	15	
13	Poultry	LPM	Rearing of day old Kalinga Pallishree chick with proper brooding (feeding upto 21 days and vaccination upto 28 days) and further rearing in backyard system	360 nos. of day old chicks	360 nos. of day old chicks	0	0	0	0	4	14	4	14	18	

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 ₂ O ₅	K ₂ O					
Rice	<i>kharif</i>	RF	loam	280	14	140	Green gram	15.07.2024	20.11.2024	969.19	62
Rice	<i>kharif</i>	RF	loam	220	12	120	rice	20.07.2024	25.11.2024	969.19	62
Maize	<i>kharif</i>	RF	loam	240	13	130	Rice	05.07.2022	22.10.2024	969.19	62
Maize	<i>kharif</i>	RF	loam	230	17	180	rice	08.07.2022	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	Varietal substitution	HYV rice variety Kalinga dhan 1203	10	2	46.8	38.6	21.2			45000	95472	50472	2.12	45000	78744	33744	1.75
					42.4		11.4			45000	86496	41496	1.92				

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
Maize	Varietal substitution	Maize hybrid - Kalinga raj (OMH 14-27)	10	2	58	65	12			65000	127530	62530	1.96	64000	113796	49796	1.77
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
Rice	Varietal substitution	Bio fortified rice variety-CR Dhan 315	10	2	41.1	38.7	6.2	43000	78948	35948	1.95	43000	83844	40844	1.84	41.1	38.7
Ragi	Varietal substitution	Finger Millet Var. Arjun	10	2	15.3	10.9	40.3	10400	39000.2	28600.2	3.75	12000	54743.4	42743.4	4.56	15.3	10.9

Maize	Varietal substitution	Maize hybrid - Kalinga raj (OMH 14-27)	10	2	66.0	63.0	4.8	64000	129492	65492	2.02	65000	12360	58606	1.90	66.0	63.0
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	64.7	61.4	5.4	64000	126941	62941.4	1.98	65100	120467	55366.8	1.85	64.7	61.4
		Total															



Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Poultry	LPM	Demonstration of Kalinga Pallishree bird in backyard system	15	300	Wt. gain in 2m period Kg 0.96	Wt. gain in 2m period Kg 0.51		Avg. Mortality rate-11%	Avg. Mortality rate-7%	1482 /chick upto 2 months for 20 birds (includes labour, feeding upto 21 days and vaccination)	4080 upto 2 months for 17 birds@ Rs. 250/Per kg	2598/- per one lot (as per the wt. gain in 2 months)	2.75	1250 upto 2 months for 20 birds	3213 upto 2 months for 18 birds@ Rs. 350/Per kg	1963/- Chick as per the wt gain in 2months	2.57
Rabbitry																	
Pigerry																	
Sheep and goat	LPM	Demonstration on dietary supplementation of probiotics and concentrate on juvenile growth of goats	10	60	Wt. gain in 2m period Kg (3-5 months) 5.94	Wt. gain in 2m period Kg (3-5 months) 3.41	74	-	-	540/ goat In 2 months (Labour + Conc. (@70g/day) + Probitotic	2376/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1836/ goat as per 2m wt gain	4.39	360/ goat/ 2monts (labour cost)	1364/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1004 /goat as per 2m wt gain	3.78
Sheep and goat	LPM	Demonstration on deworming and supplement feeding on body weight gain of kids	15	100	Wt. gain in 2m period Kg (4-6 months) 7.02	Wt. gain in 2m period Kg (4-6 months) 4.08	72	-	-	580/ goat In 2 months (Labour + Conc. (@100g/day) + deworming	2808/ goat as per 2m wt gain (@ Rs.400/Kg meat)	2228/ goat as per 2m wt gain	4.84	360/ goat/ 2monts (labour cost)	1632/ goat as per 2m wt gain (@ Rs.400/Kg meat)	1272 /goat as per 2m wt gain	4.53
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

[illegible]

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

** BCR= GROSS RETURN/GROSS COST

[illegible]

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	27.09.2023	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 CFLD on Pulse and Oilseed Crops during Kharif2023 and Rabi 2022-23:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Pigeon pea	Kandul	6.5	1073	1022	2000	Pigeon pea variety LRG-52 with weed management, pest & disease management practices	75	30	15.8	12.2	14.51	35.1	41.9	37.8

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	28400	66000	37600	2.2	55800	145100	89300	2.6

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)	108130	1100	100	1600	3400	Fulfilling the Household requirements and Daily Need	4

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

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

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	Paruabhadi	30
2	Training on Disease and pest management Practices	Paruabhadi	30
3	Field day on Pigeon pea	05.01.24, Paruabhadi	40

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



H. Farmers' training photographs



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



J. Details of budget utilization

[illegible][illegible][illegible][illegible]

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues	1	14	4	18	3	1	4	2	1	3	19	6	25
Others													
Total	1	14	4	18	3	1	4	2	1	3	19	6	25
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	2	34	4	18	8	1	4	2	1	3	44	6	50

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													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
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													
Vermiculture	1	8	0	8	5	0	8	2	0	2	15	0	15
Mushroom Production													
Beekeeping	2	9	0	9	3	15	18	3	0	3	15	15	30
Potential Entrepreneurship development	1	13	0	13	2	0	2	0	0	0	15	0	15
Marketed Production	1	12	0	12	6	0	6	2	0	2	20	0	20
Repair and maintenance of farm machinery and implements	1	12			3						15		15
Value addition	1		3		2	10					2	13	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													
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	20	0	20	0	0	0	0	0	0	20	0	20
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	11	89	3	62	29	47	64	7	0	7	125	50	175

D) Farmers and farm women (off campus)

[illegible]

[illegible]

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
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	1	25	0	25	0	0	0	0	0	0	25	0	25
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	2	43	0	43	7	0	7	0	0	0	50	0	50
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	10	99	30	132	24	91	115	4	2	6	127	123	250
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total	53	765	264	1009	52	162	214	53	13	66	887	438	1325
XII. Others (Pl. Specify)													
GRAND TOTAL	53	765	264	1009	52	162	214	53	13	66	887	438	1325

E) RURAL YOUTH (Off Campus)

F) Extension Personnel (Off Campus)

[illegible]

i. Farmers& Farm Women

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Balance Use of fertilizer													
Soil & water testing													
others													
Total													
IV. Livestock Production and Management													
Dairy Management	2	45	1	46	2	1	3	1	0	1	48	2	50
Poultry Management	1	18	0	18	0	0	0	7	0	7	25	0	25
Piggery Management													
Rabbit Management													
Animal Nutrition Management	4	80	0	80	4	1	4	16	0	16	100	0	100
Feed & fodder technologies	2	38	0	38	0	0	0	12	0	12	50	0	50
Production of quality animal products													
Others (Goat)	1	0	0	0	0	25	25	0	0	0	0	25	25
Total	10	164	1	165	6	27	33	36	0	36	223	27	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	8	110	60	170	12	7	19	8	3	11	130	70	200
Installation and maintenance of micro irrigation systems	3	35	20	55	5	7	12	5	3	8	45	30	75

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	14	4	18	3	1	4	2	1	3	19	6	25
Group dynamics	2	43	0	43	7	0	7	0	0	0	50	0	50
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	11	113	34	150	27	92	119	6	3	9	146	129	275
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total	53	765	264	1009	52	162	214	53	13	66	887	438	1325
XII. Others (Pl. Specify)													
GRAND TOTAL	53	765	264	1009	52	162	214	53	13	66	887	438	1325

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													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production													
Integrated farming													
Production of organic inputs	1	0	0	0	0	15	15	0	0	0	0	15	15
Planting material production													
Vermiculture	1	8	0	8	5	0	8	2	0	2	15	0	15
Mushroom Production													
Beekeeping	2	9	0	9	3	15	18	3	0	3	15	15	30

iii. Extension Personnel (On and Off Campus)

[illegible]

[illegible]

a) Details of Sponsored Training Programme

[illegible][illegible]

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

[illegible]

Nature of Extension Activity	No. of activities
Newspaper coverage	5
Radio talks	3
TV talks	1
Popular articles	4
Extension Literature	4
Other, if any	

3.5 a. Production and supply of Technological products

[illegible]

[illegible]

Production of planting materials by the KVKs

[illegible]

Production of Bio-Products

[illegible]

Production of livestock materials

[illegible]

Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total		1200	72000	16	14	0	0	17	13	33	27

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 2023	Paddy	Pooja		7	176	C/S
	Paddy	Swarna shreya		2	70	C/S
Rabi 2021-22						
Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

iii) Financial Progress

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

2023-24				
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iv) Infrastructure Development

Item	Progress
Seed processing unit	<i>Not Available</i>
Seed storage structure	

3.6.

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

Item	Title	Author's name	Number	Circulation
Research paper	1. Study of economics of line sowing of maize by using different bullock drawn seed drills. The Pharma innovation journal.	Mohanta B., Swain S.K. and Dash A. (2023)	Vol.12(6) P 1778- 1780.	
	2. Geo thermal energy- Clean, Safe and renewable-A review study. International Journal of Agriculture Sciences.	Nath A., Patel M.B. and Mohanta B.(2024)	Vol. 20(1) P 317-320.	
	3. Microencapsulation in food processing – A review study. International Journal of Agriculture Sciences.	Nath A., Patel M.B., Mondal P. and Mohanta B. (2024).	Vol. 20(1) P 336-339.	
Seminar/conference/ symposia papers				
Books				
Bulletins	4	Dr.Tapan Kumar Palai, Dr.Bijaylaxmi Mohata, Monoj Kumar Barik	2000	
News letter	2	1000	1000	
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports	12	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 programme	Refresher training programme for Agronomy and Soil Science discipline	Dr Satyamaya Satapathy, Sr Scientist and Head	12 th & 13 th February 2024	DEE, OUAT Bhubaneswar
	Training cum Exposure visit	Natural Farming		18 th to 22 nd March 2024	MANAGE
2.	Training programme	Refresher training programme for Scientist of KVK	Mr Monoj kumar Barik Scientist(Ag Ext)	27 th & 28 th March 2024	DEE, OUAT Bhubaneswar
	Training programme	Advance technique in apiculture		26 th & 27 th July 2024	DEE, OUAT Bhubaneswar
3.	Training programme	Refresher training programme for Scientist of KVK	Dr. Bijaylaxmi Mohanta (Scientist Ag Eng)	27 th & 28 th March 2024	DEE, OUAT Bhubaneswar
4	Exposure visit	Exposure visit to Nimpith, WB	Dr. Tapan Kumar Palai	16 th & 17 th March 2024	DEE, OUAT Bhubaneswar
5.	Training programme	Refresher training programme for Scientist (Hort & Forestry) of KVK	Mrs Sagarika Muna (FM)	6 th & 7 th March 2024	DEE, OUAT Bhubaneswar
6	Training programme	Refresher training programme on Big data analysis KVK	Mr Rabi Narayan Satapathy, P.A(Comp)	16 th & 17 th February 2024	DEE, OUAT Bhubaneswar

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

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/IS training
3	Extension activities like group meetings , Ex-trainees sammelan, field days , farmers fair, celebration of special days, other flagship programmes etc.	Need analysis of FW/ RY training
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 in Soil and 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 (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
70	-	70	650	5	6000

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	100	5	Debaki Sahu (Z. P. President)	100	100

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. RAWF/ FETprogramme - is KVK involved? (Y/N)

No of student trained	No of days stayed
1	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
11-06-2023	Prof. Pravat Kumar Roul Hon'ble VC,OUAT,Bhubaneswar	Review and visit
8.11.23	Dr. Pawan Agrawal Ex-VC,OUAT	Courtesy Visit
16.11.23	Prof. L.K. Babu,DSW,OUAT	To Participate in Pasusampad Mela
07-01.24	Dr. M.M.Mishra Prof. Sarbanarayan Mishra,HOD,Dept of Economics Dr. Tushar Ranjan Mohanty, Dept of Agrometeorology Dr.Rabi Ratna Dash Dr. Sanat Dwibedi	Pulse Evaluation programme
23-01-24	Er. Jayanarayan Mishra,CAET	
25-01-24	Dr. Prasanta Kumar Mohanty,JDE,DEE,OUAT	To Attend SAC meeting

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	8250 ha
INM in Vegetables	4200 ha
IPM in Vegetables	2300 ha
Stress tolerant Rice production in rainfed ecosystem	8500ha
Kitchen gardening	1650 households
Micronutrient application in Crucifer vegetables	8230 ha.
Judicious use of pesticides	8600 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 root 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 2023 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (**information of previous years should not be provided**)

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(S q.mt)	Details of production			Amount (Rs.)		Remarks
				Variety /breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermicom posting	2022	30	E foetida	Vermicom post	7q	560	10500	
2.	Dragon fruit	2022	1000	-	-	-	-	-	-
3.	Herbal garden	2017	500	-	-	-	-	-	-
4.	Cactus unit	2022	200	-	-	-	-	-	-
	Total					7q	560	10500	

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	24.06.23	10.12.23	7	Pooja	CS	176q	-	-	Under processing
Paddy	24.06.23	8.11.23	2	Swarna shreya	CS	70q	-	-	Under processing

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.	Name	Details of production	Amount (Rs.)	Remarks
-----	------	-----------------------	--------------	---------

No	of the animal / bird / aquatics	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 staff quarters: Nil

Date of completion: NA

Occupancy details: 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 -
	Kharif	Rabi	Kharif	Rabi	

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
------------	-------------	------------	----------	-------------

A. Recurring Contingencies				
1	Pay & Allowances	91,15,000	91,72,604	91,72,604
2	Traveling allowances	1,50,000	1,50,000	1,12,893
3	HRD	30,000	30,000	0
4	Contingencies			
A	Stationaries, Telephone, Postage & Other Expenditure on office running	4,60,000	4,60,000	4,60,000
B	POL, repair of vehicle, tractor & equipment			
C	Meals refreshment for residential and non-residential training	2,70,000	2,70,000	2,70,000
D	Training Material (Need based materials for conducting training)			
E	FLD except Oilseed & Pulses	1,35,000	1,35,000	1,35,000
F	OFT	1,35,000	1,35,000	1,35,000
G	SCSP	13,73,000	13,73,000	13,73,000
H				
I				
J	Swachhta Expenditure	34,000	34,000	34,000
TOTAL (A)		1,17,02,000	1,17,59,604	1,16,92,497
B. Non-Recurring Contingencies				
1	Equipment & Furniture	1,00,000	1,00,000	1,00,000
2	Library	10,000	10,000	10,000
3	Vehicle	9,00,000	9,00,000	9,00,000
4	Construction of Farmer Hostel 2 nd installment	60,00,000	60,00,000	60,00,000
TOTAL (B)		70,10,000	70,10,000	70,10,000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		1,87,12,000	1,87,69,604	1,87,02,497

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2024
	Kharif	Rabi	Kharif	Rabi	
Pulse-Pigeonpea	1,67,400	0	1,67,400	0	0

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2019-20	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 1 st April and 9,54,850 kind

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	12	Kharif and Rabi 2022	Agriculture, Horticulture, Fishery ARD,		
Joint field to BPH affected area	6	Kharif 2022	Agriculture		
Field visit to vegetable patches	3	Rabi	Horticulture		
Diagnostic field visit (FMD, HS, LSD, PPR)	8	Kharif and Rabi	ARD		
Resource person in trainings on livestock production	10	Kharif and Rabi 2022-23	ARD		
Animal Health Camp	4	Rabi 2022	ARD		
Celebration of World Egg day	1	Rabi 2022	ARD		
Celebration of World Milk Day	1	Kharif 2022	ARD		
Celebration of Go sambardhanadiwas	1	Rabi 2022	ARD		
Organisation of Dairy summit	1	Rabi 2022	ARD		
Celebration of World Soil Day	1	Rabi 2022	Agriculture		
Planting material verification	3	Rabi 2022	Horticulture		
NRM activities of NICRA village	2	Kharif 2022	Panchayat raj and Soil conservation		
Capacity building training to WSHG	2	Kharif and Rabi 2022	OLM and Mission Shakti		
Capacity building trainings to CEOs and BODs of FPOs	4	Rabi, 2022	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 1 st week	2300	10	Awareness programmes, capacity building of farmers
Fall Army worm	Maize	July 4 th week	450	17	Workshop, field visit , advisory to farmers, KMAS
Bacterial leaf Blight	Paddy	August 2 nd week	23000	15	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		65%	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		3%	Vaccination done by dist ARD	
FMD	Cow		Nil	Vaccination done by dist ARD	
RD	Poultry		50 %	-	
Avian pox	Poultry		3 %	Vaccination done by dist ARD	

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	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 Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
28.03.2023 29.03.2023	Awareness program on Swachhata involving 50 numbers of students at Larkipali UP School Awareness and cleaning program involving villagers of Odiapali

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	12	6400
4. Cleaning and beautification of surrounding areas	5	11500
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	3	14900
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	2	-
8. Swachhta Workshops	2	-
9. Swachhta Pledge	4	-
10. Display and Banner	2	-
11. Foster healthy competition	1	-
12. Involvement of print and electronic media	-	-
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	4	-
14. No of Staff members involved in the activities	10	-
15. No of VIP/VVIPs involved in the activities	2	-
16. Any other specific activity (in details) Audit charge		1200
Total	53	34,000

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.9. Details of 'Pre-Rabi Campaign' / 'Pre-Kharif Campaign' Programme

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

Please provide good quality photographs:

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

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

Please provide good quality photographs:

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	1	2	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- Brahmndungri , 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	4	55	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 2023

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

Name of KVK							
Sl.No.	Item/Activity		Units	Targets/Achievements		No. of Beneficiaries	
				Annual Targets	Achievements	Annual Targets	Achievements
1	Trainings (Capacity building/ Skill Development etc.)		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	On Farm Trials (OFTs)		No.				
	Front Line Demonstrations (FLDs) and other demonstrations						
3			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 fertilizers	tonnes				
	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	Services/Facilitation						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	Distribution of Literature		No.				
8	Employment generation for livelihood		(Man-months)				
9	Fellowship, Stipends or Scholarship		No.				
10	Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable)		No. of projects				
11	Monitoring & Evaluation of DAPSC/ST (upto 3%)						
12	Any other (specify)						

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

12. Details of DAPSC/ SCSP

a. Achievements of physical output under SCSP during 2023

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

Name of KVK							
Sl.No.	Item/Activity		Units	Targets/Achievements		No. of Beneficiaries	
				Annual Targets	Achievements	Annual Targets	Achievements
1	Trainings (Capacity building/ Skill Development etc.)		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	On Farm Trials (OFTs)		No.				
	Front Line Demonstrations (FLDs) and other demonstrations						
3			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 fertilizers	tonnes				

	5.19	Micro nutrients	tonnes				
	5.2	FYM/ Vermicompost	tonnes				
	5.21	Soil amendents (Gypsum, lime etc.)	tonnes				
	5.22	Plant protection chemicals	kg				
	5.23	Plant growth Promoter	kg				
	5.24	Animal Feed	tonnes				
	5.25	Animal Fodder	tonnes				
	5.26	Animal medicines	doses				
	5.27	Any other (Liquid PSB etc.)	Litre				
6	Services/Facilitation						
	6.1	Animal Health Camps	No.				
	6.2	Artificial Insemination / Vaccination	No.				
	6.3	Veterinary Services (Hospitalization, on-site treatment, PD, surgery etc)	No.				
	6.4	Testing samples of Soil, plant, water, feed, fodder and livestock	No.				
	6.5	Promotion of agri-entrepreneurship	No.				
	6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.				
	6.7	Creation of market links of farm produces	No.				
	6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
	6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	Distribution of Literature		No.				
8	Employment generation for livelihood		(Man-months)				
9	Fellowship, Stipends or Scholarship		No.				
10	Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable)		No. of projects				
11	Monitoring & Evaluation of DAPSC/ST (upto 3%)						
12	Any other (specify)						

b. Fund received under SCSP in 2023-24 (Rs. In lakh): 18 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	
Multiple disease resistant Tomato var. Arka Rakshak with plastic mulching	10	10	0.4-	0	0	0	0	8	2	8	2	10	
Vermi-compost from biodegradable wastes	16	20	20 beds	0	0	0	0	12	4	12	4	16	
Vermi-compost from biodegradable wastes	5	5	2.5	0	0	0	0	5	0	5	0	5	

Crop Management

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	
Stress tolerant rice cv. Swarna Shreya	50	0	0	0	0	88	12	88	12	100	
Climate resilient Green gram var. Sikha	12	0	0	0	0	18	7	18	7	25	
Multiple disease resistant Tomato var. Arka Rakshak	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 dairy cows	200	-	-	0	0	0	0	1	0	1	0	10	
Rearing of developed chicks var (Pallishree and kavary) in backyard	50	20	20	0	0	0	0	3	1	3	12	50	

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	1	10	0	0	0	0	20	0	20	0	20	

Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Capacity building training on Preparation & use of organic inputs	1									40
Training on Vermicomposting	1									25
Training on Green gram	1									25
Training on Mechanization in Agriculture	1									25
Training on low cost brooding technology in Poultry	1									25
Training on Pond and feed management in composite fish farming	1									25
Training on low cost feeding management in dairy cows	1									25
Capacity building training on use and operation of small implements	1									25
										215

Extension activities

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

Detailed report should be provided in the circulated Performa

14. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best Farmer	Snigdha Meher	2023	OUAT	-	Profitable 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. Sahabgadhian, line transplanting, herbicide oxadiargyl # Greengram var. TARM-1 paira, herbicide Imazethapyr, 1.5 % DAP spray once at flowering and second after 15 days # Mineral mixture @ 50 gm/cow, Fodder Hyb. Napier ;Dhingri mushroom (20 beds); Banarajapoultry(20 no.); Tissue culture banana G-naine(10 no.)	45,200 (FP 29,00)	2	

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

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

[illegible]

	KVK for the Job role										Portal (Y/N)	

(Please provide good quality photographs)

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

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

22. Information on NARI Project(if applicable)

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

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

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	Millet Recipe Contest	6.11.23	Patnagarh	To Popularize the Millet products through millet recipe	50
2	Millet Recipe Contest	21.11.23	Khaprakhol	To Popularize the Millet products through millet recipe	50
3	Millet Recipe Contest	01.12.23	Titlagarh	To Popularize the Millet products through millet recipe	50



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