

PROFORMA FOR ANNUAL REPORT2023 (January-December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
KrishiVigyan Kendra, Ganjam At :BenakundaP.O: Dihapadhala Via: Tanarada Dist: Ganjam Pin : 761 140 Orissa	06821296222		kvkganjam1.ouat@gmail.com kvk.ganjam1@ouat.ac.in

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

Address	Telephone		E mail
	Office	FAX	
Vice-Chancellor, OUAT, Bhubaneswar- 751003 Orissa University of Agriculture & Technology	0674- 2392677		vcouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Sutanu Kumar Satapathy		9437619310	satapathysk@rediffmail.com

1.4. Year of sanction of KVK: 1985

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

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/OBC/Others)
1	1	Senior Scientist& Head	Dr. Sutanu Kumar Satapathy	Senior Scientist & Head	Horticulture	79,800 – 2,11,500 1,04,100	29.08.2012	Permanent
2	2	Subject Matter Specialist	Sri Prasanta Kumar Panda	Scientist	Plant Protection	57,700 – 1,82,400 87,200	05.01.2007	Permanent
3	3	Subject Matter Specialist	Sri BishnupadaGiri	Scientist	Horticulture	57,700 – 1,82,400 87,200	17.09.2006	Permanent
4	4	Subject Matter Specialist	Dr. Santosh Kumar Samantaray	Scientist	Agricultural Extension	57,700 – 1,82,400 79,800	06-09-2012	Permanent
5	5	Subject Matter Specialist	Smt. Anita Patro	Scientist	Home Science	57,700 – 1,82,400 79,800	18.12.2009	Permanent
6	6	Subject Matter Specialist	Dr.SidhharthRanabijuli	Scientist	Animal Science	15600-39100+ AGP 6000 22,220	11.05.2012	Permanent
7	7	Subject Matter Specialist	Sri SatyabrataMangaraj	SMS	Agronomy	56,100 – 1,77,500	28.06..2018	Permanent
8	8	Programme Assistant	Vacant					
9	9	Computer Programmer	Sri Sitikantha Mishra	Programme Assistant	Computer Science	35,400-1,12,400 56,900	18.01.2006	Permanent
10	10	Farm Manager	MsSushreeSibaneeSardar	Farm Manager	-	35,400-1,12,400 38,700	08.02.2019	Permanent
11	11	Accountant / Superintendent	Vacant	-	-	-	-	-
12	12	Stenographer	Miss	Steno-cum-	-	25,500 –	22.07.2015	Permanent

			Priyadarshini Ghadei	computer operator		81,100 30,500		
13.	13.	Driver	Sri Saroj Kumar Biswal	Driver-cum-mechanic	-	19,900-63,200 28,400	25.07.2007	Permanent
14.	14.	Driver	Sri Gobinda Gouda	Driver-cum-mechanic	-	19,900-63,200 26,88	21.08.2008	Permanent
15.	15.	Supporting staff	Sri Krushna Chandra Pradhan	Peon-cum-watchman	-	16,600 – 52,400 22,900	28.07.2008	Permanent
16.	16.	Supporting staff	Sri Prakash Chandra Gouda	Peon-cum-watchman	-	16,600 – 52,400 24,300	20.12.2007	Permanent

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2.	Under Demonstration Units	0.05
3.	Under Crops	10.0
4.	Orchard/Agro-forestry	2.00
5.	Others with details (Farm Road, Pond, wasteland)	6.45
	Total	20.00

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					Completed	352.28	Dilapidated	ATARI
2.	Farmers Hostel					Completed	142.14	Usable condition	RKVY
3.	Staff Quarters (6)					Completed	1200	Dilapidated	
4.	Piggery unit								
5	Fencing					Completed	2601m	Usable condition	RKVY
6	Rain Water harvesting structure								
7	Threshing floor					Completed	445.93	Usable condition	ATARI

8	Farm godown					Completed	36.6	Usable condition	ATARI
9	Poultry unit					Completed	24.52	Usable condition	RKVY
10.	Goatary unit					Completed	6.0	Usable condition	ATARI
11.	Mushroom Lab					Completed	33	Usable condition	RKVY
12.	Shade house					Completed	180.0	Usable condition	RKVY
13.	Soil test Lab					Completed	23.4	Usable condition	ATARI
14.	pond					Completed	613.16	Usable condition	ATARI
15.	Vermicompost Unit					Completed	22.0	Usable condition	RKVY

* 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
Hero Honda	31.3.2007	41899/-	30526	Working
Bolero SLE	14.05.2020	8,00,000/-	65736	Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
MridaParikshyak	2016	85000	Working	ATARI
MridaParikshyak	2017	85000	Working	ATARI
b. Farm machinery				
Power tiller	1995		Not working	ATARI
Rice transplanter	2007-08		Not working	ATARI
c. AV Aids				
Xerox machine	2017-18	49000	Working	ATARI
Colour printer	2017-18	6500	Working	ATARI
Digital camera	2015-16	21000	Working	ATARI
LCD projector	2016-17	40000	Working	ATARI
PAS system	2016-17	10000	Working	ATARI

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Weighing machine	2016-17	12000	Good condition	ATARI
Storage bin	2011-12		Good condition	ATARI
Diesel pump set	2016-17	40000	Good condition	ATARI
Paddy power weeder	2011-12		Good condition	ATARI
Thresher cum winnower-power operated (2nos)	2016	40000	Running	ATARI
Brush cutter	2016	16000	Running	ATARI
Thresher cum winnower-power operated (2nos)	2016	40000	Running	ATARI
Brush cutter	2016	16000	Running	ATARI
Weighing machine	2016-17	12000	Good condition	ATARI
Storage bin	2011-12		Good condition	ATARI
Diesel pump set	2016-17	40000	Good condition	ATARI

1.8. DetailsofSAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	03.02.2023	30	Members emphasized to take intervention on millets & cash crops.	1. Demonstration on Value addition on Ragi (10 units) & FLD on management of pink stem borer in Ragi (2 ha area) have been conducted. 2. To create awareness on nutritive value of Ragi, 3 millet recipe contest has been conducted at Polasara, Jagannathprasad & Bhanjanagar. 3. numbers of training & one numbers of demonstration programme on Sweetcorn has been conducted in 2ha. area involving 60 nos. farmers.	
			Evaluation of Chilli hybrids for leaf curl virus & popularization of technology for	1. OFT on Chilli hybrids (ArkaSanvi & ArkaTanvi) has	

			Anthracnose disease management	been conducted in 01 ha. area involving 07 farmers in 03 villages. The incidence of Leaf curl virus in ArkaSanvi was 8.2% & in ArkaTanvi 10.2% where as in farmers field it was 23.9%. 2. FLD on Chilli Anthracnose management has been conducted in 2.0ha area involving 10 farmers	
			New var. of Marigold may be popularized	One FLD on cultivation of Marigold var. Bidhan-2 is undertaken involving 10 Farmwomen in 1.0 ha area.	
			Awareness may be created on different fodders	Training & FLD has been conducted in collaboration with ARD department	
			Power weeder should be popularized in large area to reduce labour cost for weeding	Demonstration has been conducted in 02 ha. area involving 10 farmers in vegetable crops. The labour saving is 36MD/ha. Labour requirement decreased by 68% as compared to manual weeding.	
			Performance of Grafted vegetables may be tested at KVK farm	In crop cafeteria area one demo unit has been maintained for awareness of farmers.	
			Different poultry breeds with feed management may be tested in KVK farm	Six numbers of breeds (OUAT KalingaPallishree, Kadaknath, Kaveri, RIR, WLH, Vezaguda) maintained in KVK poultry unit. 2945 numbers of 21 old day chicks were supplied among farmers	
			Honey bee & arrowroot may be promoted in elephant prone area	One FLD on Honey bee has been conducted involving 05 farmers in collaboration with forest department	

			Training may be imparted to SHGs for poultry production	Three numbers of training programme has been conducted involving 75 farmers & farm women in collaboration with forest department.	
			Trials for management of Lumpy skin disease in cattle may be conducted	OFT has been conducted, TO2 preparation found to be more effective after 7 days of treatment. The preparation is only effective in mild & initial cases.	
			Members emphasized to take intervention on small ruminants	A Training, one Animal Health Camp & FLD has been conducted on small ruminants & One Ganjam Goat unit is established in KVK campus	
			Popularization of seedling raising using Pro-tray	Demonstration programme has been conducted involving 10 farmers for raising vegetable seedling in Pro-tray in Kharif season	
			Training for increasing productivity of cashew nut	One training programme has been conducted involving 25 farmers & farm women.	

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2023)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rice-Greengram, Rice-Blackgram, Rice-Vegetable, Vegetable-Vegetable, Rice-Fallow
2	Agro-climatic Zone	North Eastern Ghat Zone, East and South Eastern Coastal Plain Zone
3	Agro ecological situation	Rainfed Red and Laterite, Black, medium rainfall and irrigated, Alluvial, low rainfall and irrigated
4	Soil type	Alluvial, Red, Laterite

5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Given below in table
6	Mean yearly temperature, rainfall, humidity of the district	Rainfall-1276 mm
7	Production of major livestock products like milk, egg, meat etc.	

Note: Please give recent data only

Area, Productivity& production of Major crops of Ganjam district

Sl.No	Name of the crop	Kharif			Rabi		
		A (000ha)	Y (kg/ha.)	P (000MTS)	A (000ha.)	Y (kg/ha)	P (000MTS)
01	Paddy	251.32	2800	703.396			
02	Green gram	3.58	455	1.63	155.84	521	81.19
03	Ragi	45.0	895	40.28	0.94	1003	2.44
04	Black gram	16.38	466	7.63	32.80	468	15.35
05	Groundnut	11.40	1250	14.25	18.68	1928	36.02
06	Sesamum	11.63	414	4.81	14.57	420	6.12
07	Pigeonpea	13.6	934	12.7			
08	Maize	10.95	2282	27.66	0.93		
09	Horsegram				11.92	378	4.51
10	Sunflower				0.49	1115	0.55

Area, Productivity& production of Major Horticulture crops of Ganjam district

Sl.No.	Name of the crop	Area (In '000 ha)	Productivity (in Kg./ha)	Production (in '000 MT)
01	Brinjal	5.02	25750	129.16
02	Cabbage	1.51	27920	42.05
03	Cauliflower	2.41	14760	35.56
04	Okra	3.46	8760	30.33
05	Pea	0.34	9060	3.07
06	Chilli	5.42	1360	7.37
07	Tomato	4.42	12870	56.87
08	Onion	0.59	8650	5.11
09	Potato	0.36	15120	5.49
10	Sweet Potato	7.52	9780	73.55
11	Radish	0.54	11750	6.38

Area, Productivity& production of Livestock Ganjam district

1	<i>Fishery resources</i> Fresh water – reservoir Canal Tanks & ponds Brackish water Marine (Coast length)	6400 ha 3065.1 ha 27794.39 ha ChilkaLake 60 km.
2	<i>Total fish production</i> a) Fresh water b) Marine c) Brackish water	22452.48 MT 14170.25 MT 6778.00 MT 1504.23 MT
3	<i>Fishermen population</i> a) Inland b) Marine	93686 43889
4	<i>Livestock population</i> a) Cattle b) Buffalo c) Sheep d) Goat e) Pig f) Poultry	(in lakhs) 9.73 1.43 1.46 2.18 0.14 14.37
5	Total milk production	64.55 thousand MT
6	Total egg production	1624.84 million numbers
7	Total meat production	2311 MT

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Gangapur	Sorada	Padampur	Rice, Maize, Greengram, Blackgram, Sesamum, Ground nut, Vegetable	• Severe weed incidence in paddy • Blast disease in paddy • Use of traditional varieties of green gram • Improper nutrient management green gram	➤ Varietal substitution ➤ weed management ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow
2	Chadheipalli	Aska	Phulasarapalli	Rice, Sugarcane, Blackgram, Greengram, Groundnut, Sesamum, Mushroom	• Severe weed incidence in paddy • Low yield in mustard • Use of traditional varieties of green gram • Improper nutrient management green gram	➤ weed management ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution
3	Jagannathprasad	Jagannathprasad	Ekagharia	Rice, Pigeonpea, Greengram, Sesamum, Sugarcane, Groundnut, Vegetable	• Severe weed incidence in paddy • Low yield in Arhar • Use of traditional varieties of green gram • Improper nutrient management green gram	➤ weed management ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution
4	Jilundi	Bhanjanagar	Buduli	Rice, Greengram, Vegetable, Groundnut	• Severe weed incidence in paddy • Use of traditional varieties of green gram • Wilting problem in vegetable	➤ weed management in rice ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution

5	Ambapua	Belaguntha	Patharapalli	Rice, Greengram, Blackgram, Sesamum, Vegetable	• Use of traditional varieties of green gram • YMV infection in green gram • Severe weed incidence in paddy • Wilting problem in vegetable	➤ weed management in rice ➤ Pest & diseases management ➤ Integrated nutrient management ➤ Targeting rice fallow ➤ Varietal substitution
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2. c. Details of village adoption programme:

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

Name of village	Block	Action taken for development
Golapada	Bhanjanagar	OFT, FLD, Training, field day, diagnostic field visit
Ekagharia	Jagannath Prasad	OFT ,FLD, Training, field day, diagnostic field visit
Kanapalli	Polasara	OFT ,FLD, Training, field day, diagnostic field visit
Bhusunda	Seragada	OFT ,FLD, Training, field day, diagnostic field visit
Digi	Dharakote	OFT ,FLD, Training, field day, diagnostic field visit

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification
2.	INM in Fruits & Vegetable
3.	Honey bee rearing
4.	HYV & wilt tolerant varieties
5.	Integrated fish farming
6.	Processing and value addition
7.	Nutritional security
8.	Vaccination ,feed management in Cattle & Goat
9.	Low cost production technique
10.	Backyard poultry
11.	Mushroom cultivation
12.	Kid mortality & disease management

13.	Pest Disease & weed management
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3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD											
No. of technologies tested:												No. of technologies demonstrated:											
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	12	84	12	5	3	-	46	18	61	23	84	23	23	230	22	11	4	-	157	36	183	47	200

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
90	87	2060	413	166	11	-	1004	386	1428	5520	1	1193	1210	10916	1720	546	48	16	8642	1934	917	230	126

Impact of capacity building										Impact of Extension activities											
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)							Number of Participants attended				Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
238	174	9	3	-	-	34	8	4	1	5	12000	10906	7	4	-	-	11	5	18	9	27
								3	1	4											

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
200.0	196.0	1.0	0.96917

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
		0.00400	0.00212

* 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						
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter	2						
Popular Articles	5						
Book Chapter							
Extension Pamphlets/ literature	3						
Technical reports	18						
Electronic Publication (CD/DVD etc)	1						
TOTAL	31						

3.1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of different maize hybrids for rainfed up land
2.	Problem diagnosed	Low yield of maize due to Lack of availability for suitable high yielding varieties
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Cultivation of Maize variety MAHYCO-377 Technology option-I (TO-I): Cultivation of Maize variety Kalinga Raj Technology option-I (TO-II): Cultivation of Maize variety VNR-4226 (Assessed)
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	AICRP on Maize, 2019
5.	Production system and thematic area	Maize-pulses and varietal evaluation
6.	Performance of the Technology with performance indicators	Number of cob/plant, number of seeds/cob, test weight, seed yield (q/ha), stover yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	OFT in first year
8.	Constraints identified and feedback for research	NA
9.	Process of farmers participation and their reaction	Filed visit, interaction, group discussion, problem identified and prioritization

Thematic area: Varietal evaluation

Problem definition: Low yield of maize due to Lack of availability for suitable high yielding varieties

Technology assessed: Cultivation of Maize variety VNR-4226 (Assessed)

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Cob weight (g/cob)	Cob length (cm) Grain					
FP	7	124.2	16.4	43.4	35000	79440	34440	1.98
TO-I	7	130.6	19.3	48.2	35000	79120	44120	2.20
TO-II	7	127.4	18.1	45.6	35000	74960	37960	2.08

OFT-2

1.	Title of On farm Trial	Assessment of Integrated Weed Management practices in pigeon pea
2.	Problem diagnosed	Low yield due to heavy weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Manual weeding at 25 DAS Technology option-I (TO-I): Pre emergence application of Pendimethalin (30 EC) @0.75 kg/ha at 3 DAS+ Post emergence application of Imazethapyr (10 SL) @ 100 g a.i. /ha + 1 HW at 50 DAS Technology option-II (TO-II): Pre emergence application of Pendimethalin (30 EC) @0.75 kg/ha at 3 DAS+ Post emergence application of propaquizalfop 2.5%+Imazethapyr (3.75% w/w) @ (50+ 75 g) a.i./ha + 1 HW at 50 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Pigeon pea, 2013, AICRP on Pigeon pea, 2022-23
5.	Production system and thematic area	Pigeonpea-fallow and Weed management
6.	Performance of the Technology with performance indicators	WCE %, WI%, Grain yield (kg/ha), B:C ratio,
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	NA
9.	Process of farmers participation and their reaction	Filed visit, interaction, group discussion, problem identified and prioritization

Thematic area: Weed Management

Problem definition: Low yield due to heavy weed infestation

Technology assessed: **TO-I:**Pre emergence application of Pendimethalin(30 EC) @0.75 kg/ha at 3 DAS+ Post emergence application of Imazethapyr (10 SL) @ 100 g a.i. /ha + 1 HW at 50 DAS

TO-II:Pre emergence application of Pendimethalin(30 EC) @0.75 kg/ha at 3 DAS+ Post emergence application of propaquizalfop 2.5%+Imazethapyr (3.75% w/w) @ (50+ 75 g)a.i./ha + 1 HW at 50 DAS

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Weeds/m2	WI%					
FP	7	46.6		10	37000	70000	33000	1.89
TO-I	7	9.4	68	12.2	38000	85400	47400	2.25
TO-II	7	6.2	84	13.0	39000	91000	52000	2.33

OFT-3

1.	Title of On farm Trial	Assessment of IDM practices against YMV disease in Greengram
2.	Problem diagnosed	Yellowing & drying of leaves, small pods, low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Spraying of Thiamethoxam@ 150gram/ha Technology option-I (TO-I): Seed treatment with Thiamethoxam 25 WG @ 5g/kg seed followed by installation of yellow sticky trap (YST) 50/ha and spraying of Acetamiprid @ 0.03% twice at 30 days after sowing and after 15 days interval Technology option-II (TO-II): Seed treatment with Imidacloprid 600 FS @ 5 ml/ kg, placement of yellow sticky trap @ 50/ha, spraying of Neem oil 0.15% @ 2 ml/lt. at 30 DAS and need based spraying of Diafenthiuron 50 WP @ 1 gm /lt. at 45 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	SLREC proceeding , OUAT, 2019 OUAT Annual Report, 2020-21
5.	Production system and thematic area	Rice-Greengram and Integrated Disease Management
6.	Performance of the Technology with performance indicators	YMV %, white fly/leaf, Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Filed visit, interaction, group discussion, problem identified and prioritization

Thematic area: IntegratedDisease Management

Problem definition: Yellowing & drying of leaves, small pods, low yield

Technology assessed: **TO-I:**Seed treatment with Thiamethoxam 25 WG @ 5g/kg seed followed by installation of yellow sticky trap (YST) 50/ha and spraying of Acetamiprid @ 0.03% twice at 30 days after sowing and after 15 days interval

TO-II:Seed treatment with Imidacloprid 600 FS @ 5 ml/ kg, placement of yellow sticky trap @ 50/ha, spraying of Neem oil 0.15% @ 2 ml/lt. at 30 DAS and need based spraying of Diafenthiuron 50 WP @ 1 gm /lt. at 45 DAS

Table:

Technology option	No. of trials	Yield component		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		YMV affected plant%	YMV affected pod %					
FP	7	18.6	22.4	5.2	24000	36400	12400	1.52
TO-I	7	6.3	4.6	7.1	26000	49700	23700	1.91
TO-II	7	4.8	6.1	7.6	27000	53200	26200	1.97

OFT-4

1.	Title of On farm Trial	Assessment of Integrated Pest Management practice against Pigeonpea pod borer complex
2.	Problem diagnosed	Defoliation, damaged pod & low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Spraying of Profenofos@1lt./ha Technology option-I (TO-I): Spraying of Azadiractin @0.15% @ 1.5 lt./ha at 50% followed by flubendiamide 48SC @ 200ml/ha. &Bt@ 1kg/ha. at 15 days interval (Assessed) Technology option-I (TO-II): Spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% followed by Profenofos @ 1lt./ha. &Emamectin benzoate @ 200ml/ha. at 15 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	(SLREC proceeding ,OUAT, 2018), (NCIPM Annual Report, 2017-18)
5.	Production system and thematic area	Pigeonpea-fallowandIntegrated Pest management
6.	Performance of the Technology with performance indicators	No. of larvae/plant, damaged pod % , Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Filed visit, interaction, group discussion, problem identified and prioritization

Thematic area: Integrated Pest management

Problem definition:Low yield of maize due to Lack of availability for suitable high yielding varieties

Technology assessed:Spraying of Azadiractin @0.15% @ 1.5 lt./ha at 50% followed by flubendiamide 48SC @ 200ml/ha. &Bt@ 1kg/ha. at 15 days interval (Assessed)

Table:

Technology option	No. of trials	Yield component			Disease /Insect Pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No.of larvae/Plant	Damaged pod%	Test wt. (100 grain wt.)						
FP	7	5.6	26.4			10.1	36000	70700	34700	1.96
TO-I	7	0.7	4.6			12.6	39000	88200	49200	2.26
TO-II	7	0.9	6.8			12.1	38000	84700	46700	2.23

OFT-5

1.	Title of On farm Trial	Assessment of Chilli hybrids for resistance to multiple disease
2.	Problem diagnosed	Low yield due to multiple disease infection
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Royal Bullet Technology option-I (TO-I): Arka Sanvi (Assessed) Technology option-I (TO-II): Arka Tanvi
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR Bangalore, 2010 and 2014
5.	Production system and thematic area	Vegetable –vegetable, Varietal evaluation
6.	Performance of the Technology with performance indicators	No. of fruits /plant, Yield of Fruits/plant, % of disease infection
7.	Final recommendation for micro level situation	ArkaSanvi can be recommended for cultivation against leaf curl virus
8.	Constraints identified and feedback for research	ArkaSanvi is light green but dark green colour of chilli fruit is preferred in market
9.	Process of farmers participation and their reaction	Training, demonstration, field visit

Thematic area: *varietal evaluation*

Problem definition: Low yield due to leaf curl virus disease infection

Technology assessed:**Technology option-I (TO-I):** Arka Saanvi

Technology option-II (TO-II): ArkaTanvi

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of fruits/plant	% of leaf curl virus						
FP	7	102.6	28.6		124.3	150000	370900	220900	2.48
TO1	7	144.3	4.3		146.4	153000	439200	286200	2.87
TO2	7	132.4	9.1		134.2	153000	402600	249600	2.63

OFT-6

1.	Title of On farm Trial	Assessment of cowpea varieties for tolerance to mosaic virus
2.	Problem diagnosed	Low yield and incidence of cowpea mosaic virus
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Cultivation of local variety (Sautuni) Technology option-I (TO-I): ArkaMangala Technology option-I (TO-II): SwarnaHarit
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Bangalore,2019 and ICAR-RCER 2008
5.	Production system and thematic area	Rice - vegetable, Varietal evaluation
6.	Performance of the Technology with performance indicators	No. of pods/plant, YMV incidence, Pod length
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training, demonstration, field visit

Thematic area:Varietal evaluation

Problem definition:Low yield and incidence of cowpea mosaic virus

Technology assessed:**Technology option-I (TO-I):** ArkaMangala

Technology option-I (TO-II):SwarnaHarit

ResultTable:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of pods/ plant	Pod Length (Cm)	YMV (%)					
FP	7	71.14	34.42	23.4	156.14	134428	370900	99782	2.48
TO1	7	92.7	47.28	4.5	187.28	136928	439200	143992	2.87
TO2	7	85.80	41.85	8.1	173.71	135928	402600	124637	2.63

OFT-7

1.	Title of On farm Trial	Assessment of improved techniques of paddy straw mushroom cultivation using crumbled straw
2.	Problem diagnosed	Less income due to high cost of bundle straw
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Rectangular compact size Technology option-I (TO-I): Square compact method. (Assessed) Technology option-I (TO-II): Circular compact method
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR Bangalore, 2010 and 2014
5.	Production system and thematic area	Homestead, Mushroom Spawn Production
6.	Performance of the Technology with performance indicators	Days of pin head appearance, Average fruit body weight, Biological efficiency
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area: *varietal evaluation*

Problem definition:Less income due to high cost of bundle straw

Technology assessed:**Technology option-I (TO-I):** Square compact method.

Technology option-II (TO-II): Circular compact method

Table:

Technology option	No. of trials	Yield component		Yield (Kg/bed)	Cost cultivation of (Rs./bed)	Gross return (Rs/bed)	Net return (Rs./bed)	BC ratio
		Days of emergence of pin head	Biological efficiency (%)					
FP	7	0.4	9.6	0.47	42	67	25	1.6
TO1	7	8.1	10.2	0.67	42	71	29	1.7
TO2	7	8.5	11.0	0.81	42	77	35	1.9

OFT-8

1.	Title of On farm Trial	Assessment of value addition of finger millet for enhancing income of SHG
2.	Problem diagnosed	Limited value addition and distress selling.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Value addition of Finger millet by preparing only powder Technology option-I (TO-I): Value addition of Finger millet by preparing Sev Technology option-I (TO-II): Value addition of Finger millet by preparing Murukku
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CFTRI, Mysore, 2014
5.	Production system and thematic area	Homestead
6.	Performance of the Technology with performance indicators	Sensory evaluation, Keeping quality
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area:Value addition

Problem definition:Limited value addition and distress selling.

Technology assessed:**Technology option-II (TO-II):** Value addition of Finger millet by preparing Murukku

Result Table:

Technology option	No. of trials	Yield component		% increase in yield	Cost of cultivation (Rs./bed)	Gross return (Rs./bed)	Net return (Rs./bed)	BC ratio
		Sensory evaluation	Keeping quality (months)					
FP	7	6.4	1.5		100	400	300	1.3
TO1	7	7.5	1	160	560	1040	480	1.8
TO2	7	7.8	1	200	590	1200	610	2.03

OFT -9

1.	Title of On farm Trial	Assessment of two different etno-veterinary formulation for treatment of lumpy skin disease in cattle
2.	Problem diagnosed	Occurrence of Lumpy skin disease with economic loss
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): No supportive treatment Technology option-I (TO-I): 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 Technology option-I (TO-II): 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. 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
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NDDB, 2022
5.	Production system and thematic area	Semi intensive, Livestock Production and Management
6.	Performance of the Technology with performance indicators	Recover of affected animals after initiation of treatment, Production parameters, BC ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Positive

Thematic area: Production & Management

Problem definition: Occurrence of Lumpy skin disease with economic loss

Technology assessed:

Table:

Technology option	No. of trials	Yield component		% increase (milk)	Cost of cultivation production ration per day)	Gross return (Rs/day)	Net return (Rs./day)	BC ratio
FP No supportive treatment	7	Continuing						
TO1:								
TO2 :								

OFT -10

1.	Title of On farm Trial	Assessment of inclusion of broken rice as a substitute for maize as feed ingredient in poultry feed formulations on growth of chicks in semi-intensive system of rearing
2.	Problem diagnosed	Poor growth rate of growing chicks due to poor feed provisioning due to high cost of commercially available poultry feed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Feeding of only broken rice during 35 days followed by free range feeding Technology option-I (TO-I): Provisioning feed with ground maize 35%, GNOC 23%, Fish meal 10%, wheat bran 15%, Broken rice 15%, Di calcium phosphate 1%, Vitamins amino acids 1.6%, salt 0.4% c Technology option-I (TO-II): Soaking of chaffed straw in 1% alkaline water (NaHCO ₃), draining residual water, washing with fresh water and fed @6-8kg/day
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIWA 2016,
5.	Production system and thematic area	Semi intensive, Livestock Production and Management
6.	Performance of the Technology with performance indicators	Body weight at 15 days, 30days, 45 days, mortality rate, ody wt. gain, Egg production, BC ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Positive

Thematic area: Livestock Production and Management

Problem definition: Poor growth rate of growing chicks due to poor feed provisioning due to high cost of commercially available poultry feed
Technology assessed:

Table:

Technology option	No. of trials	Yield component		% increase (milk)	Cost of cultivation production ration per day)	Gross return (Rs./day)	Net return (Rs./day)	BC ratio
		Continuing						
FP	7							
TO1:								
TO2 :								

OFT-11

1.	Title of On farm Trial	Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability
2.	Problem diagnosed	Unorganized farmers fetching low return from the farm produce
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Farmers marketing their produce individually through intermediaries Technology option-I (TO-I): FPO dealing with a single commodity with a single task i.e., Vegetable/ Pulse/ or any other commodity – Marketing Technology option-II (TO-II): FPO dealing with single commodity with multi-task i.e. Vegetable- sorting, grading, packing, branding and marketing Technology option-III (TO-III): FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing Technology option-IV (TO-IV): FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Vegetable+ vegetable / Group dynamics
6.	Performance of the Technology with performance indicators	Days of pin head appearance, Average fruit body weight, Biological efficiency
7.	Final recommendation for micro level situation	

8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area: Group dynamics

Problem definition: Unorganized farmers fetching low return from the farm produce

Technology assessed: performance of FPOs with varied levels of task and commodity to enhance profitability

Table:

Results	*1 (%)	*2 (%)	*3 (%)	*4 (%)	*5 (%)	*6 (%)
FP : Farmers marketing their produce individually through intermediaries	23.33	33.33	36.67	26.67	20.00	10.00
TO1: FPO dealing with a single commodity with a single task i.e., Vegetable/ Pulse/ or any other commodity –Marketing	60.00	50.00	43.33	40.00	40.00	43.33
TO2: FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing.	66.67	60.00	53.33	46.67	50.00	53.33
TO3: FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing	93.33	83.33	66.67	63.33	93.33	90.00

***Observation Parameters: 1. A farmer to become a member 2. Contribution for share capital, 3. Better business planning, 4. Access to technology, 5. Access to inputs in time, 6. Better marketing facility**

OFT-12

1.	Title of On farm Trial	Assessment of effectiveness of different extension methods to access information on rice production
2.	Problem diagnosed	Low rate of transfer of technology
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Knowledge from progressive farmer & Dealer Technology option-I (TO-I): FP + Short Video Lecture + FGD (Assessed) Technology option-II (TO-II): FP + rice Xpert App
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	
5.	Production system and thematic area	
6.	Performance of the Technology with performance indicators	Days of pin head appearance, Average fruit body weight, Biological efficiency
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Diagnostic field visit, Method demonstration training

Thematic area:

Problem definition:Unorganized farmers fetching low return from the farm produce

Technology assessed:FP + Short Video Lecture + FGD (Assessed)

Table:

Technology option	Timely availability (%)	Delivery of technology (%)	Suitability of Technology (%)	Ease in handling the extension method (%)	Retention & retrieval of the information	MS
FP : Knowledge from progressive farmer & Dealer	82.4	32.8	28.4	88.2	DA	57.95
TO1: FP + Short Video Lecture + FGD	72.6	68.4	62.6	72.6	A	69.05
TO2: FP + rice Xpert App	78.2	52.6	48.4	64.2	SA	60.85

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No .	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration										Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total				
						M	F	M	F	M	F	M	F	T		
1.	Ragi	Varietal evaluation	Cultivation of var. Arjuna (OEB 526)	4.0	4.0	4				16		20		20		
2.	Sesamum	Nutrient management	STBFR + Consortia of Azotobacter, Azospirillum and PSM each @ 4.0 kg/ha inoculated to 300 kg of FYM, mixed with 15 kg of lime, incubated at 30% moisture for a week & applied at the time of Sowing .	2.0	2.0	2				8		10		10		
3.	Greengram	Integrated Nutrient Managem ent	Application of 75% STBFR+ Foliar application of WSF 18-18-18 @2% at pre flowering and pod filling	2.0	2.0	4				6		10		10		
4	Rice (False Smut disease)	Integrated Disease Managem ent	Seed treatment Carbandazim@2g/kg seed and application of Trifloxystrobin + Tebuconazole @200gram/ha. at Boot stage& after 10 days interval	2.0	2.0	2				8		10		10		

5	Maize	Integrated Pest Management	Neempesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Trichogamma @ 50000eggs/ha., Chlorpyriphos + cypermethrin @ 1lt./ha., Beauvariabassiana @ 2kg/ha at tassel stage.	2.0	2.0	3				7		10		10	
6	Ragi	Integrated Disease Management	Spraying of NSKE @ 5%. at 35 DAT	2.0	2.0	2				8		10		10	
Other Crops															
7	Chilli	Integrated Disease management	Seed treatment with (Carboxin 37.5% + Thiram 37.5%) @ 0.2% followed by three sprayings with Difenconazole @ 0.1% from initial disease appearance at 10 days interval	2.0	2.0	3				7		10		10	
8	Tomato	Varietal evaluation	Triple resistant variety of tomatoArkaRakshak	1.0	1.0					10		10		10	
9	Brinjal	Varietal evaluation	Brinjal var. SwarnaShyamali , green with white stripe, round, weight 150 to 200 gm and tolerant to bacterial wilt	1.0	1.0	1				9		10		10	
10	Chilli	Varietal evaluation	Spray of Triacntanol @ 1.25ml/liter at 40 , 60 and 80th DAP	1.0	1.0	2				8		10		10	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P ₂ O ₅	K ₂ O					
Ragi	Kharif, 2023	Rainfed	Sandy loam	225.3	17.4	226.3	Ground nut	09.07.2023	22.10.23		
Sesamum	Rabi, 2022-23	Irrigated	Sandy loam	145.3	21.0	285.1	Rice	12.2.2023	04.06.2023		
Greengram	Rabi, 2023	Rainfed	Sandy loam	203.2	22.4	162.6	Rice	19.12.2023	20.03.2023		
Rice (False Smut disease)	Kharif, 2023	Rainfed	Sandy loam	198.6	15.3	298.5	Greengram	20.6.2023	1.11.2023		
Maize	Kharif, 2023	Rainfed	Sandy loam	220.0	21.4	132.6	Blackgram	22.06.2023	29.09.2023		
Ragi	Kharif, 2023	Rainfed	Clay loam	225.5	15.2	186.3	Greengram	09.07.2023	22.10.23		
Chilli	Rabi, 2023	Irrigated	Sandy loam	170.4	11.3	117.7	Vegetable	17.12.2023	Not harvest		
Tomato	Kharif, 2023	Irrigated	Sandy loam	167.4	8.3	117.7	Vegetable	17.8.2023	21.11.2023		
Brinjal	Kharif, 2023	Irrigated	Loamy	156.4	9.2	119.4	Vegetable	21.8.2023	17.11.2023		
Chilli	Rabi, 2023	Rainfed	Sandy loam	172.0	19.2	144.6	Fallow	25.8.2023	18.11.2023		

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
Ragi	Varietal evaluation	Cultivation of var. Arjuna (OEB 526)	10	4.0	14.2	10.8	31.4	No of fingers/earhead 7.3	5.3	29000	56800	27800	1.96	28000	43200	15200	1.54
Sesamum	Nutrient management	STBFR + Consortia of Azotobacter, Azospirillum and PSM each @ 4.0 kg/ha inoculated to 300 kg of FYM, mixed with 15 kg of lime, incubated at 30% moisture for a week & applied at the time of Sowing .	10	2.0	7.8	6.4	21.8	No.of pods/plant-84	56	28000	78000	50000	2.78	25000	64000	39000	2.56
Green gram	Integrated Nutrient Management	Application of 75% STBFR+ Foliar application of WSF 18-18-18 @2% at pre flowering and pod filling	10	2.0	8.1	6.2	30.6	No.of pods/plant-14.4	9.8	22000	40500	18050	1.84	18000	31000	13000	1.72

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 (False Smut disease)	Integrated Disease Management	Seed treatment Carbandazim@ 2g/kg seed and application of Trifloxystrobin + Tebuconazole @200gram/ha. at Boot stage& after 10 days interval	10	2.0	46.8	41.2	13.6	Affected panicle (%) - 8.6	2.8	44000	92800	48800	2.11	42000	82400	40400	1.96
Maize	Integrated Pest Management	Neempesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Trichogamma @ 50000eggs/ha., Chlorpyrifos + cypermethrin @ 1lt./ha., Beauveria bassiana @ 2kg/ha at tassel stage.	10	2.0	44.2	36.1	22.4	No. of larvae/25m ² -3.6	14.2	39000	79500	40560	2.04	36000	64980	28980	1.81
Ragi	Integrated Disease Management	Spraying of NSKE @ 5%. at 35 DAT	10	2.0	13.8	11.4	21	Dead heart (%) -3.4	11.4	30000	53200	23200	1.72	28000	45600	17600	1.63

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Chilli	Integrated Disease management	Seed treatment with (Carboxin 37.5% + Thiram 37.5%) @ 0.2% followed by three sprayings with Difenconazole @ 0.1% from initial disease appearance at 10 days interval	10	1.0	264.0	242.0	55	Disease Fruit % -1.4	Disease Fruit % -9.6	226000	490000	264000	2.16	220000	446000	226000	2.02
Tomato	Varietal evaluation	Triple resistant variety of tomato Arka Rakshak	10	1.0	395.3	332.8	18.98	No. of Fruit/Plant -43.6	33.8	166166	395300	229134	2.37	167166	332800	165634	1.99
Brinjal	Varietal evaluation	Brinjal var. Swarna Shyamali, green with white stripe, round, weight 150 to 200 gm and tolerant to bacterial wilt	10	1.0	306.4	264.2	16.0	% wilt-32.4	8.2	137000	306400	169400	2.23	135000	264000	129000	1.96
Chilli	Varietal evaluation	Spray of Triacanthanol @ 1.25ml/liter at 40, 60 and 80th days of planting.	10	1.0	290.8	235.4	11.4	No. of fruits/plant-138.4	116.8	142000	354600	212600	2.49	140000	319200	179200	2.28
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	Livestock Production & Management	Demonstration of Bypass Fat Feeding to increase milk yield and milk fat % in case of dairy cows	10	10	Avg Milk yield (L/day): 7.64	Avg Milk yield (L/day): 5.13	61	Avg Fat (%) 4.9	Avg Fat (%) 3.04	146	304	158	2.08	87	100	13	1.14
Cow																	
Buffalo																	
Poultry	Breed management	Demonstration on poultry breed "OUAT kalingapallishree" in backyard	10	10	Body wt gain (45 days) 1.536 kg	Body wt gain (45 days) 0.75kg	104.8	Mortality 2%	Mortality 18%	10600	30100	19500	2.83	6550	12300	5750	1.88
Poultry (Quail)	New Poultry spp	Demonstration quail farming in semi-intensive system	10	10	Body wt gain in 45 days: 253g	Nil	-			3000	4800	1800	1.6	-	-	-	-

	Poultry nutrition	Demonstration on use of probiotics mixture @ 0.05% in feed in poultry			Body wt gain (90days) 1.32 kg	Body wt gain (90days) 0.98kg		Diarrhoea/mortality: 5%	Diarrhoea/mortality: 20%	10500	31350	20850	2.98	10000	15680	5680	
Poultry			10	10		g	34.7										1.56
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)	Fodder	Demonstration on perennial fodder production and feeding in dairy farming.	10	10	Avg. milk yield (90 days) 6.02	Avg. milk yield (90 days) 6.54	8.3	Producti on 30t/ha	-	4500	14625	10125	3.25	9000	12960	3960	1.44
Total			50	50													

* 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
IMC	Integrated fish farming	Demonstration on Pond based horticulture - Duckery farming system	5	5	34.4	23.8	44.5			12000	38880	26880	2.24	9000	23850	14850	1.65
IMC	Production and management	Demonstration on Yearling stocking for yield enhancement in Community pond	5	5	41.24	28.7	43.7	Survivability(%) 86.8, plankton conc. (ml/50 lit. water) 2.65 Avg body wt (kg): 0.845	Survivability(%) 57.5, plankton conc. (ml/50 lit. water) 2.22 Avg body wt (kg): 0.474	20500	68700	48200	2.35	14200	38340	24170	1.7
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 (Yield)		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./bed				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy straw mushroom	Humidity management in paddy straw mushroom	10	10	0.81kg / bed	0.47 kg / bed	72	(Biological efficiency%) 11.5	6.7	82	203	121	2.4	75	118	43	1.5
Blue Oyster mushroom	Blue Oyster mushroom Var. <i>Hipsizygusulmarius</i>	10	10	2.2 kg/bag	1.6 g	29.4	(Biological efficiency%) 110.2	80.5	32	132	100	4.1	32	90	58	3.0
Vermicompost	Demo. using spent mushroom substrate	10	10	4.0 qtl./pit	2.0	50	Conversion period (Days) 88	290	2150	6150	4000	2.86	400	550	150	1.3
Marigold	Var. <i>Bidhan marigold - 2</i>	10	10	98.6 q/ha	83.4	18.2	Wt. of Flower/ plant (g.) 145.7	113.2	150000	394400	244400	2.62	140000	333600	193600	2.38
Apiculture																
Others (pl.specify)																
Total																

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Cost of threshing (q.)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									
OUAT RAGI THRESHER-CUM-PEARLER	Ragi	Operated by 1.0hp electric motor Output :: 80-85 kg/h Threshing efficiency :: 93 - 95 %	10		Threshing capacity (kg/hr) – 70.6	Threshing capacity (kg/hr) – 10.4	79.2	Cleaning efficiency – 98%	Cleaning efficiency – 92%	Cost of threshing(Rs /q) – Rs.600/-	Cost of threshing (Rs/q) – Rs.111/-	Net return (Rs/ha.) – 12900 /- (yield 8.5 q/ha)	Net return (Rs/ha.) – 8700 /- (yield 8.5 q/ha)		
Dry land power weeder in Rabi vegetables	Tomato / Brinjal	Capacity: 0.08-0.1 ha/h (12.5 h/ha) Cost of operation: Rs 2000-2500/- per ha	10		Labourrequired (MD/ha)- 12	Labourrequired (MD/ha) - 44	72	Fuel consumption (Lt./hr.) – 0.8	-	Cost incurred (Rs./ha.) – 6000/-	Cost incurred (Rs./ha.) – 13200/-				

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

** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids

[illegible]

Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)	CO4	10	2.5ha	30t/ha						
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	Brinjal	Presence of spine on leaf and fruit of var. SwarnaShamali result difficulty in harvesting
2	Tomato	ArkaRakshak fruit is oval shape but round shape fruit are preferred in local market
3	Nutritional garden	It is a sustainable model for nutritional security at family level
4	Vermi compost from spent mushroom straw	It is a waste management techniques that decomposes solid waste in ecofriendly way.
5	Blue oyster mushroom	High biological efficiency with good taste, keeping quality.
6	Pickle from oyster mushroom	Fetching good income, keeping quality, taste, and flavor are appreciable.
7	Poultry breed "OUAT KalingaPallishree" in backyard	Early return of investment, Broiler like growth in short period Early marketing
8	Fodder CO4	Improved milk production, reduction in production cost
9	Bypass fat feeding dairy cows	High value of milk, Market acceptability increased, Reduced body wt loss
10	Quail farming	Diversified poultry production, high quality meat & egg
11	Pro-biotics in poultry feed	Lower incidence of diarrhea, increased FCR

Extension and Training activities under FLDBrinjal

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	18.8.2023 and 3.10.2023	2	50	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD-Chilli

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	16.7.2023	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Tomato

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	12.7.2023	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD– Maize fall army worm

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	14.08.2023	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Nutritional garden

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	08.06.2023	1	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD Blue Oyster Mushroom cultivation

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	14.12.2023	1	50	
2.	Farmers Training	21.11.2023	2	25	
3.	Media coverage				
4.	Training for extension functionaries				

Extension and Training activities under FLD-Vermicompost using spent mushroom straw

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	17.08.2023	2	25	
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: CFLD-PULSE-GREENGRAM- Rabi, 2022-23

Sl . N o.	Crop demonst rated	Existin g (Farm er's) variety name	Exist ing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technolog y demonstrat ed	Num ber of farm ers	Ar ea in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				Distr ict yield (D)	Sta te yie ld (S)	Poten tial yield (P)				Ma x.	Mi n.	Av .	D	S	P
	Greengr am	PDM- 139	5.32	4.6	4.8	10.0	Improved Seed Var. <i>IPM 2-14</i> treated with Rhizobiu m @ 20 gm./ 1 Kg. of seed before one hour of sowing. Applicati on of Water soluble fertilizer (N:P:K - 19:19:19) @ 05 gm./ lt. after 25&40 DAS. Yellow sticky trap@ 50/ha. Spraying of Thiameth	50	20	8.1	5. 9	7. 13	54. 35	47. 92	

							oxam @ 150 gm/ ha. for sucking pests, Profenofo s@ 1lt./ha for pod borer								
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B. Economic parameters

Sl. No.	Variety demonstra ted & Technolog y demonstra ted	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
	Improved Seed Var. <i>IPM 2-14</i> treated with Rhizobiu m @ 20 gm./ 1 Kg. of seed before one hour of sowing. Applicati on of Water soluble fertilizer (N:P:K - 19:19:19) @ 10 gm./ lt. after 25 DAS. Spraying	16500	26600	10100	1.61	19500	35650	16150	1.83

	of Thiameth oxam @ 150 gm/ ha.								
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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)
	Greengram Var. <i>IPM 2-14</i>	14260	239.2	50	1000	1500	-For next season crop - Household expenses - Children's education	48/Household

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1. 2. 3.	-Improved seed Var: <i>IPM 2-14</i> -Seed treatment with Rhizobium - Application of Water soluble fertilizer (N:P:K - 19:19:19)	Greengram is a major crop of the district and is cultivated in 1.5 lakh ha. This variety is very	-Farmers preferred the bold and green color of the seed -They are quite satisfied with the aroma of the dal prepared	All inputs recommended are affordable	-	Yes	Plant protection chemicals & Rhizobium must be available on subsidized rate at block level so that all the farmers can afford it.

	Yellow sticky trap & Spraying of Thiamethoxam for controlling sucking pest, Profenofos for pod borer	much suitable to the existing farming system	from the seed -Most significantly they preferred the variety due to its tolerance to YMV				
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E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
It is tolerant to YMV	-	16.4	YMV is a major challenge in Greengram. This new var. is performing well as its tolerant to YMV
No. of pods are more	13.8	7.3	Pods are bigger in size as compared to existing var. and no. of pods are more
High yielding	7.13	5.32	

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Group meeting	4.12.22 (Chadhipalli) 7.12.22 (Sindhukrupa)	22, 26 Total: 48
2	Diagnostic field visit	05.01.23 (Chadhipalli) 17.01.23 (Sindhukrupa)	18, 15 Total: 33
3	Method demonstration	14.12.23 (Chadhipalli) 16.12.23 (Sindhukrupa)	26, 34 Total: 60
4	Field Day	24.03.23 (Chadhipalli)	50

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.

**Performance of the demonstration:
2023-Kharif**
Cluster Frontline Demonstration on Pulses (Pigeonpea)-
B. Technical Parameters:

Sl · No.	Crop demonst rated	Existi ng (Farm er's) variet y name	Exist ing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technol ogy demonst rated	Num ber of farm ers	Ar ea in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				Distr ict yield (D)	Sta te yie ld (S)	Poten tial yield (P)				Ma x.	Mi n.	Av .	D	S	P
1	Pigeonpea	Kathi Kandul a (Local Var.)	11.27	1220	102 2	2000	-Improved variety, LRG-52 -Line sowing with spacing of 75 cmX 60 cm., - Seed treatment with Thiram @3gm/ kg of seed before 1 week of sowing and with Rhizobiu m @ 20 gm/kg of seed before 1 hour of sowing, - Spraying of Thiameth oxam 25%WG @ 150gram/ ha. to control aphid/thri p population , - Applicatio n of Water	50	20	15. 5	12. 8	14. 40	18. 03	40. 90	

							soluble fertilizer (N:P:K - 19:19:19) @ 2.5kg/ha., - Applicatio n of Trichocar d @15/ha. For pod borer managem ent - Spraying of Neem pesticide (1500ppm)l @1.5 lt./ ha. before pod initiation stage and applicatio n of Profenoph os @1lt./ha. to control pod borer infestation .								
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J. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	-Improved variety, LRG-52 -Line sowing with spacing of 75 cmX 60 cm., Seed treatment with Thiram @3gm/ kg of seed before 1 week of sowing and with	27,200	67,620	40,420	2.48	30,600	86,400	55,800	2.82

Rhizobium @ 20 gm/kg of seed before 1 hour of sowing, -Application of Trichocard @15/ha. For pod borer management -Spraying of Thiamethoxam 25%WG @ 150gram/ha. to control aphid/thrip population, -Application of Water soluble fertilizer (N:P:K -19:19:19) @ 2.5kg/ha., - Spraying of Neem pesticide (1500ppm)@1.5 lt./ ha. before pod initiation stage and application of Profenophos @1lt./ha. to control pod borer infestation.								
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K. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1.	Pigeonpea Var. LRG-52	70,550	600	60/-	100 kg each	1000	Purchase of critical inputs for farm activities and household	53

							d expenses	
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L. Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	-Improved variety, LRG-52 -Line sowing with spacing of 75 cmX 60 cm., - Seed treatment with Thiram @3gm/ kg of seed before 1 week of sowing and with Rhizobium @ 20 gm/kg of seed before 1 hour of sowing, --Application of Trichocard @15/ha. For pod borer management -Spraying of Thiamethoxam 25%WG @ 150gram/ha. to control aphid/thrip population, -Application	Recommended variety and pest management practices is suitable to the farming system	-Semi spreading type -Brown and large seeded -More no of pods (Purple colour) per plant and seeds /pod - Less incidence of fusarium wilt during pod development stage	Seed treatment, line sowing, weed management and control of aphid infestation practices	-	Yes, the technology and recommended variety is acceptable by the villagers/beneficiaries	Improved seeds should be made available through PACs or govt. agencies in subsidized rate.

of Water soluble fertilizer (N:P:K - 19:19:19) @ 2.5kg/ha.,- Spraying of Neem pesticide (1500ppm) @1.5 lt./ ha. before pod initiation stage and application of Profenophos @1lt./ha. to control pod borer infestation.						
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M. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding variety (q/ha)	14.40	11.27	Apart from productivity, farmers liked the purple coloured pod and the specific characteristic i.e moderately tolerant to wilt
Avg. No. of Pod/Plant	118	79	
100 seed weight (gm)	9.2	7.4	

N. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training on specific cultivation practices	22.06.2023 at Dhaugaon	22
2.	Training on specific cultivation practices	23.06.2023 at Merikote	35
3.	Method demonstration	4.07.2023 at Dhaugaon and on 10.07.2023 at Merikote	46
4.	Diagnostic field visit	26.09.2023 at Dhaugaon and Merikote	34
5.	Field Day	02.11.2023 at Dhaugaon	52

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeonpea(20ha.)	i) Critical input	54000	12000	
	ii) TA/DA/POL etc. for monitoring		7000	
	iii) Extension Activities (Field day)		9000	
	iv)Publication of literature		1000	
	Total	54000	136000	

[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
Others													
Total	6	70	31	101	30	19	49	0	0	0	100	50	150
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
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	1	9	5	14	7	4	11	0	0	0	16	9	25
WTO and IPR issues													
Others (Health mgt. calendar Ganiem goat)	1	25	0	25	0	0	0	0	0	0	25	0	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total	2	34	5	39	7	4	11	0	0	0	41	9	50
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	19	246	125	346	66	38	104	0	0	0	312	163	475

B) Rural Youth (on campus)

[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			
Rabbit farming													
Poultry production	1	12	3	15	0	0	0	0	0	0	12	3	15
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Plant products & ITKs for pest control	1	7	2	9	4	2	6				11	4	15
Total	12	96	41	137	28	15	43	0	0	0	106	74	180

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops													
Integrated Pest Management	1	7	2	9	4	2	6	0	0	0	11	4	15
Integrated Nutrient management													
Rejuvenation of old orchards	1	10	5	15	0	0	0	0	0	0	10	5	15
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care	1	0	12	12	0	3	3	0	0	0	0	15	15
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers	1	7	8	15	0	0	0	0	0	0	7	8	15
Capacity building for ICT application (ICT-led knowledge management and usage patterns in Agriculture)	1	6	3	9	4	2	6				10	5	15
Management in farm animals	1	12	2	14	1	0	1	0	0	0	13	2	15

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			
Livestock feed and fodder production													
Household food security	1	0	12	12	0	2	2	0	0	0	0	15	15
Other													
Total	7	42	44	86	9	9	18	0	0	0	51	54	105

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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	M	F	T
and bio pesticides													
Others													
Total	6	68	38	106	28	16	44	0	0	0	96	54	150
VIII. Fisheries													
Integrated fish farming	1	13	5	18	5	2	7	0	0	0	18	7	25
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1	16	3	19	4	2	6	0	0	0	20	5	25
Composite fish culture	3	42	18	60	11	4	15	0	0	0	53	22	75
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 (Fish disease management)	1	14	3	17	5	3	8	0	0	0	19	6	25
Total	6	85	27	114	25	11	36	0	0	0	110	40	150
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	2	20	9	29	14	7	21	0	0	0	34	16	50
Group dynamics	2	24	6	30	11	9	20	0	0	0	35	15	50
Formation and Management of SHGs	1	12	3	15	8	2	10	0	0	0	20	5	25
Mobilization of social capital	1	11	4	15	7	3	10	0	0	0	18	7	25
Entrepreneurial development of farmers/youths	2	22	8	30	12	8	20	0	0	0	34	16	50

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
WTO and IPR issues													
Others (ICM)	2	21	12	33	12	5	17	0	0	0	33	17	50
Total	10	110	42	152	64	34	98	0	0	0	174	76	250
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	57	508	348	858	308	200	498	36	12	48	850	575	1425

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	13	2	15	0	0	0	0	0	0	13	2	15
Training and pruning of orchards													
SDP in commercial fruit orchard	1	10	2	12	1	2	3	0	0	0	11	4	15
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	8	7	15		0	0	0	0	0	8	7	15
Planting material production													
Vermiculture	2	10	5	15	7	8	15	0	0	0	17	13	30
Mushroom Production	1	5	9	14	1	0	1	0	0	0	6	9	15
Beekeeping	1	7	1	8	6	1	7	0	0	0	13	2	15
Sericulture													
Repair and maintenance of farm machinery and implements (Orientation and awareness programme on Custom hiring centres for betterment of farming community)	1	10		10	5	0	5	0	0	0	0	15	15
Value addition	1	9	5	14		1	1				6	9	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing	1	5	5	10	4	1	5	0	0	0	9	6	15

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
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	12	3	15	0	0	0	0	0	0	12	3	15
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Plant products & ITKs for pest control	1	7	2	9	4	2	6				11	4	15
Total	12	96	41	137	28	15	43	0	0	0	106	74	180

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	7	2	9	4	2	6	0	0	0	11	4	15
Integrated Nutrient management													
Rejuvenation of old orchards	1	10	5	15	0	0	0	0	0	0	10	5	15
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care	1	0	12	12	0	3	3	0	0	0	0	15	15
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers	1	7	8	15	0	0	0	0	0	0	7	8	15
Capacity building for ICT	1	6	3	9	4	2	6				10	5	15

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			
application (ICT-led knowledge management and usage patterns in Agriculture)													
Management in farm animals	1	12	2	14	1	0	1	0	0	0	13	2	15
Livestock feed and fodder production													
Household food security	1	0	12	12	0	2	2	0	0	0	0	15	15
Other													
Total	7	42	44	86	9	9	18	0	0	0	51	54	105

i. Farmers & Farm Women

[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			
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	2	20	9	29	14	7	21	0	0	0	34	16	50
Group dynamics	2	24	6	30	11	9	20	0	0	0	35	15	50
Formation and Management of SHGs	1	12	3	15	8	2	10	0	0	0	20	5	25
Mobilization of social capital	1	11	4	15	7	3	10	0	0	0	18	7	25
Entrepreneurial development of farmers/youths	3	31	13	44	19	12	31	0	0	0	50	25	75
WTO and IPR issues													
Others (ICM & Ganjam Goat calender)	3	46	12	58	12	5	17	0	0	0	58	17	75
Total	12	144	47	191	71	38	109	0	0	0	215	85	300
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	70	723	465	1163	316	210	526	17	8	25	1054	696	1750

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Nursery Management of Horticulture crops	1	13	2	15	0	0	0	0	0	0	13	2	15
Training and pruning of orchards													
SDP in commercial fruit orchard	1	10	2	12	1	2	3	0	0	0	11	4	15
Commercial fruit production													
Integrated farming													
Seed production													
Production of organic inputs	1	8	7	15		0	0	0	0	0	8	7	15
Planting material production													
Vermiculture	2	10	5	15	7	8	15	0	0	0	17	13	30
Mushroom Production	1	5	9	14	1	0	1	0	0	0	6	9	15
Beekeeping	1	7	1	8	6	1	7	0	0	0	13	2	15
Sericulture													
Repair and maintenance of farm machinery and implements (Orientation and awareness programme on Custom hiring centres for betterment of farming community)	1	10		10	5	0	5	0	0	0	0	15	15

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	M	F	T
Value addition	1	9	5	14		1	1				6	9	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing	1	5	5	10	4	1	5	0	0	0	9	6	15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	12	3	15	0	0	0	0	0	0	12	3	15
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Plant products & ITKs for pest control	1	7	2	9	4	2	6				11	4	15
Total	12	96	41	137	28	15	43	0	0	0	106	74	180

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops													
Integrated Pest Management	1	7	2	9	4	2	6	0	0	0	11	4	15
Integrated Nutrient management													
Rejuvenation of old orchards	1	10	5	15	0	0	0	0	0	0	10	5	15
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application (ICT-led knowledge management and usage patterns in Agriculture)	1	6	3	9	4	2	6	0	0	0	10	5	15
Management in farm animals	1	12	2	14	1	0	1	0	0	0	13	2	15
Livestock feed and fodder production													
Household food security	1	0	12	12	0	2	2	0	0	0	0	15	15
Other													
Total	5	35	24	59	9	6	15	0	0	0	44	31	75

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Crop Production	F/FW	INM in sunflower	1	Off	18	7	25	6	4	10
Crop Production	F/FW	IWM in rice	1	Off	20	5	25	6	0	6
Crop Production	F/FW	IWM in DSR	2	Off	35	15	50	4	10	14
Crop Production	F/FW	ICM in ragi	1	Off	18	7	25	8	5	13

Crop Production	F/FW	ICM in maize	1	On	19	6	25	4	3	25
Crop Production	F/FW	ICM in Ragi	1	On	19	6	25	4	4	8
Crop Production	F/FW	IWM in ground nut	1	On	20	5	25	3	1	4
Crop Production	F/FW	ICM in blackgram	1	Off	18	7	25	8	7	15
Crop Production	F/FW	ICM in blackgram	1	On	19	6	25	4	4	z8
Crop Production	RY	Vermiculture	2	On	17	13	30	7	8	15
Crop Production	RY	Production of organic input	1	On	8	7	15	0	0	0
Plant Protection	F/FW	Management of major diseases in chilli	1	On	17	8	25	5	3	8
Plant Protection	F/FW	Management of major insect pest of cashew nut	1	Off	19	6	25	4	2	6
Plant Protection	F/FW	Integrated Pest Management in sesame	1	On	16	9	25	5	2	7
Plant Protection	F/FW	Management of major diseases in Yam	1	Off	15	10	25	6	3	9
Plant Protection	F/FW	Management of fall army worm in Maize	1	Off	19	6	25	3	2	5
Plant Protection	F/FW	Integrated Pest Management in Rice	1	On	14	11	25	6	4	10
Plant Protection	F/FW	Integrated Disease Management in Ragi	1	Off	15	10	25	6	5	11
Plant Protection	F/FW	Integrated disease Management in Rice	1	Off	16	9	25	5	2	7
Plant Protection	F/FW	Integrated Pest Management in pigeonpea	1	On	15	10	25	6	3	9
Plant Protection	F/FW	Management of diseases in Brinjal	1	On	20	5	25	5	2	7
Plant Protection	F/FW	Integrated Pest Management in cauliflower	1	Off	18	7	25	4	2	6
Plant Protection	F/FW	Integrated Pest Management in mango	1	On	20	5	25	5	3	8

Plant Protection	RY	Honey bee rearing	2	On	13	2	15	6	1	7
Plant Protection	RY	Role of plant products & ITKs for pest control	2	On	12	3	15	5	1	6
Plant Protection	IS	Role of new generation pesticide for pest control	1	On	11	4	15	4	2	6
Horticulture	Farmers/FW	Package of practices for brinjal cultivation	1	On	21	4	25	0	0	0
Horticulture	Farmers/FW	Off season tomato cultivation	1	Off	18	7	25	0	0	0
Horticulture	Farmers/FW	Agro techniques of chilli cultivation	1	On	19	6	25	4	0	4
Horticulture	Farmers/FW	Offseason cauliflower cultivation	1	Off	25	0	25	6	0	6
Horticulture	Farmers/FW	INM in cole crops	1	Off	17	8	25	9	1	10
Horticulture	Farmers/FW	Quality seedling production of vegetable in portray	1	On	25	0	25	0	0	0
Horticulture	Farmers/FW	Agro techniques for bitter gourd cultivation	1	Off	12	13	25	10	13	25
Horticulture	Farmers/FW	Use of growth regulator in vegetable	1	On	20	5	25	4	0	4
Horticulture	RY	Grafting techniques in solanaceous crop	2	On	15	0	15	0	0	0
Horticulture	RY	Modern techniques for cultivation of apple ber	2	On	15	0	15	0	0	0
Horticulture	Farmers/FW	Use of growth regulator in vegetable	1	Off	25	0	25	25	0	25
Horticulture	Farmers/FW	Package of practices for brinjal cultivation	1	Off	12	13	25	12	13	25
Horticulture	Farmers/FW	Off season tomato	1	Off	3	22	25	3	22	25

		cultivation								
Horticulture	Farmers/FW	Off season cauliflower cultivation	1	Off	6	19	25	6	19	25
Horticulture	Farmers/FW	INM in cole crops	1	Off	8	17	25	8	17	25
Horticulture	IS	Canopy management in mango plantation	1	On	11	4	15	3	2	15
Home Science	F/FW	Design and development of low/minimum cost diet	1	Off		25	25		7	7
Home Science	F/FW	Moisture management in paddystraw mushroom unit	1	Off		25	25		8	8
Home Science	F/FW	Value addition of mango	1	Off		25	25		11	11
Home Science	F/FW	Planning and layout of kitchen garden	1	Off		25	25			
Home Science	F/FW	Use of agricultural tools and implements for drudgery reduction	1	On		25	25		6	6
Home Science	F/FW	Cultivation of biofertilized vegetable	1	Off		25	25		15	15
Home Science	F/FW	Cultivation practices of paddystraw mushroom	1	Off		25	25		9	9
Home Science	F/FW	Value addition of Ragi	1	Off		25	25		9	9
Home Science	F/FW	Vermi composting by use of spent mushroom straw	1	Off		25	25		11	11
Home Science	F/FW	Cultivation practices of different varieties of oyster mushroom	1	Off		25	25		6	6
Home Science	F/FW	Value addition of Tomato	1	Off	0	25	25	0	11	11
Home Science	F/FW	Women empowerment	1	On	0	25	25	0	2	2
Home Science	RY	Value addition of fruits and vegetables	2	On	9	6	15		1	1
Home Science	RY	Mushroom production	1	On	6	9	15	1	0	1
Home Science	IS	Household food and nutritional security through nutrition	1	On		15	15		2	2

a) Details of training programmes for Rural Youth

[illegible]

[illegible][illegible][illegible]

[illegible]

Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

Good quality photographs of training activity:

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	24	968	367	1335	78	12	5	17	980	372	1352
KisanMela	2	487	144	631	73	11	5	16	498	149	647
KisanGhosthi				0	0			0	0	0	0
Exhibition	1	597	56	653	87	43	19	62	640	75	715
Film Show	18	398	54	452	93	18	7	25	416	61	477
Method Demonstrations	12	196	26	222	44	14	4	18	210	30	240
Farmers Seminar				0	0			0	0	0	0
Workshop				0	0			0	0	0	0
Group meetings	27	243	31	274	57	26	17	43	269	48	317
Lectures delivered as resource persons	87	2778	972	3750	825	184	58	242	2962	1030	3992
Advisory Services				0				0	0	0	0
Scientific visit to farmers field	94	888	105	993	213	48	23	71	936	128	1064
Farmers visit to KVK	1628	1264	267	1531	324	112	45	157	1376	312	1688
Diagnostic visits	84	190	45	235	52	39	12	51	229	57	286
Exposure visits	2	78	24	102	22	0	0	0	78	24	102
Ex-trainees Sammelan		0	0	0	0	0	0	0	0	0	0
Soil health Camp	2	88	19	107	21	5	0	5	93	19	112
Animal Health	3	46	9	55	7	3	0	3	49	9	58

Camp											
Agri mobile clinic (Plant Health)	7	12 1	3 4	15 5	31	9	0	9	130	34	164
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club					0						0
Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group					0						0
Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
MahilaMandals					0						0
Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (Constitution Day, ICAR Foundation Day, Jala Shakti Dibas, University Foundation Day, World Food Day, PoshanMaha, Constitution Day, Agriculture Education Day, National Girl Child Day, National Mushroom Day, Vigilance Awareness week, Parthenium week)	18	10 12	3 1 5	13 27	275	9	2	11	1021	317	1338
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	9	12 4	1 7	14 1	28	7	3	10	131	20	151
MahilaKisan Divas	1	0	6 8	68	15	0	2	2	0	70	70
Any Other (R-E Meeting)	9	87	2 3	11 0	24	18	7	25	105	30	135
Total	2028	95 65	2 5 7 6	12 14 1	2269	558	209	767	1012 3	2785	12908

B. Other Extension activities

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

Good quality photographs of Extension activity:

[illegible][illegible]

Production of planting materials by the KVKs

[illegible]

Production of Bio-Products

[illegible]

Production of livestock materials

[illegible]

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

Good quality photographs of livestock and fisheries:

3.5. b. Seed Hub Programme-“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2021-22						
Summer/Spring 2023						
Kharif 2023						
Rabi 2022-2023						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	Number	Circulation
Research paper	Has the Implementation of Front Line Demonstration had a significant influence under adoption rate & wide spread cultivation of Tomato	S.K Samantaray, B.P Giri, P.K Panda, S.K satapathy, P.J Mishra, H.K Sahu, M.P Nayak	Eco. Env.& Cons.29 journal,October, 2023, P-359-364	
	Assessing the knowledge of fish growers in North Eastern Ghat of Odisha	S.K Samantaray, P.K Panda, S.K satapathy, P.J Mishra, H.K Sahu, S.Ranabijuli, S.Sahoo	The pharma Innovation journal 2023, SP, 12, 113-119	
	A study on prevailing ethno-veterinary practices in north-eastern ghat regions of Ganjam and Kandhamal districts, Odisha	Garnayak N, Senapti SK, Patra RC, Ranabijuli S	The Pharma Innovation Journal (2023); SP-9(8): 104-108	
	Assessing the knowledge of fish growers in the northeastern Ghats of Odisha: A study of their understanding on fish farming practices"	Samantaray SK, Satapathy SK, Ranabijuli S, Panda PK, Mishra PJ, Sahoo HK and Sahoo S	The Pharma Innovation Journal (2023); SP-12(12): 113-119	
Seminar/conference/symposia papers				
Books				
Bulletins				
News letter	Rushikulya		2	
Popular Articles			5	
Book Chapter				
Extension Pamphlets/ literature			3	
Technical reports			18	
Electronic Publication (CD/DVD etc.)			1	
TOTAL			31	

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.	Capacity building	Refresher training programme on Pest and disease management of horticultural crops	Sri P.K Panda, Scientist(PP)	16.01.2023 to 18.01.2023	DEE, OUAT, Bhubaneswar
2.	Capacity building	Refresher training programme on Pest and disease management of horticultural crops	Sri B.P Giri, Scientist(Hort.)	16.01.2023 to 18.01.2023	DEE, OUAT, Bhubaneswar
3.	Capacity building	IFS cum exposure visit	Sri P.K Panda, Scientist(PP)	27.03.2023 to 28.03.2023	DEE, OUAT, Bhubaneswar
4.	Capacity building	IFS cum exposure visit	Dr. S,K Managarj, SMS(Agronomy)	27.03.2023 to 28.03.2023	DEE, OUAT, Bhubaneswar

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

Name of farmer	Milu Jena
Address	Village: Chadhiapalli, Aska, Ganjam
Contact details (Phone, mobile, email Id)	8320098424
Landholding (in ha.)	1.2 ha
Name and description of the farm/ enterprise	Improved Greengram Var. IPM 2-14 treated with Rhizobium @ 20 gm./ 1 Kg. of seed before one hour of sowing. Application of Water soluble fertilizer (N:P:K -19:19:19) @ 05 gm./ lt. at 25& 40 DAS and spraying of Thiamethoxam @ 150 gm/ ha. Yellow sticky trap@ 50/ha., Profenofos @ 1lt./ha. for pod borer
Economic impact	Net Income Rs.20,500/- per ha.
Social impact	Exposure visit of Near by farmers to his field
Environmental impact	Eco-friendly IPM
Horizontal/ Vertical spread	74 farmers, 32.0 ha
Good quality photographs (2-3)	

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

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

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

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

b. Give details of organic farming practiced by the farmer

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

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

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

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

Sl. No	Name of the Equipment	Qty.
1	Mrida Parikshyaka	02

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			
212		212	952	19	

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	Seminar, Farmer scientist interaction	78			78	78

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
22.02.2023	Prof. P. K. Roul, Hon'ble Vice-chancellor, OUAT	Review of KVK activities
03.02.2023	Dr. S. K. Mishra, Prof., Dept. of	As representative of Hon'ble Vice-

	Animal Nutrition, C.V.Sc&A; AH, OUAT,	chancellor, OUAT in SAC meeting
03.02.2023	Dr. H.K. Sahu, DDE, OUAT	As representative of Dean, Extension Education, OUAT in SAC meeting
07.09.2023	Dr. S.K Swain, Dean of Research , OUAT	Review of KVK activities
06.01.2024	Dr. H.K. Sahu, DDE, OUAT	Review of KVK activities

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)
Vermicomposting	19	71	10300	55300
Demonstration of ragi variety Arjuna	24	95	18095	56821
Weed management in DSR	11	92	29866	50355
Brooding management	68	77	8300	14500
Perennial fodder cultivation	62	35	9300	12500
Azolla cultivation	28	63	4400	6100
Buck exchange/ management, pregnant, doe and kid management	29	72	25300	38500
Nutritional garden	142	84	300	600
Mushroom cultivation	55	73	65400	87400
Post harvest management in fruits & vegetable	41	76	57400	79600
Drudgery reduction	34	68	76300	87600
Value addition of cereal, millets, fruits and vegetables	125	66	55400	74700
IPM in maize	28	66	20400	25500
IPM in Ragi	25	63	5300	8700
IDM in Rice	29	54	15400	18700
IPM in Rice	26	70	15300	18500
IPM in mango	27	54	20300	26600
Bio-control management in brinjal pest	29	51	30400	40500
Cultivation practices of paddy straw mushroom	28	66	55200	65700
Value addition of Ragi	29	55	23200	34600
Mushroom spawn production	18	48	82200	96700
Cultivation practices of different varieties Oyster mushroom	29	64	42200	52700

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Demonstration of HYV of ragi- Arjuna	530ha
Demonstration of weed management in rice	5300 ha
Demonstration of tembotrione in maize	900 ha
Brinjal Wilt complex management	2500ha.
Mineral mixture feeding to cattle	7000 cattle
Sesamum capsule borer management	1300 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)	

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

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

4.4. Details of innovations recorded by the KVK

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

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	

Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1. Pulse Research Station, Berhampur	- Provides the breeder and foundation seeds of the new varieties of the major crops of this district for multiplication and distribution to the farmers of this area. - Provides all possible technical guidance and helps in solving the problems related to pest and diseases of the crops of the area - Research results are being communicated to us for transfer of the same to the farming community. - Feed back collected from farmers on performance of research results are supplied to the RRS regularly for refinement.
2. State Department of Agriculture, Berhampur	- Selected trainees and extension personnel were trained in KVK on various subjects. - Facilitation of visits for adopted farmers to KVK field units. - Collaborative demonstrations were taken up. - Collaborative extension activities like field days, exhibitions and seminars were conducted. - BGREI monitoring
3. State Department of Horticulture, Bhanjanagar	- Provided seedlings of different horticultural crops to LLP, SC/ST beneficiaries. - Collaborative trainings, field days, demonstrations have been conducted. - Training of rural youth on grafting and raising vegetable nursery were conducted at their horticultural units.
4. State Department of Animal Husbandry and Veterinary Science	- Deputed specialist veterinary doctors to deliver guest lecturers. - Supply of poultry birds. - Collaborative programmes like health, infertility of dairy animals, exhibition, field days and demonstrations
5. Orissa State Seed Corporation, Berhampur	- Organising training programmes for resource rich and progressive farmers as well as extension workers for undertaking seed production programme. - Exchange of seeds for better quality crop husbandry. - Development of seed village under seed village scheme
6. State Department of Fisheries	Joint diagnostic survey, conducting training programmes and demonstrations.

	• Training to Block level officers.
7. ATMA	• Developing SREP plan • Reviewing Block Action Plan & guidance. • Training to FAC & BTT members. • Conducting strategic research. • Conducting Farmer Participatory Research.
8. NRRI, Cuttack	Hyv, stress tolerant var. of Paddy
9. CTCRI, Regional Centre, Bhubaneswar	Planting materials of tuber crops
10. CARI, Regional centre, Bhubaneswar	Supply of Banaraja poultry bird and Khaki Campbell ducklings
11. NABARD	Technical support to Farmers club .
12. CPDO	Supply of quality chicks
13. CTMRT	Supply of quality spawn, Mother spawn etc.
14. CIWA	Technical guidance for gender development
15. CHES	Hyv, stress tolerant var. of vegetable, technical guidance

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bre ed	Produce	Qty.	Cost of inputs	Gross income	
1.	Polyhouse	2013	140	ArkaRakshak	Tomato	9000	6000	22500	
2.				SwarnaShyam ali	Brinjal	22000	5000	22000	
3.				ArkaTanvi Aka Saanvi	Chilli	7700	9650	19250	
4.				Agrifound Dark Red	Onion	56000	4000	14000	
5.				Bihi	Guava	40	2100	4800	
6.				Kagzi	Lime	200	9000	10000	
				Sinta, Vinayak	Papaya	1220	12500	30500	

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice	16.07.2023	18.12.2023	5.0	Pooja	Seed	160.8	484000	578880	
Ragi	04.07.2023	27.10.2023	1.0	Arjuna	Seed	2.0	9500	13000	
Greengram (Kharif)	28.07.2023	26.10.2023	1.0	Virat	Seed	2.0	17000	24000	

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	3200 kg	44000	64000	
	Vermin	30 kg	9000	15000	

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	RIR WLH Kaveri KalingaPallishree	Chicks	2970	131885	186010	
2.	Quail	Japanese Quail	Chicks	400			

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: Damaged

No. of staffquarters: 10

Date of completion:

Occupancy details:

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
KVK	State Bank of India	Bhanjanagar	11349671187
KVK (RF)	State Bank of India	Bhanjanagar	30421978750

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

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2013
	Kharif	Rabi	Kharif	Rabi	
Pigeonpea	1.8		0.54		0

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,34,22,000	1,26,23,000	1,33,81,835
2	Travelling Allowances	1,50,000	1,50,000	1,50,000
3				
A	Rec. Cont. (OE/ POL Trg. FLD, OFT)	950000	948800	948800
B	SCSP	1500000	1500000	1500000
C				
D	HRD	30000	30000	4000
E				
F				
G				
H				
I				
J	Swachhta Expenditure	34000	34000	
TOTAL (A)		1,45,86,000	1,52,85,800	1,59,84,635
B. Non-Recurring Contingencies				
1	Capital-Furniture	150000	150000	150000
2	Library	10000	10000	10000
3				
4				
TOTAL (B)		1,60,000	1,60,000	1,60,000
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		1,47,46,000	1,54,45,800	1,61,44,635

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	1444	1244800	1231080	13720
2020-21	13720	1194978	1092679	116019
2021-22	116019	516914	375638	257295
2022-23	257295	650364	502777	404882
2023-24	404882	628422	833313	199991

7.6. (i) Number of SHGs formed by KVKs

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

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

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

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. mKisanPortal (National Farmers' Portal/ SMSPortal)

Type of message	No. of messages	No. of farmers covered
Crop	32	52281
Livestock	11	
Fishery	6	
Weather	7	
Marketing	3	
Awareness	5	
Training information	2	
Other		
Total	66	66

9.4. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	567
2.	No. of farmers registered in the portal	52281
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
18.01.2023, 26.01.2023, 14.03.2023, 05.06.2023, 18.08.2023, 28.08.2023, 16.09.2023, 02.10.2023, 12.10.2023, 26.10.2023, 30.10.2023, 15.11.2023, 14.12.2023, 26.12.2023, 29.12.2023	Swachha SEVA Diwas at office administrative building, demonstration unit, training hall, farmer's hostel, Awareness campaign, Meeting, Road show & interaction

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM	21	13600
4. Cleaning and beautification of surrounding areas	18	6400
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	09	6800
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level	07	3700
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	09	3500
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	09	
14.No of Staff members involved in the activities	14	
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
Total	87	34000

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

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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 Do or Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

Please provide good quality photographs:

9.10. Details of Swachhta Hi Suraksha/ SwachhtaPakhwadaprogramme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Cleaning & beautification of village surroundings, roads & ponds	10	465	-	-

Please provide good quality photographs:

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Seminar, talk, Interaction	04	70	-	-

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	Sri SatyajitKar	9861432504	Grafting and nursery raising of vegetable and fruit crops
2	Sri Sumanta Kumar Pradhan		Fish seed production
3	Sri ChitrasenBehera	9937323009	maintain optimum temperature in the production shed for better output in mushroom production.
4	Sri Mahendra Kumar Nayak	9777282482	IFS with Honey bee

5	Sri Madhab Chandra Apata	9861813350	Pond based farming system
6	Sri PitabasaPradhan	9928184275	Drudgery reducing Paddy Straw Cutter
7	Sri Subash Chandra Maharana	08763346321	Hand Made Paddy Seed Drill
8	Sri BirendraNaik	8458071034	Poultry & mushroom
9	Sri MaguniPradhan	8984186273	Vegetable cultivation

9.13. Revenue generation

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

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
April, 2021	IMD	Working

9.16. Contingent crop planning

Name of the state	Name of district/KV K	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Ganjam-I	Varietal substituiti - Rice	4	84	Drought tolerant variety sahabhagidhan&SwarnaShreya, Green manuring, Bond planting of pigeon pea
		NRM	06	64	Raising of farm bund ht. by 10 inch, check dam, farm pond renovation, Ridge & furrow method

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

a) Year:

b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						

Experiment 2						
Experiment 3						
...						
..						
Others (If any)						

Please provide good quality photographs:

11. Details of DAPST/ TSP

a. Achievements of physical output under TSP during 2023

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

Name of KVK							
Sl.No .	Item/Activity		Units	Targets/Achievements		No. of Beneficiaries	
				Annual Targets	Achievements	Annual Targets	Achievements
1	Trainings (Capacity building/ Skill Development etc.)		No.				
	1.1	1-3 days	No.				
	1.2	4-10 days	No.				
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	On Farm Trials (OFTs)		No.				
3	Front Line Demonstrations (FLDs) and other demonstrations		No.				
4	Awareness camps, exposure visits etc.		No.				
5	Input Distribution						
	5.1	Seeds (Field Crops)	Tonnes				
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.				
	5.5	Cutting , slips, suckers, etc	No.				
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets				
	5.7	Honey Bee Colonies	No.				
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.				
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (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.				
			(Man- months)				
8	Employment generation for livelihood						
9	Fellowship, Stipends or Scholarship		No.				
	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				
10							

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.	48	48	1200	1200
	1.2	4-10 days	No.	6	6	90	90
	1.3	2-4 weeks	No.				
	1.4	More than 4 weeks	No.				
2	On Farm Trials (OFTs)		No.				
3	Front Line Demonstrations (FLDs) and other demonstrations		No.	20	20	200	200
4	Awareness camps, exposure visits etc.		No.	8	8	50	50
5	Input Distribution						
	5.1	Seeds (Field Crops)	Tonnes	5	5		
	5.2	Seeds (High Value Crops, spices etc.)	kg				
	5.3	Seeds (Root & Tuber Crops)	tonnes				
	5.4	Nursery plants	No.	10000	10000	100	100
	5.5	Cutting , slips, suckers, etc	No.	4000	4000	50	50
	5.6	Mushroom Spawns/ Bio-Fertilizers (in Packets)	Packets	1400	1400	200	200
	5.7	Honey Bee Colonies	No.	10	10	10	10
	5.8	Animals-large (Cattle/ Buffalo/ camel/horse/donkey/Mithun/Yak etc.)	No.				
	5.9	Animals-small (pig, sheep, goat etc.)	No.				
	5.1	Poultry chicks / duckling etc	No.	500	500	20	20
	5.11	Fish Spawns/ fingerlings	No.				
	5.12	Small equipment's (uptoRs 2000)	No.	10	5	10	5
	5.13	Medium Equipment's/ machinery (uptoRs 25000)	No.				
	5.14	Large Equipment's / machinery	No.				

	(>Rs. 25000)					
5.15	Infrastructure / Civil Works/ Ponds etc	No.				
5.16	Setting up plant nursery/ seed farm/ hatchery	No.				
5.17	Land development/ Reclamation / Conservation	hectare s	0.4	0.4		
5.18	Fertilizers (NPK)/ Secondary fertilizers	tonnes	0.04	0.04	10	10
5.19	Micro nutrients	tonnes	0.003	0.003	30	30
5.2	FYM/ Vermicompost	tonnes	0.04	0.04	10	10
5.21	Soil amendments (Gypsum, lime etc.)	tonnes				
5.22	Plant protection chemicals	kg	7	7	20	20
5.23	Plant growth Promoter	kg	2	2	10	10
5.24	Animal Feed	tonnes	0.5	0.5	15	15
5.25	Animal Fodder	tonnes	0.4	0.4	10	10
5.26	Animal medicines	doses	100	100	25	25
5.27	Any other (Nutri Garden.)	Litre	100		25	
6	Services/Facilitation					
6.1	Animal Health Camps	No.	4	4	100	100
6.2	Artificial Insemination / Vaccination	No.	2	2	50	50
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.	100		20	
6.5	Promotion of agri-entrepreneurship	No.				
6.6	Promotion of IFS, IOFS, Natural Farming, Nutrigarden, kitchen garden, orchards etc	No.	40		10	
6.7	Creation of market links of farm produces	No.				
6.8	Use of Institute Facilities (Processing etc.) (in Hours)	Hours				
6.9	Subsidies/ Assistance (50% of Project cost, Max. Rs 10,000/beneficiary)	No.				
7	Distribution of Literature	No.	3000		1000	
8	Employment generation for livelihood	(Man-months)				
9	Fellowship, Stipends or Scholarship	No.				
10	Area oriented R&D Activity (project addressing the problems of agri. Sector faced by the SC/STs and benefit directly, which is measurable and identifiable	No. of projects				
11	Monitoring & Evaluation of DAPSC/ST (upto 3%)					
12	Any other (specify)					

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

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

Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted										Remarks
				SC		ST		Other		Total				
				M	F	M	F	M	F	M	F	T		
Green manuring (Dhaincha) in rice-SwarnaShreya	1	34	10	6	3			16	9	22	12	34	Moisture conservation	
Summer Ploughing in rice	1	26	06	6	2			14	4	20	6	26	Moisture conservation	
Repair of bund(raising of Farm bund ht. to 10 inch)/Rice- MTU-1224	1	33	10	4	3			18	8	22	11	33	Moisture conservation	
Mulching-Brinjal	1	8	0.3	2	1			3	2	5	3	08	Moisture conservation	
Maize in Ridge & furrow system	1	16	04	4	2			7	3	11	5	16	Moisture conservation	

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		
Short duration paddy (var. Beena dhan-11) with bond planting of Pigeonpea	06	5	3			1	4	1	4	2		Dry spell
						2		7		1		
Drought tolerant paddy (var. -SwarnaShreya)	05	3	1			8	4	1	4	1		Dry spell
								1		5		
Flood tolerant Rice var.- Swarna sub1	10	7	4			1	4	2	8	2		Water logging
						3		0		8		
Rice-Greengram (MTU-1224-&IPM 02-14)	10	8	3			1	4	2	7	3		YMV tolerant
						5		3		0		
DSR	05	3	2			1	5	1	7	2		Water saving
						2		5		2		
Crop diversification from Rice to Maize in upland in Kharif season	04	3	2			7	4	1	6	1		Contingent crop
								0		6		
Crop diversification from Maize to Sweet corn in Rabi season	03	5	2			9	4	1	6	2		Cash crop
								4		0		

Wilt tolerant Tomato var. Arkarakshyak	0.6	2	1			5	2	7	3	1	0	Stress tolerant
YMV & heat tolerant Greengram var. IPM 02-14	10	6	3			1	5	1	8	2	7	Stress tolerant
HYV Blackgram-PU-31	08	6	2			1	5	1	7	2	6	Stress tolerant

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	
Hybrid napier C0-4	24	08	2.2	3	1			3	1	4	4	8	Feed for lean period
Vaccination camp against FMD& other disease Cattle	57	32		1 2	4			3 6	5	4 8	9	5 7	Immunity
Mineral mixture	20	10											Milk production
Poultry-Kadakhnath	400	20		4	2			1 1	3	1 5	5	2 0	Resilient breed

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	
Seed bank	1	2	2	1			5	1	7	2	9	To provide quality seed
Fodder bank	1	1	1	1			2	1	3	2	5	To provide feed year round
Custom hiring centre	1	42	2	9			4	1	6	2	9	Timely Agriculture operation
			2				6	4	8	3	1	

Capacity building

Capacity Building										
Thematic area	No of Courses	No of beneficiaries								
		SC	ST		Other			Total		
		M	F	M	F	M	F	M	F	T
Cattle health management	1	3	2			11	9	14	11	25
ICM in Greengram	1	4	2			13	6	17	8	25
IPM in Rice	1	3	1			17	4	20	5	25
Nursery raising, grafting techniques in fruits	1	4	1			11	9	15	10	25
Value addition of millets	1		8				17		25	25

Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST		Other			Total		
		M	F	M	F	M	F	M	F	T
Agro advisory Services	32	24	9			68	32	92	41	133
Awareness	01	16	7			30	7	46	14	60
Diagnostic visit	14	21	12			42	12	63	24	87
Exposure visits	02	12				28		40		40
Field Day	02	22	13			52	13	74	26	100
Group Discussion	9	18	7			62	12	80	21	101
Method demonstrations	04	18	12			48	16	66	28	94
KMAS Services	48	28	16			70	40	98	56	154

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	OUAT farmers fair	Sri Asit Chand Sahu	2023	OUAT	-	Improved vegetable cultivation

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
1	Rice, vegetable, Mushroom, Honey bee, Pisciculture, Goatery, Poultry	0.4	38q,260kg (Mushroom) 206kg (live stock),	74000	158400	52	18

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	Stress tolerant var. of Rice, Greengram, Crop diversification, Feed management Dairy	- Rice – SwarnaShreya - Green manuring - Sweetcorn - Ridge & furrow - Greengram-IPM 02-14. - mineral mixture to Dairy	104000	76	
2	Stress tolerant var. of Rice, Greengram, Poly mulching, Crop diversification, Feed management Dairy	- Stress tolerant var. of Rice – swarna Sub-1 - Greengram-IPM 02-14. - Sweetcorn, Poly mulching in Brinjal, mineral mixture & fodder to Dairy	172000	94	

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

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

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

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

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

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

(Please provide good quality photographs)

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

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

22. Information on NARI Project(if applicable)

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

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

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

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

Sd/-

Senior Scientist & Head
KVK, Ganjam-I
