PROFORMA FOR ANNUAL REPORT 2022 (January-December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra At/Po- Badmal Jharsuguda, Pin-768202	Office	FAX	kvkjharsuguda.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar, Odisha.	0674-2397818/919 0674-2397424	0674-2397818/919	registrarouat@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. JyotirmayeeUdgata		9437403755	udgatajyoti@yahoo.com

1.4. Year of sanction of KVK:2006

1.5. Staff Position (**as on 1st January, 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Samir Ranjan Dash	Sr. Scientist & Head	Extension Education	89800	01.08.2022	Temporary	Other
2	Subject Matter Specialist	Sri Monoj Kumar. Barik	Scientist	Extension Education	92500	07.12.2006	Temporary	Other
3	Subject Matter Specialist	Dr. Anuj Kumar Rai	Scientist	Plant Science	20590 with AGP 6000	07.06.21	Temporary	Other
4	Subject Matter Specialist	Ms. Susmita Panda	Scientist	Agronomy	61300	01.08.22	Temporary	Other
5	Subject Matter Specialist	Vacant	-	-	-	-	-	-
6	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8	Programme Assistant	Vacant	-	-	-	-	-	-
9	Computer Programmer	Sri Bishnu Ranjan Padhi	Computer Programmer	B.E (Computer Sc.)	62200	11.08.2014	Temporary	Other
10	Farm Manager	Vacant	-	-	-	-	-	-
11	Accountant / Superintendent	Vacant	-	-	-	-	-	-
12	Stenographer	Sri Pradip Ku. Nayak	Junior Steno cum Computer Operator	BA	41000	23.12.2013	Temporary	Others
13.	Driver	Sri SamantaMallick	Driver	-	24500	28.07.2015	Temporary	SC
14.	Driver	Manoj Kumar Sahoo	Driver	-	29300	20.09.2017	Temporary	Others
15.	Supporting staff	Kamala Nag	Peon -cum - Watchman	-	23600	29.07.2008	Temporary	SC
16.	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.3
2.	Under Demonstration Units	0.4
3.	Under Crops	1.34
4.	Orchard/Agro-forestry	2.0
5.	Others with details (Lawn Area , Road	0.7
6.	Land under encroachment	1.0
	Total	**5.74**

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	1500	Under Use	ICAR
2.	Farmers Hostel	-	-	-	-	Completed	1500	Under use	ICAR
3.	Staff Quarters (6)	-	-	-	-	Completed	1400	Under use	ICAR
4.	Piggery unit	-	-	-	-				
5	Fencing	-	-	-	-	Completed	--	Under Use	ICAR & RKVY
6	Rain Water harvesting structure	-	-	-	-	Completed	1800	Under Use	ICAR & RKVY
7	Threshing floor	-	-	-	-	Completed	600	Under Use	ICAR
8	Farm godown	-	-	-	-				
9.	Dairy unit	-	-	-	-				
10.	Poultry unit	-	-	-	-	Completed	20	Under Use	RKVY
11.	Goatary unit	-	-	-	-				

12.	Mushroom Lab	-	-	-	-	Completed	15	Under Use	RKVY
13.	Mushroom production unit	-	-	-	-				
14.	Shade house	-	-	-	-				
15.	Soil test Lab	-	-	-	-	Completed	20	Under use	ICAR
16	Others,Please Specify	-	-	-	-				
17	Vermicompost Unit	-	-	-	-	Completed	15	Under Use	RKVY
18	Poly House	-	-	-	-	Completed	80	Under Use	RKVY
19	Overhead Tank with irrigation system					Completed	2000 Ltr,	Under Use	ICAR

* If not in use then since when and reason for non-use
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B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2017	8,00,000	84494	Good
Motor Cycle	2012	50000	34640	Good
Tractor	2006	--	1090 hrs	Condemned

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil Testing Lab. Equipment	2017	1700000	Good	ICAR
Mushroom Spawn production equipment	2011	250000	Good	RKVY
b. Farm machinery				
Tractor	2006	700000	Condemned	ICAR
c.AV Aids				
LCD	2012	50000	Good	ICAR
Television	2013	40000	Not working	ICAR
Sound System	2011	50000	Good	ICAR
Conference table Audio System	2017	64000	Good	ICAR
Smart Television	2021	34000	Good	ICAR
All-in-One	2020	40000	Good	ICAR
Dell Laptop	2021	40000	Good	ICAR
Printer	2022	20000	Good	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Cultivator	2006	30000	Not Good	ICAR
Brush Cutter	2017	42000	Good	ICAR
Manual Paddy Thresher	2012	4500	Good	ICAR
Manual Paddy Winnower	2012	5000	Good	ICAR
Ridger	2021	20000	Good	ICAR

1.8. Details of SAC meeting* conducted in the year

Sl. No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	14.12.2022	26	1. Stem borer management in medium land rice	Assessment of stem borer management in rice conducted in Kharif 2022 Rynaxypyr 18.5 SC @ 150 ml/ha at 20, 45 and 65 at DAT in medium land rice. Result- Dead heart (%)- 7.5%, Yield 42.8q/ha Two Training programmes conducted on stem borer management (60 farmers)	--
			2. BPH management in medium land rice	FLD on BPH tolerant rice variety –Hasanta conducted in Kharif 2022 Rice variety Hasanta (OR-2328-5) recorded yield of 43.8 q/ha Five numbers of Awareness programmes and 10 nos. of joint diagnostic field visit with line department officials conducted in villages – Lakhanpur , Bhikampalli , Gudigaon , Belmunda, Ganjermal, Laida, Sodamal,Guchhapali, Amnapalli. 01 no of Field day conducted involving 50 farmers in village Gudigaon Agro Advisory on BPH management was given in social media and print media to aware the farmers.	
			3. Performance of YMV tolerant green gram varieties may be assesed	Assessment of YMV tolerant varieties of greengram conducted in summer 2021-22 IPM 205-07 (Virat) and IPM-02-14 were assessed in Jharsuguda and Kolabira blocks . PDI (%) was 6.4 and 2.8 respectively Result – Avg. yield was 7.8q/ha (Virat) and 6.6q/ha (IPM 02-14) Two numbers of training programmes were conducted for farm and Farmwomen (50 Nos.)	

			4. KVK should validate the suitable sweet corn varieties for higher income under crop diversification	Assessment of sweet corn varieties, VL Sweet corn 1 and NSCH-12 (Misthi) was conducted in Rabi 2021-22 at Rengalbeda , Ghantamal and Tharkaspur villages Result – VL Sweet corn 1 recorded yield of 120.5q/ha with B:C ratio of 3.14 02 nos of capacity building programmes were conducted on Weed management in sweet corn FAW and Nutrient management in sweet corn	
			5. Popularisation of HYV finger millet should be undertaken for the district and conduction of capacity building programmes for farmers	HYV Finger millet variety Arjun (OEB526) conducted in Jharsuguda and Kolabira blocks. Result- Yield of 12.25 q/ha with an incremental yield of (60 %) Conducted 02 nos. of training programmes on package and practices of finger millet (Participant -80) Conducted field day in village Dalki of Jharsuguda block Participation of KVK on Millet Day organized by OMM on dt. 10.11.2022	
			6. Popularisation of Mushroom cultivation for rural youth and WSHGs should be conducted for enhancing farm income	Demonstration on paddy straw mushroom cultivation in Kharif 2022 under SCSP programme Result – Farmers got net income of Rs.1720/10 bed Conducted Training programme on mushroom cultivation for rural youth (10 WSHG) nominated by Odisha Livilihood mission , Jharsuguda (30 Farm Women) Conducted training on mushroom spawn production technique to rural youth(WSHG) nominated by Odisha Livilihood Mission , Jharsuguda (10 Farm women) Paddy straw mushroom spawns (850 No.) and Oyster mushroom spawn (700 No.) provided to the trainees in 2022-23 Published booklet on Mushroom production in Odia language.	

			7. Horticulture and Animal based IFS may be developed by KVK	Four no. of IFS models are developed in villages- Chandinimal, Pudapalli, Saletikra ,Gudigaon 1. Farmer- Sri Rohit Pradhan Village Chandinimal (Poultry + Duckery+ Goatery+ Fish+ Vegetables) ,Area- 1.0 ha , Gross income of Rs.3.2 Lakhs/year 2. Farmer- Sri Mitrabhanu Patel Village- Gudigaon (Dairy + Goatery + Fish+ Vegetables + Fruit) ,Area- 1.0 ha , Gross income –Rs.2.8 Lakhs/year 3. Farm Woman – Smt. Sarojini Bhainsa Village Saletikra (Vegetables + Mango+ Duckery + Poultry + Fish),Area -0.8 ha , Gross income –Rs.2.6 Lakhs/year 4. Farmer- Sri Lambodar Sahu Village Pudapalli - (Paddy+Vegetables+ Mushroom+ Sugarcane), Gross income –Rs.2.4 Lakhs/year	
			8. Popularisation of colour synthetic poultry bird and duckery in backyard	FLD on colour synthetic bird Kadaknath in backyard in Rabi 2022-23 in villages Chandinimal, Durlaga, Bhursimal and Sialrama under SCSP programme (Continuing) Assessment of comparative performance of colour synthetic bird in backyard in Rabi 2022-23 (Continuing) in villages Sialrama, Kureibaga ,Chandinimal and Brajarajnagar FP- Desi bird, TO-I- Poultry breed Kaveri and TO-II-Poultry breed Vanaraja.	
			9. Popularisation of scientific pisciculture and fingerling production and Biofloc fish farming	Demonstration of stunted fingerlings in seasonal pond Conducted in Rabi 2021-22 and Kharif 2022Stocking of stunted fingerling @5000 no./ha(Catla + Rohu + Pangasius + Mrigal = 3:2:2:3) with pond managementResult – 31.0q/ha (Pangasius -13.5 q, IMC- 17.5 q) Biofloc unit is developed by Sri Mitrabhanu Patel of Gudigaon	
			10. Capacity building and awareness programmes should be organised to popularise of organic	Promotion of vermicompost production using poly vermi bed (20 Nos.) Training programme on organic input production and its use in crop production conducted for rural youth at KVK	

			farming and production of organic inputs	Kisan Mela on Natural Farming was conducted at KVK on dtd.26.04.2022 (120 Nos. farmers) Publication of booklet on Organic Farming in odia (500 Nos.)	
			11. Training to the farmers on land & water management practices in RAD area may be conducted	Awareness on soil and water management in crop production under Jal Shakti Abhiyan programme conducted at village Durlaga and Sialrama (110 Nos. farmers)	
			12. Emphasis should be given for quality planting material production and distribution to the farmers	One lakh thirty thousand seedlings and saplings of HYV vegetables, papaya (Red Lady, Ranchi Dwarf) , drumstick (ODC 3), tomato(Arka Samrat), marigold (BM-2) were raised and distributed to the farmers through Odisha Livilihood Mission and other programmes of KVKs Saplings were distributed to the farmers during various flagship programmes like Vanomahostav, Poshan Abhijan etc.	
			13. Demonstration and training programmes should be organised on post harvest management aspects to minimize storage loss in oilseed and pulses	25 nos of Demonstration on Pro -super bag for storing greengram seeds was conducted in Summer 2021-22 (Village- Jamera and Sialrama) 02 nos of Training programme conducted on post harvest management of pulses (60 Nos. of farmers)	
			14. KVK should organise skill based capacity building programme on scientific bee keeping for higher income	02 nos Skill development training programme(5 days duration) on scientific bee keeping sponsored by national bee board was conducted for rural youths. Demonstration unit developed at KVK Campus .	
			15. KVK should assess the technology for collar rot management in Groundnut	Assessment of collar rot management of groundnut to be conducted in Rabi 2022-23 Training on disease management in groundnut will be conducted	

Members present in18th Scientific Advisory Committee Meeting held on dt.14.12.2022

1	Dr. Hemanta Kumar Sahoo, DDE, DEE, OUAT, Bhubaneswar	Chairman
2	Dr. S.K Mandal, Principal Scientist, ICAR-ATARI, Kolkata	Member
3	Dr. Pramod Kumar Panda, Principal Scientist, IIWM, Bhubaneswar	Member
4	Dr. G.C Mohapatra, Technical Head, DMF, Jharsuguda	Member
5	Dr. Ipsita Kar, Jr. Agronomist, RRTTS, Chiplima	Member
6	Sri Balbir Singh Sawaiyan, ADO, Kolabira	Member
7	Dr. Nakula Chandra Nayak,ADVO, Jharsuguda	Member
8	Sri D.S Bariha, DPD, ATMA, Jharsuguda	Member
9	Sri Surendra Delki, AHO, Jharsuguda	Member
10	Sri Biswajit Kar, I/P OLM, Zilla Parishad, Jharsuguda	Member
11	Sri Vivek Soren, AFO, Jharsuguda	Member
12	Sri Sushil Kumar Dash, Secretary SEWA, Kolabira	Member
13	Ms. Subhashree Sahoo, Livilihood Expert, SEWA, Kolabira	--
14	Sri Rashmi Ranjan Mohanty, ASCO, Jharsuguda	Member
15	Sri Sanat Kumar Nayak,ADSC, O/o P.D Watershed, Jharsuguda	Member
16	Sri Dibya Soreng, Project Co-ordinator, SEWAK, Jharsuguda	Member
17	Dr. Manasi Bhol, Sr. Scientist & Head, KVK, Sundergarh-II	--
18	Dr. Laxmipriya Pradhan , Sr. Scientist & Head, KVK, Sundergarh-I	--
19	Sri Duryadhan Sahu, Progressive Farmer, Kureimal, Jharsuguda	Member
20	Sri Susanta Kumar Naik, Progressive Farmer,Ghantamal, Jharsuguda	Member
21	Smt. Nalini Patel, Progressive Farm woman , Keldamal, Jharsuguda	Member
22	Smt. Gitanjali Naik , Progressive Farm woman, Sialrama, Jharsuguda	Member
23	Dr. Anuj Kumar Rai, Scientist, KVK Jharsuguda	--
24	Ms. Susmita Panda, Scientist (Agronomy)	--
25	Sri Monoj Kumar Barik, Scientist (Ag. Extn.), KVK, Jharsuguda	--
26	Dr. Samir Ranjan Dash, Sr. Scientist & Head, KVK, Jharsuguda	Member -Secretary

2.a. District level data on agriculture, livestock and farming situation (2022)

Sl. no.	Item	Information
1	Major Farming system/enterprise	Rainfed
2	Agro-climatic Zone	Western Central Table Land Zone and North Western Plateau Zone
3	Agro ecological situation	Undulating sub mountainous tract rainfed,Plateau Rainfed Lateritic low rainfall.
4	Soil type	The soil is mostly lateritic. Red and Yellow soils are found in small patches of Kolabira block only. Soil reaction is generally acidic in Jharsuguda, Lakhanpur and Kirimira and almost neutral in Laikera and Kolabira block.
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Paddy-2255kg/ha, Maize-2670kg/ha, Greengram- 442 kg/ha, Blackgram-417 kg/ha, Kulthi-455kg/ha, Groundnut-1291kg/ha, Sesamum-402 kg/ha,Mustard-405kg/ha, Potato-13600kg/ha, Onion-10000kg/ha, Chilli-976 kg/ha, Turmeric-6200 kg/ha, Ginger-5250kg/ha.
6	Mean yearly temperature, rainfall, humidity of the district	42˚ C & 12˚ C, 1362.8mm, 55%
7	Production of major livestock products like milk, egg, meat etc.	Milk- 14.41 000'MT, Meat- 1256.55MT, Egg- 9.76 Million, 5421 MT

Note: Please give recent data only

2.b. Details of operational area / villages (2022)

Sl. No.	Name of District	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Jharsuguda	Jharsuguda	Jamera, Tharkaspur, Durlaga,	Paddy, Greengram, Brinjal, Tomato, Mustard	Paddy-Local variety, Stem borer, BPH, Blast, BLB and Weed problem Greengram-Local variety, YMV incidence, Brinjal- Local variety, disease and pest incidence Tomato- Local variety, disease and pest incidence Mustard- Local variety, disease and pest incidence	➢ Varietal replacement ➢ Disease and pest management ➢ Weed management ➢ Integrated nutrient management.
2	Jharsuguda	Kolabira	Gudigaon , Siriapalli, Ghantamal,Guchhapali	Paddy, Sesamum, Mustard, Greengram, Potato, Onion, Cauliflower, Cabbage, Tomato	Paddy Paddy-Local variety, Stem borer, BPH, Blast, BLB and Weed problem Sesamum-Local variety, disease and pest incidence. Tomato- Local variety, disease and pest incidence Potato- Blight problem and local variety. Onion- Low yield due to local variety. Cauliflower- Local variety, disease and pest Mustard- Local variety, disease and pest incidence	➢ Varietal replacement ➢ Disease and pest management ➢ Weed management ➢ Integrated nutrient management.

3	Jharsuguda	Kirmira	Bhaunra, Sulehi	Paddy, Greengram, Brinjal, Tomato, Potato,Chilli,	Paddy-Local variety, Stem borer, BPH, Blast, BLB and Weed problem Greengram- Local variety, YMV incidence Brinjal- Local variety, disease and pest incidence Tomato- Local variety, disease and pest incidence Potato- Blight problem and local variety. Chilli- Local variety, disease and pest incidence	➢ Varietal replacement ➢ Disease and pest management ➢ Weed management ➢ Integrated nutrient management.
4	Jharsuguda	Laikera	Rengalbeda, Routbahal	Paddy,Greengram, Mustard,Sesamum, Brinjal, Tomato, Cabbage, Cauliflower, Chilli	Paddy-Local variety, Stem borer, BPH, Blast, BLB and Weed problem Sesamum-Local variety, disease and pest incidence. Tomato- Local variety, wilting, blossom end rot Brinjal- Local variety, wilting , Fruit and shoot borer Cauliflower- Local variety, disease and pest incidence. Cabbage- Local variety, disease and pest incidence. Chilli- Local variety, leaf curl and thrips , wilting	➢ Varietal replacement ➢ Disease and pest management ➢ Weed management ➢ Integrated nutrient management.

5.	Jharsuguda	Lakhanapur	Kureimal, Baddhara, Atabira ,Bhikampalli	Paddy, Greengram, Groundnut, Potato, Tomato, Ginger, Pointed gourd.	Paddy-Local variety, Stem borer, BPH, Blast, BLB and Weed problem Greengram- Local variety, YMV incidence Brinjal- Local variety, wilting , Fruit and shoot borer Tomato- Local variety, wilting, blossom end rot Groundnut- Local variety, Tikka disease Potato- Blight problem and local variety. Ginger- Rhizome rot, local variety Pointed Gourd- Root rot, local variety	➢ Varietal replacement ➢ Disease and pest management ➢ Weed management ➢ Integrated nutrient management.

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head, Scientist and SMS (2022-23) for its development and action plan

Name of village	Block	Activities taken up for development
Tharkaspur	Jharsuguda	Execution of action plan 2022
Gudigaon	Kolabira	Execution of action plan 2022
Kureimal	Lakhanapur	Execution of action plan 2022
Jamera	Jharsuguda	Execution of action plan 2022
Siriapalli	Kolabira	Execution of action plan 2022

2.1 Priority thrust areas

S. No	Thrust area
1.	• Crop diversification and varietal replacement
2.	• Integrated Nutrient Management
3.	• Production of quality planting materials
4.	• IPM, IDM & IWM in rice

5.	• Women empowerment through Income Generating Activities
6.	• Promotion of Nutritional garden
7.	• Breed up-gradation of livestock and poultry
8.	• Livestock disease management
9.	• Production of organic inputs and promotion of organic farming
10.	• Nursery raising of vegetable seedlings and its management
11.	• Cultivation of High value & commercial horticultural crops
12.	• Post-harvest technology and value addition of fruits and vegetables
13.	• Market led production strategies
14.	• Promotion of Integrated farming system
15.	• Formation and strengthening of FPOs

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
6	6	65	8	6	7	3	32	9	47	18	65	20	20	300	89	71	11	23	62	25	163	118	281

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
75	66	2000	97	255	117	270	348	488	562	1023	1585	175	169	4000	212	127	310	201	1702	1153	2224	1481	3705

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
2000	1585	14	8	18	4	25	17	57	29	86	4000	3705	14	7	11	9	23	16	48	32	8

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
1.5	1.4	0.5	0.1706

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.10	0.960	0.0003	0.0003

* 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	2						
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter	2	1000					
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature	4	2000					
Technical reports	5						
Electronic Publication (CD/DVD etc)							
TOTAL	13						

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assessment of stem borer management in Rice
2.	Problem diagnosed	Low yield due to high incidence of stem borer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice**- Application of propenophus @ 400ml per ha **TO_1**-Rynaxypyr 18.5 SC @ 150 ml/ha or combination insecticide Spinetoram 6% + Methoxyfenozide 30% SC @ 375 ml/ ha at 20, 45 and 65 **TO_2** -Acephate 50% + Imidacloprid 1.8% SP (Lancer Gold) @ 1000 g/ha at 25 and 45 DAT effective for the control of stem borer
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**TO_1** -AICRIP, Chiplima , 2018, SLREC Proc. 2 **TO_2** -OUAT SLREC Proc. 2015
5.	Production system and thematic area	Rice based , Plant Protection
6.	Performance of the Technology with performance indicators	TO_2 -Yield -42.8q/ha with B.C ratio- 1.9
7.	Final recommendation for micro level situation	Acephate 50% + Imidacloprid 1.8% SP (Lancer Gold) @ 1000 g/ha at 25 and 45 DAT effective for the control of stem borer
8.	Constraints identified and feedback for research	--
9.	Process of farmers participation and their reaction	Accepted by the farmers

Thematic area: Plant Protection

Problem definition: Low yield due to high incidence of stem borer

Technology assessed: Assessment of stem borer management in Rice

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
		Plant height (cm)	Tillers/hill (No.)	Dead heart (%)						
FP	7	91.2	12	14.2	12.4	38.9	35658	64185	31130	1.8
TO_1	7	92.0	13	8.14	7.2	41.5	36039	68475	33550	1.9
TO_2	7	92.6	15	7.5	6.8	42.8	37168	70620	35760	1.9

Results: Acephate 50% + Imidacloprid 1.8% SP (Lancer Gold) @ 1000 g/ha at 25 and 45 DAT effective for the control of stem borer

OFT-2

1.	Title of On farm Trial	Assessment of MYMV tolerant varieties of greengram
2.	Problem diagnosed	Low yield due to existing variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice-** Local variety –Chaiti Moong **TO_1-** IPM 205-07 (Virat)-Early maturing, high yielding, resistant to yellow mosaic disease, Yield -12-14q/ha **TO_2-** IPM-02-14 MYMV and leaf crinkle tolerant, Yield -10-12q/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**TO_1-** IIPR, Kanpur-2016, **TO_2-** IIPR, Kanpur-2011
5.	Production system and thematic area	Rice based , Varietal Evaluation
6.	Performance of the Technology with performance indicators	TO_2- Yield 8.1 q/ha with B.C ratio of 1.85
7.	Final recommendation for micro level situation	TO_2- IPM-02-14 is tolerant to MYMV
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Accepted by the farmers

Thematic area: Varietal Evaluation

Problem definition: Low yield due to existing variety

Technology assessed: Assessment of MYMV tolerant varieties of greengram

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
		Pods/Plant (no)	Pod length (cm)	Test wt. (100 grain wt.) (gm.)						
FP	7	21	5.1	25.2	17.5	6.1	31700	47306	15606	1.49
TO_1	7	18	6.9	28.9	7.2	7.3	32900	56612	23712	1.70
TO_2	7	22	7.8	31.4	4.7	8.1	33950	62815	28865	1.85

Results: IPM-02-14 is tolerant to MYMV with good yield

OFT-3

1.	Title of On farm Trial	Assessment of sweet corn varieties
2.	Problem diagnosed	Low yield due to existing variety
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice-** Cultivation of sweet corn variety N.S 680 **TO_1-** NSCH-12 (Misthi): Average Green cob Yield-13 t/ha. Tolerant to lodging , It matures in 75-85 days **TO_2-** VL Sweet corn-1 (FSCH-18) Average Green cob Yield-10-11 t/ha. TSS- 16% , It matures in 72-75 days
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**TO_1-** DMR-2013-14, **TO_2-**ICAR-VPKAS, Almora, 2016 (IIMR 2015-16)
5.	Production system and thematic area	Rice based, Varietal Evaluation
6.	Performance of the Technology with performance indicators	VL Sweet corn-1 (FSCH-18) yields 118.1q/ha with B.C ratio of 2.5
7.	Final recommendation for micro level situation	VL Sweet corn-1 (FSCH-18) gives more yield
8.	Constraints identified and feedback for research	--
9.	Process of farmers participation and their reaction	Accepted by the farmers

Thematic area: Varietal Evaluation

Problem definition: Low yield due to existing variety

Technology assessed: Assessment of sweet corn varieties

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
		Plant height (cm)	Cob length (cm)	Cob weight (g)						
FP	7	173.5	20.4	204.1	--	85.9	96000	171852	75852	1.8
TO_1	7	175.6	21.8	212.2	--	114.7	96000	229462	133462	2.4
TO_2	7	174.1	23.1	214.3	--	118.1	96000	236252	140252	2.5

Results: VL Sweet corn-1 (FSCH-18) yields 118.1q/ha with B.C ratio of 2.5

OFT-4

1.	Title of On farm Trial	Assessment of collar rot management of groundnut
2.	Problem diagnosed	Low yield due to collar rot
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice-** Application of Mancozeb @ 2gm/lit. **TO_1-** Seed treatment with carboxin 37.5% + Thiram 37.5 % (Vitavax power) @ 2.5 gm/ kg seeds during sowing and need base alternative spraying of chlorothalonil 75% wp (Kavach) @ 1.5 gm/lt. and carbendazim 2 gm/lt at 15 days interval. **TO_2-**Seed treatment with Tebuconazole @ 1.5 g/kg followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**TO_1-**TNAU- 2015, **TO_2-**OUAT-2016
5.	Production system and thematic area	Rice based, Pest Management
6.	Performance of the Technology with performance indicators	Yield 19.2q/ha with low disease incidence (10%)
7.	Final recommendation for micro level situation	Seed treatment with Tebuconazole @ 1.5 g/kg followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval may be recommended to control the colar rot in groundnut
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Accepted by the farmers

Thematic area: Pest Management
Problem definition: Low yield due to collar rot
Technology assessed: Assessment of collar rot management of groundnut

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
		Disease incidence (%)	Pods/plant (No.)	--						
FP	7	28	18.2		--	16.8	41000	92280	42280	2.0
TO_1	7	16	21.5		--	17.5	46530	102375	55840	2.2
TO_2	7	10	24.7		--	19.2	46800	112320	65520	2.4

Results: TO_2 intervention is effective to control colar rot in groundnut

OFT-5

1.	Title of On farm Trial	Assessment of comparative performance of colour synthetic bird in backyard
2.	Problem diagnosed	Low production potential(egg and Meat) diagnosed of desi birds along with low income due to predation in backyard
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice-** Rearing of desi birds **TO_1-** Rearing of poultry breed Kaveri (Adult body wt.-2.2kg in 5 month, , Livability-87%) **TO_2-** Rearing of poultry breed Vanaraja (Adult body wt.-2.2 kg, , Livability-70%)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	**TO_1-**CPDO 2014, PDP, Hyderabad
5.	Production system and thematic area	Semi Intensive –Backyard, Livestock Management
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	Feeding of grain, broken rice (added with multi-enzyme mineral mixture @ 0.05%) and free range feeding improved nutrient utilization
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Accepted by the farmers

Thematic area:

Problem definition: Low production potential(egg and Meat) diagnosed of desi birds along with low income due to predation in backyard
Technology assessed: Assessment of comparative performance of colour synthetic bird in backyard
Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Body weight/bird/6 month (Kg.)	Cost (Rs./ 10 Bird)	Gross return (Rs/ 10 Bird)	Net return (Rs./ 10 Bird)	BC ratio
		FCR	Disease incidence (%)	--						
FP	7	3.1	17			1.8	1000	4500	3600	4.50
TO_1	7	2.15	7			2.9	1300	7250	5950	5.57
TO_2	7	2.3	4			2.7	1300	6750	5450	5.20

OFT-6

Title	Technology
➢ Assessment of the performance of FPOs with varied levels of task and commodity to enhance income	Farmers Practice -Farmers marketing their produce through intermediaries TO_1 -FPO dealing with a single commodity with a single task i.e., Millet-Marketing TO_2 -FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable - sorting, grading, packing, value addition, branding, leveling and marketing

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

Aspects (N=30)	TO_1(N=35)		TO_2 (N=35)		Stat analysis Z calculated 2.86 Z tab 1.96 As Z cal > Z tab there is a significance difference between two sample means
	Mean Score	Gap %	Mean Score	Gap %	
Social Aspects	2.12	29.8	2.06	30.8	
Technical aspects	1.95	35.6	1.77	38.2	
Marketing aspects	2.14	28.8	1.86	35.9	
Organisational aspects	1.93	39.8	1.78	31.3	

TO_1 - In TO_1 maximum gap were observed in organizational aspects where as in TO_2 technical gap were maximum. In both the groups responded were satisfied about the marketing aspects of the FPOs . As TO_2 is performed diversified activities emphasis should be more on strengthening of Technical aspects where as TO_1 should focus on providing organizational and guidance for higher profitability

Name of the FPO	**CBBO**	**Membership**	**Activities**	**Turn over (Rs.)**
Sankalpa Producer Company Ltd, (2013)	AJKA	975	Input supply outlet , Vegetable Aggregation & marketing of organic paddy cultivation & marketing of aromatic paddy cultivation	32,99,061 (2018-19)
Trimukhi Farmers Producer Company Limited (2018)	SEWA	1000	Millet production, procurement and marketing	500000 (2018-19)

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Rice	Varietal Evaluation	Cultivation of rice variety Swarna Shreya,	6.0	6.0	12	3	-	-	-	-	12	3	15	
2.	Rice	Varietal Evaluation	Demonstration of BPH tolerant rice variety Hasanta	0.4	0.4	1	0	0	1	2	0	3	1	4	
3	Rice	Weed Management	Application of Pendimethalin @ 750 g ai / ha as pre-emergence application i.e 0-3 DAT followed by Bispyribac sodium @ 25 g ai /ha as post-emergence i.e 25 DAT in medium land rice	8.0	8.0	10	0	-	-	-	-	10	0	10	
4	Rice	Weed Management	Application of Penuxulam @ 93.75ml/ha as post emergence application at 12 DAT in upland rice	4.0	4.0	-	-	-		10	0	10	0	10	
5	Maize	Varietal Evaluation	Demonstration of hybrid maize variety Kalingaraj	3.0	3.0	10	2	0	0	0	0	10	2	12	
6	Finger Millet	Varietal Evaluation	Demonstration of HYV of Finger millet variety-Arjun	2.0	2.0	2	4	1	2	0	2	3	8	11	
7	Marigold	Varietal Evaluation	Demonstration of Marigold variety –Bidhan Marigold 2	0.4	0.4	1	0	0	4	4	2	5	6	11	
7	Marigold	Varietal Evaluation	Demonstration of Marigold variety –Bidhan Marigold 3	0.4	0.4	3	9	0	0	0	0	3	9	12	
8	Tomato	Varietal Evaluation	Demonstration of triple resistant Tomato variety- Arka Samrat	1.0	1.0	1	0	1	0	11	1	13	1	14	
9	Papaya	Varietal	Demonstration of HYV papaya variety- Red Lady	1.0	1.0	7	7	0	0	0	0	7	7	14	
10	Tomato	Crop	Demonstration of poly mulching	0.2	0.2	2	4	2	1	1	0	6	4	10	

		Management	in Tomato												
11	Vegetables	Nutritional security	Demonstration of Nutritional Garden for ensuring Nutritional Security of farm families	0.4	0.4	4	7	3	4	2	5	9	16	25	
11	Groundnut	Varietal Evaluation	Demonstration of HYV of groundnut variety-Dharani	5.0	5.0	14	0	0	0	0	0	14	0	14	
12	Mushroom cultivation	IGA	Demonstration on effectiveness of short technology videos on technology adoption	--	--	1	3	2	2	11	6	14	11	25	
13	Poultry production	IGA	Demonstration of stress tolerant poultry breed Kadaknath	400 Nos.	400 Nos.	1	1	0	0	9	2	10	3	13	
14	Duckery	IGA	Demonstration of Duck breed white Pekin in backyard	150 Nos	150 Nos	8	0	0	0	0	0	8	0	8	
15	Common carps	IGA	Stocking of stunted fingerling @5000 no./ha (Catla + Rohu + Pangasius + Mrigal = 3:2:2:3) with feed management	8000 Nos	8000 Nos	0	0	1	0	3	2	4	2	6	
16	Mushroom cultivation	IGA	Demonstration of paddy straw mushroom cultivation	850 Nos.	850 Nos.	2	12	0	0	0	0	2	12	14	
17	Mushroom cultivation	IGA	Demonstration of Oyster mushroom cultivation	800 Nos.	800 Nos	0	6	0	9	2	3	2	18	20	
18	Vermicom posting	Organic Input production	Vermicomposting	20 No.	20 No.	9	11	-	-	-	-	9	11	20	
19	Bee Keeping	IGA	Bee Keeping	3 No.	3 No.	1	2	-	-	-	-	1	2	3	
20	Greengram	PHM	Demonstration of pro bag for storage of greengram	40 Nos.	40 Nos.	0	0	1	0	7	2	8	2	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_2O_5	K_2O					
Rice	Kharif 2022	RF	Red-lateritic	-	-	-	Fallow	28.06.22	12.11.22	1171.26	57 days
Rice	Kharif 2022	RF	Red-lateritic	-	-	-	Vegetable	14.07.22	24.11.22	1171.26	57 days
Rice	Kharif 2022	RF	Red-lateritic	-	-	-	Fallow	02.07.22	22.11.22	1171.26	57 days
Rice	Kharif 2022	RF	Red-lateritic	-	-	-	Fallow	05.07.22	27.11.22	1171.26	57 days
Maize	Kharif 2022	RF	Red-lateritic	-	-	-	Maize	16.07.22	19.10.22	1171.26	57 days
Finger Millet	Kharif 2022	RF	Red-lateritic	-	-	-	Vegetable	13.07.22	17.11.23	1171.26	57 days
Marigold-BM2	Kharif 2022	Irrigated	Red-lateritic	-	-	-	Vegetable	5.08.22	18.11.22	1171.26	57 days
Marigold- BM 3	Rabi 2022-23	Irrigated	Red-lateritic	-	-	-	vegetable	16.10.22	4.01.23		57 days
Tomato	Rabi 2022-23	Irrigated	Red-lateritic	-	-	-	Vegetable	01.11.22	18.02.23	72.01	57 days
Papaya	Kharif 2022	RF	Red-lateritic	-	-	-	Vegetable	06.09.22	--		57 days
Tomato	Rabi 2022-23	Irrigated	Red-lateritic	-	-	-	Vegetable	05.11.22	27.02.22	72.01	9days
Vegetables	Rabi 2022-23	Irrigated	Red-lateritic	-	-	-	Rice	02.07.22	30.12.22	72.01	60 days
Groundnut	Rabi 2022-23	Irrigated	Red-lateritic	-	-	-	Rice	02.1.23	-	72.01	9days

Mushroom cultivation	Rabi 2022-23	--		-	-	-	-	-	-	-	-
Poultry production	Kharif 2022	--		-	-	-	-	-	-	-	-
Duckery	Rabi 2022-23	--	-	-	-	-	-	-	-	-	-
Pisciculture	Kharif 2022	--	-	-	-	-	-	-	-	-	-
Mushroom cultivation	Kharif 2022	--	-	-	-	-	-	-	-		-
Mushroom cultivation	Rabi 2022-23	--	-	-	-	-	-	-	-	-	-

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Groundnut	Varietal Evaluation	Demonstration of HYV of groundnut variety-Dharani	14	05	19.8	17.5	13.1	42530	115830	73300	2.7	41000	102375	61375	2.5
Total			14	05	19.8	17.5	13.1	42530	115830	73300	2.7	41000	102375	61375	2.5

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

Pulses

Frontline demonstration on pulse crops

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

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

** BCR= GROSS RETURN/GROSS COST

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Rice	Varietal Evaluation	Cultivation of rice variety Swarna Shreya,	15	6.0	42.4	36.8	15.7	No. of tillers/plant-14.6	No. of tillers/plant-12.5	36800	65700	28900	1.8	35600	57040	21800	1.6
Rice	Varietal Evaluation	Demonstration of BPH tolerant rice variety Hasanta	4	0.4	43.8	39.3	11.4	No. of tillers/plant-13.5	No. of tillers/plant-11.2	36500	70500	34000	1.9	35000	62800	27800	1.7
Rice	Weed Management	Application of Pendimethalin @ 750 g ai / ha as pre-emergence application i.e 0-3 DAT followed by Bispyribac sodium @ 25 g ai /ha as post-emergence i.e 25 DAT in medium land rice	10	8.0	40.4	35.1	15.0	Weed count(No/M^2)-27	Weed count(No/M^2)-62	40300	66660	26360	1.7	38200	57915	19715	1.5

Rice	Weed Management	Application of Penuxulam @ 93.75ml/ha as post emergence application at 12 DAT in upland rice	10	4.0	39.8	33.6	18.45	Weed count(No/M^2)-31	Weed count(No/M^2)-57	36700	63680	26980	1.7	34200	53760	19560	1.6
Maize	Varietal Evaluation	Demonstration of hybrid maize variety Kalingaraj	12	3.0	45.8	38.3	19.58	Plant height (cm)-212.4	Plant height (cm)-185.2	40000	84730	44730	2.2	40515	70855	30340	1.5
Finger Millet	Varietal Evaluation	Demonstration of HYV of Finger millet variety-Arjun	11	3.0	12.25	7.8	57.05	No. of Fingers/ Ear-6.8	No. of Fingers/ Ear-5	17800	36750	18950	2.1	15600	23400	12800	1.5
Marigold	Varietal Evaluation	Demonstration of Marigold variety –Bidhan Marigold 2	11	2.0	120.0	86.0	39.5	No. of flowers/ plant-92	No. of flowers/ plant-68	80000	360000	280000	4.5	60000	189200	129200	3.1
Marigold	Varietal Evaluation	Demonstration of Marigold variety –Bidhan Marigold 3	12	0.4	122.0	85.0	39.0	No. of flowers/ plant-92	No. of flowers/ plant-68	80000	360000	280000	4.5	60000	189200	129200	3.1
Tomato	Varietal Evaluation	Demonstration of triple resistant Tomato variety-Arka Samrat	14	0.4	469.6	376.4	24.76	Fruit wt. in (g)-96.5	Fruit wt. in (g)-89.2	90000	234800	144800	2.6	92000	188200	96200	2.1

Papaya	Varietal Evaluation	Demonstration of Papaya variety- Red lady	14	0.4	180	120	50	-	-	60000	216000	156000	3.6	42000	144000	102000	3.4
Tomato	Crop Management	Demonstration of poly mulching in Tomato	10	0.4	432.5	361.3		No. of fruits/plant-62	No. of fruits/plant-48	102500	302750	200250	3.0	91000	252910	161910	2.8
Vegetables	Nutritional security	Demonstration of Nutritional Garden for ensuring Nutritional Security of farm families	5	0.4	2.6 kg /5cent/day	1.5 kg /5 cent /day	73.3	-	-	--	15000 (7.5q/5 cent @ Rs.20/ kg)	12000	4.0	--	8000 (4 q/5 cent @ Rs.20/ kg)	5500	3.2
	Total		**128**	**28.4**													

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	IGA	Demonstration of stress tolerant poultry breed Kadaknath	13	400 Nos.	Body wt./bird/ 6 month (kg)-1.4	Body wt./bird/ 6 month (kg)-1.2	16.66	Mortality (%)-4	Mortality (%)-11	1600 / 10 bird	7000/ 10 bird	5400/ 10 bird	4.3	1300/ 10bird	4200/ 10bird	2900/10 bird	3.2
Rabbitry																	
Pigerry																	

Sheep and goat																	
Duckery	IGA	Demonstration of Duck breed white Pekin in backyard	8	150 nos.	Body wt./bird/ 4 month (kg)-1.8	Body wt./bird/ 4 month (kg)-1.2	50	No. of Eggs/bird/Year -170	No. of Eggs/bird/Year -110	1150 / 10 bird	3600/ 10 bird	2450/ 10 bird	3.1	900/ 10 bird	2400/ 10 bird	1500/ 10 bird	2.7
Total			**21**	**550**													

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

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	IGA	Stocking of stunted fingerling @5000 no./ha (Catla + Rohu + Pangasius + Mrigal = 3:2:2:3) with feed management	6	2000 Nos.	31.0 (Pangasius - 13.5, IMC-17.5)	17.2	80.23	Avg Fish wt. (gm./ 6 month)- 760 g, Pangasius- 1500 ,IMC-500	Avg Fish wt. (gm./ 6 month)- 430 g.	116000	465000	349000	4.0	86500	258000	171500	3.0
Mussels																	
Ornamental fishes																	
	Total		**6**	**2000**													

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy Straw mushroom	Demonstration of paddy straw mushroom cultivation	14	14	Yield (Kg/bed)-1.2	Yield (Kg/bed)-0.7	44	-	-	680/ 10 bed	2400/ 10 bed	1720/ 10 bed	3.5	550/ 10 bed	1680/ 10 bed	1130/ 10 bed	3.0
Oyster mushroom	Demonstration of Oyster mushroom cultivation	20	20	Yield (Kg/bed)-1.9	Yield (Kg/bed)-1.7	11.8	-	-	50/bed	190/bed	140/bed	3.8	50/bed	170/bed	120/bed	3.5
Vermicompost	Demonstration on vermicomposting using poly tank	20	20	7.2	5.3		3 kg vermin	1.5kg vermin	3500	12000	8500	3.42	3200	8700	5500	2.71
Apiculture	Demonstration on Indian bee (1st Year)	3	3 No.	4 kg/box	2.8 kg/box		--	--	5200 (1st Yr.)	2800	--	--	5000	1960	--	--
Total		**57**	**57**													

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

** BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									
Maize Sheller	Maize	Demonstration of Maize Sheller	25	--											
Bhendi Plucker	Bhendi	Demonstration of Bhendi plucker	25	--											
Improved Sickle	Rice	Demonstration of Improved sickle	25	--											
Garden Rack	Vegetable	Demonstration of garden rack	25												
Mango Plucker	Mango	`Demonstration of Mango plucker	5												

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

** BCR= GROSS RETURN/GROSS COST

Demonstration details on crop hybrids

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

Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato	Arka Rakshak	10	1.0	46960	37640	24.76	90000	234800	144800	2.6
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Rice	Accepted by the farmers
2	Rice	Rice variety Hasanta is tolerant to BPH
3	Rice	This weed management practices gives higher yield
4	Rice	This weed management practices gives higher yield
5	Maize	Maize variety Kalingaraj gives higher yield and income
6	Finger Millet	Accepted by the farmers
7	Marigold	The net return is more and accepted by farmers
8	Marigold	The net return is more and accepted by farmers
9	Tomato	Triple resistant Tomato variety- Arka Rakshak is accepted by farmers
10	Papaya	Papaya variety Red lady is performing well
11	Tomato	Due to poly mulching the , weed infestation is low
12	Vegetables	Nutritional Garden ensuring Nutritional Security of farm families and accepted by farm women
13	Groundnut	Groundnut variety Dharani is accepted by the farmers due to higher yield
14	Mushroom cultivation	Good source of income for farm women
15	Poultry production	The Kadaknath breed is well accepted by the farmers for higher price
16	Duckery	White Pekins is more profitable as having high production potential in terms of egg production and body weight gain
17	Common carps	Stocking of stunted fingerling @5000 no./ha (Catla + Rohu + Pangasius + Mrigal = 3:2:2:3) with feed management gives more yield (31.0q/ha)
18	Mushroom cultivation (Paddy Straw)	Good source of income for farm women
19	Mushroom cultivation(Oyster)	Good source of income for farm women
20	Vermicomposting	
21	Bee Keeping	

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	November 2022 and March 2023	2	100	Finger millet and Tomato
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2022 and Rabi 2021-22:

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield (q/ha)			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Ground nut	Local	15.6	12.68	17.87	26	New var.(Dharani) and Seed treatment with Carbendazim @ 2g/kg seed & need based PP chemicals	25	10.0	18.9	16.7	17.8	38.9	0	31.53
2	Greengram	Local (Chaiti)	-	-	-	-	New var.(Virat) and Seed treatment with liquid rhizobium and carbendazim & need based plant protection measures along with yellow sticky trap (Continuing)								

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	New var.(Dharani) and Seed treatment with Carbendazim @ 2g/kg seed & neeed based PP chemicals	32000	68000	36000	2.1	38000	89000	51000	2.3

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays /household)
1	New var.(Dharani) and Seed treatment with Carbendazim @ 2g/kg seed & neeed based PP chemicals	44530	300	50	150	100	Farming and household expenses	50

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	New var.(Dharani) and Seed treatment with Carbendazim @ 2g/kg seed & neeed based PP chemicals	Yes	Good	90	No	Yes	-

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Total Package and practices with improved variety	Good	14.1 % more yield over local check	Accepted by the farmers

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field Day on Groundnut	24.03.23,Routbahal	30
	Group Meeting	21.12.22, Routbahal	25
	Group Meeting	26.12.22, Guchhapali	15
2	Field Day on Greengram	23.03.23	30

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

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
CFLD on Oilseed	i) Critical input	120000	106530	
	ii) TA/DA/POL etc. for monitoring		6575	

	iii) Extension Activities (Field day)		6895	
	iv)Publication of literature		--	
	Total	120000	120000	Nil

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
CFLD Pulses	i) Critical input	88800	60270	Nil
	ii) TA/DA/POL etc. for monitoring		4000	
	iii) Extension Activities (Field day)		9530	
	iv)Publication of literature		15000	
	Total	88800	88800	

CFLD on Oilseed-Groundnut variety-Dharani

CFLD on Pulses-Greengram variety-Virat

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

A) Farmers and farm women (on campus)

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

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

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
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
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													

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
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	1	7	11	18	2	1	3	2	2	4	11	14	25
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others													
Total	1	7	11	18	2	1	3	2	2	4	11	14	25
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**1**	**7**	**11**	**18**	**2**	**1**	**3**	**2**	**2**	**4**	**11**	**14**	**25**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	5	4	9	1	1	2	3	1	4	9	6	15
Commercial fruit production													
Integrated farming	1	2	8	10	1	2	3	0	2	2	3	12	15
Seed production													
Production of organic inputs	3	2	28	30	0	8	8	0	7	7	2	43	45
Planting material production	1	0	13	13	0	1	1	0	1	1	0	15	15
Vermiculture	1	0	16	16	1	8	9	1	4	5	2	28	30
Mushroom Production	1	0	2	2	1	5	6	0	7	7	1	14	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	2	2	5	7	0	13	13	0	10	10	2	28	30
Total	**10**	**11**	**76**	**87**	**4**	**38**	**42**	**4**	**32**	**36**	**19**	**146**	**165**

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													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs	1	7	0	7	2	0	2	1	0	1	10	0	10
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													

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
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	1	8	2	10	0	0	0	0	0	0	8	2	10
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	2	12	5	17	2	0	2	1	0	1	15	5	20
Total	**4**	**27**	**7**	**34**	**4**	**0**	**4**	**2**	**0**	**2**	**33**	**7**	**40**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	2	1	3	2	7	9	4	9	13	8	17	25
Resource Conservation Technologies													
Cropping Systems	2	9	15	24	3	10	13	4	9	13	16	34	50
Crop Diversification													
Integrated Farming	1	8	9	17	2	3	5	1	2	3	11	14	25
Micro irrigation/irrigation	1	6	6	12	3	2	5	5	3	8	14	11	25
Seed production													
Nursery management													
Integrated Crop Management	4	33	42	75	7	4	11	9	5	14	49	51	100
Soil & water conservation	2	5	38	43	2	1	3	2	2	4	9	41	50
Integrated nutrient Management	3	23	25	48	8	3	11	12	4	16	43	32	75
Production of organic inputs	2	0	14	14	0	15	15	0	21	21	0	50	50
Others	6	7	18	25	5	54	59	9	57	66	21	129	150
Total	**22**	**93**	**168**	**261**	**32**	**99**	**131**	**46**	**112**	**158**	**171**	**379**	**550**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising	1	0	11	11	0	5	5	0	9	9	0	25	25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others	2	31	25	56	3	4	7	5	7	12	39	36	75
Total (a)	**3**	**31**	**36**	**67**	**3**	**9**	**12**	**5**	**16**	**21**	**39**	**61**	**100**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young													

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
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	2	13	12	25	1	11	12	3	10	13	17	33	50
Integrated water management													
Integrated Nutrient Management	2	13	21	34	0	9	9	0	7	7	13	37	50
Production and use of organic inputs	1	14	1	15	3	1	4	5	1	6	22	3	25
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer	1	6	9	15	4	9	13	5	7	12	15	25	40
Soil & water testing	1	11	7	18	4	0	4	2	1	3	17	8	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
others													
Total	**7**	**57**	**50**	**107**	**12**	**30**	**42**	**15**	**26**	**41**	**84**	**106**	**190**
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	3	2	14	16	14	14	28	19	12	31	35	40	75

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Disease Management	6	16	24	40	14	41	55	11	34	45	41	109	150
Biocontrol of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	**9**	**18**	**38**	**56**	**28**	**55**	**83**	**30**	**46**	**76**	**76**	**149**	**225**
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													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1	16	7	23	1	0	1	1	0	1	18	7	25
Formation and Management of SHGs	1	3	12	15	1	3	4	2	4	6	6	19	25
Mobilization of social capital	1	6	15	21	1	1	2	0	2	2	7	18	25
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	3	29	38	67	5	12	17	5	11	16	39	61	100
Total	**6**	**54**	**72**	**126**	**8**	**16**	**24**	**8**	**17**	**25**	**70**	**105**	**175**
XI. Agro forestry													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	47	253	364	617	83	209	292	104	217	321	440	800	1240

E) RURAL YOUTH (Off Campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	2	1	3	2	7	9	4	9	13	8	17	25
Resource Conservation Technologies													
Cropping Systems	2	9	15	24	3	10	13	4	9	13	16	34	50
Crop Diversification													
Integrated Farming	1	8	9	17	2	3	5	1	2	3	11	14	25
Micro irrigation/irrigation	1	6	6	12	3	2	5	5	3	8	14	11	25
Seed production													
Nursery management													
Integrated Crop Management	4	33	42	75	7	4	11	9	5	14	49	51	100
Soil & water conservation	2	5	38	43	2	1	3	2	2	4	9	41	50
Integrated nutrient Management	3	23	25	48	8	3	11	12	4	16	43	32	75
Production of organic inputs	2	0	14	14	0	15	15	0	21	21	0	50	50
Others	6	7	18	25	5	54	59	9	57	66	21	129	150
Total	**22**	**93**	**168**	**261**	**32**	**99**	**131**	**46**	**112**	**158**	**171**	**379**	**550**
II. Horticulture													
a) Vegetable Crops													
Production of low volume and high value crops													
Off0season vegetables													
Nursery raising	1	0	11	11	0	5	5	0	9	9	0	25	25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others	2	31	25	56	3	4	7	5	7	12	39	36	75
Total (a)	**3**	**31**	**36**	**67**	**3**	**9**	**12**	**5**	**16**	**21**	**39**	**61**	**100**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													
Total (c)													

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
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others													
Total (e)													
f) Spices													
Production and Management technology													
Processing and value addition													
Others													
Total (f)													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others													
Total (g)													
Total(a-g)													
III. Soil Health and Fertility Management													
Soil fertility management	2	13	12	25	1	11	12	3	10	13	17	33	50
Integrated water management													
Integrated Nutrient Management	2	13	21	34	0	9	9	0	7	7	13	37	50
Production and use of organic inputs	1	14	1	15	3	1	4	5	1	6	22	3	25
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Balance Use of fertilizer	1	6	9	15	4	9	13	5	7	12	15	25	40
Soil & water testing	1	11	7	18	4	0	4	2	1	3	17	8	25
others													
Total	7	57	50	107	12	30	42	15	26	41	84	106	190
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													
Production of quality animal products													
Others													
Total													
V. Home Science/Women													

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
empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others													
Total													
VII. Plant Protection													
Integrated Pest Management	3	2	14	16	14	14	28	19	12	31	35	40	75
Integrated Disease Management	6	16	24	40	14	41	55	11	34	45	41	109	150
Biocontrol of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total	9	18	38	56	28	55	83	30	46	76	76	149	225
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													

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
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1	16	7	23	1	0	1	1	0	1	18	7	25
Formation and Management of SHGs	1	3	12	15	1	3	4	2	4	6	6	19	25
Mobilization of social capital	2	13	26	39	3	2	5	2	4	6	18	32	50
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	3	29	38	67	5	12	17	5	11	16	39	61	100
Total	7	61	83	144	10	17	27	10	19	29	81	119	200
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	**48**	**260**	**375**	**635**	**85**	**210**	**295**	**106**	**219**	**325**	**451**	**814**	**1265**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops	1	5	4	9	1	1	2	3	1	4	9	6	15
Commercial fruit production													
Integrated farming	1	2	8	10	1	2	3	0	2	2	3	12	15
Seed production													
Production of organic inputs	3	2	28	30	0	8	8	0	7	7	2	43	45
Planting material production	1	0	13	13	0	1	1	0	1	1	0	15	15
Vermiculture	1	0	16	16	1	8	9	1	4	5	2	28	30
Mushroom Production	1	0	2	2	1	5	6	0	7	7	1	14	15
Beekeeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	2	2	5	7	0	13	13	0	10	10	2	28	30
Total	**10**	**11**	**76**	**87**	**4**	**38**	**42**	**4**	**32**	**36**	**19**	**146**	**165**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs	1	7	0	7	2	0	2	1	0	1	10	0	10
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	1	8	2	10	0	0	0	0	0	0	8	2	10
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	2	12	5	17	2	0	2	1	0	1	15	5	20
Total	**4**	**27**	**7**	**34**	**4**	**0**	**4**	**2**	**0**	**2**	**33**	**7**	**40**

lease 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
Agriculture Extension	F&FW	Soil sample collection technique	1	Off	17	8	25	6	1	7
Agriculture Extension	F&FW	Online marketing avenues for agri commodities system and operation	1	On	11	14	25	4	3	7
Agriculture Extension	F&FW	Green manuring by Dhaincha incorporation in rice field	1	Off	16	9	25	3	1	4
Agriculture Extension	F&FW	Preparation of bio inputs for crop management	1	Off	22	3	25	8	2	10
Agriculture Extension	F&FW	Formation and management of SHG	1	Off	6	19	25	3	7	10
Agriculture Extension	F&FW	Group management in FPO and farmers club	1	Off	18	7	25	2	0	2
Agriculture Extension	F&FW	Management of FPOs	1	Off	27	23	50	8	11	19
Agriculture Extension	F&FW	Integrated organic farming	1	Off	11	14	25	3	5	8
Agriculture Extension	F&FW	ICT in agriculture	1	Off	0	25	25	0	8	8
Agriculture Extension	F&FW	Group based input management practices for farmers group	1	Off	12	13	25	2	4	6
Agriculture Extension	F&FW	Mobilization of social capital	1	Off	7	18	25	1	3	4
Agriculture Extension	RY	Entrepreneurship development and its management	2	On	0	15	15	0	11	11
Agriculture Extension	RY	Vermicomposting	2	On	0	15	15	0	2	2
Agriculture Extension	RY	Potential entrepreneurship avenues in vegetable production	2	On	9	6	15	4	2	6
Agriculture Extension	RY	Organic input production and its use in crops	2	On	0	15	15	0	8	8
Agriculture Extension	In-service	Agri based entrepreneurship development	1	On	8	2	10	0	0	0
Agriculture Extension	In-service	Role of social media in agriculture extension	1	On	5	5	10	2	0	2

Agriculture Extension	Spons ored	Awareness training programme for pump technicians and farmers	1	On	52	23	75	7	10	17
Agriculture Extension	Spons ored	Vermicomposting	5	On	7	13	20	2	3	5
Plant Science (Seed Science)	F&FW	Natural Farming with zero tillage and summer ploughing	1	Off	0	25	25	0	25	25
Plant Science (Seed Science)	F&FW	Mulching in vegetable and fruit production	1	Off	21	4	25	5	3	8
Plant Science (Seed Science)	F&FW	Package and practices of Finger Millet	1	Off	10	15	25	0	1	1
Plant Science (Seed Science)	F&FW	Balance use of fertilizer and agro-forestry	1	Off	15	25	40	9	16	25
Plant Science (Seed Science)	F&FW	Stem bore management through IPM	1	Off	5	20	25	5	8	13
Plant Science (Seed Science)	F&FW	Use of LCC in Rice crop for nutrient management	1	Off	13	12	25	0	0	0
Plant Science (Seed Science)	F&FW	Disease & pest management in rice	1	Off	13	12	25	8	7	15
Plant Science (Seed Science)	F&FW	IPM practices for Fall Army worm in maize	1	Off	8	17	25	6	15	21
Plant Science (Seed Science)	F&FW	Nursery management of tomato	1	Off	0	25	25	0	14	14
Plant Science (Seed Science)	F&FW	Disease and pest control in vegetable crops by using bio-agent & Inputs	1	Off	12	13	25	2	4	6
Plant Science (Seed Science)	F&FW	Water management practices in vegetable crops	1	Off	18	32	50	3	8	11
Plant Science (Seed Science)	F&FW	Integrated Nutrient management in marigold	1	Off	0	25	25	0	16	16
Plant Science (Seed Science)	F&FW	Integrated Organic Farming	1	Off	0	25	25	0	24	24
Plant Science (Seed Science)	F&FW	Seed treatment and bio control measures in greengram	1	Off	12	13	25	0	0	0
Plant Science (Seed Science)	F&FW	Integrated pest management practices for groundnut crop	1	Off	22	3	25	22	3	25
Plant Science (Seed	F&FW	YMV management in green gram	1	Off	2	23	25	1	7	8

Science)										
Plant Science (Seed Science)	F&FW	IDM for colar rot and tikka management in groundnut	1	Off	11	14	25	1	11	12
Plant Science (Seed Science)	F&FW	Post-Harvest Management of groundnut	1	Off	5	20	25	1	6	7
Plant Science (Seed Science)	F&FW	Disease and pest management in rice	1	Off	10	15	25	10	15	25
Plant Science (Seed Science)	F&FW	Disease and pest management in sweet corn	1	Off	5	20	25	5	20	25
Plant Science (Seed Science)	F&FW	Disease and pest management in groundnut	1	Off	0	25	25	0	25	25
Plant Science (Seed Science)	F&FW	Method demonstration on seed treatment	1	Off	0	25	25	0	25	25
Plant Science (Seed Science)	F&FW	Method demonstration on seed treatment	1	Off	2	23	25	2	23	25
Plant Science (Seed Science)	RY	IPM in Paddy	1	On	3	12	15	1	4	5
Plant Science (Seed Science)	RY	Organic inputs production and its use in Crop production	2	On	2	13	15	0	4	4
Plant Science (Seed Science)	RY	Quality planting materials & seedling production	2	On	0	15	15	0	2	2
	IS	Integrated Farming System Development	1	On	10	0	10	1	0	1
Crop Production	F&FW	Integrated weed management in maize	1	Off	8	17	25	6	16	22
Crop Production	F&FW	Nutrient Management in sweet corn	1	Off	8	17	25	0	2	2
Crop Production	F&FW	Use of bio agents and bio fertlizers	1	Off	9	16	25	8	15	23
Crop Production	F&FW	Improved cultivation practices of sweet corn	1	Off	6	19	25	4	3	7
Crop Production	F&FW	Integrated nutrient management in blackgram and Greengram	1	Off	15	10	25	0	0	0
Crop Production	F&FW	Crop rotation and diversification	1	Off	8	17	25	0	3	3
Crop Production	F&FW	Integrated nutrient management in Groundnut	1	Off	20	5	25	20	5	25
Crop	F&FW	Cultivation of pulses	1	Off	8	17	25	7	16	23

Production		in rice fallow and its management								
Crop Production	F&FW	Water management and inter culture operations in summer groundnut	1	Off	14	11	25	8	5	13
Crop Production	F&FW	Stored grain pest management in greengram using probag	1	Off	5	20	25	3	17	20
Crop Production	F&FW	Green manuring	1	Off	1	24	25	1	20	21
Crop Production	F&FW	Method demonstration of vermi composting	1	Off	0	25	25	0	12	12
Crop Production	F&FW	Water harvesting and water conservation	1	Off	3	22	25	0	0	0
Crop Production	F&FW	Improve cultivation practices of greengram	1	Off	10	15	25	0	0	0
Crop Production	F&FW	Improve cultivation practices of groundnut	1	Off	17	8	25	16	8	24
Crop Production	RY	Vermicomposting	2	On	2	13	15	2	10	12
Crop Production	RY	Commercial Oyster mushroom cultivation	3	On	1	14	15	1	12	13
Crop Production	RY	Azolla Cultivation	2	On	2	13	15	0	12	12
Crop Production	RY	Production and use of organic inputs for plant protection measures	2	On	0	15	15	0	3	3
Crop Production	IS	Uses of bio decomposers in crop production	1	On	10	0	10	3	0	3

H) Vocational training programmes for Rural Youth

a) Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Bee Keeping	IGA	Scientific method of Bee keeping	5	0	10	10	Individual	2	2	2
Organic Farming	IGA	Organic Farming	5	0	10	10	SHG	4	2	2

*training title should specify the major technology /skill transferred

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Commercial floriculture													
Commercial fruit production													
Commercial vegetable production													
Integrated crop management													
Organic farming													
Other													
Total													
Post harvest technology and value addition													
Value addition													
Other													
Total													
Livestock and fisheries													
Dairy farming													
Composite fish culture													
Sheep and goat rearing													
Piggery													
Poultry farming													
Other													
Total													
Income generation activities													
Vermicomposting													
Production of bioagents, biopesticides,													
biofertilizers etc.													
Repair and maintenance of farm machinery & imlements													
Rural Crafts													

Seed production													
Sericulture													
Mushroom cultivation													
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other (Bee Keeping)	1	0	5	5	0	2	2	0	3	3	0	10	10
Organic input production	1	0	2	2	0	0	0	0	8	8	0	10	10
Total	2	0	7	7	0	2	2	0	11	11	0	20	20
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total	**2**	**0**	**7**	**7**	**0**	**2**	**2**	**0**	**11**	**11**	**0**	**20**	**20**

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

Sl. No	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of participants	Sponsoring Agency
1	Awareness training programme for pump technicians and farmers	Farm machinery	February 2022	1	PF	1	75	Department of Energy, Govt. of Odisha
2	Vermicomposting	IGA	March 2022	5	RY	1	20	OMBADC, Govt. of Odisha

b) Details of participation

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													

Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Awareness training programme for pump technicians and farmers	1	45	13	58	3	4	7	4	6	10	52	23	75
Total	1	45	13	58	3	4	7	4	6	10	52	23	75
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Vermicomposting	1	5	10	15	1	1	2	1	2	3	7	13	20
Total	1	5	10	15	1	1	2	1	2	3	7	13	20
Grand Total	**2**	**50**	**23**	**73**	**4**	**5**	**9**	**5**	**8**	**13**	**59**	**36**	**95**

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	4	62	52	114	10	4	4	8	66	56	122
Kisan Mela	2	122	77	199	12	10	8	18	132	85	217
Kisan Ghosthi				0					0	0	0
Exhibition	2	152	85	237	14	12	6	18	164	91	255
Film Show	8	120	65	185	12	8	6	14	128	71	199
Method Demonstrations	4	28	25	53	7	7	2	9	35	27	62
Farmers Seminar	1	40	56	96	11	2	4	6	42	60	102
Workshop	8	122	62	184	9	21	8	29	143	70	213
Group meetings	15	201	78	279	8	25	17	42	226	95	321
Lectures delivered as resource persons	20	224	264	488	12	10	7	17	234	271	505
Advisory Services	22	96	72	168	12	14	10	24	110	82	192
Scientific visit to farmers field	36	235	176	411	11	11	8	19	246	184	430
Farmers visit to KVK	12	126	148	274	12	16	10	26	142	158	300
Diagnostic visits	10	112	84	196	6	8	8	16	120	92	212
Exposure visits	4	18	28	46	2	2	3	5	20	31	51
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify) International Womens Day, Vanomahostav, University Foundation Day, World Food Day, Mahila Kisan Diwas , World Soil Day, Agriculture Extension day, Kissan Diwas	8	98	102	200	14	23	37	60	121	139	260
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	12	184	44	228	10	4	4	8	188	48	236
Mahila Kisan Divas	1	0	25	25	5	2	1	3	2	26	28
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-	-
Total	169	1940	1443	3383	167	179	143	322	2119	1586	3705

B. Other Extension activities

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

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dhaincha	Local	1.4	5600					5	-	5	-
Grand Total		1.4	5600					5	-	5	-

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Vegetable seedlings											
Cauliflower											

Cabbage											
Tomato		12500	31250	1	1	2	1	4	1	7	3
Brinjal		1100	1650	1	0	1	0	1	1	3	1
Chilli		1800	3500	0	0	1	0	3	1	4	1
Onion											
Others											
Fruits											
Mango											
Guava											
Lime											
Papaya		1680	42000	3	2	4	3	12	7	19	12
Banana											
Moringa		280	4200	4	5	6	5	16	8	26	18
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Marigold		400	480	2	2	4	1	8	6	14	9
Total		17060	83080								

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted							
			SC		ST		Other		Total	
			M	F	M	F	M	F	M	F
Bio-fertilizers (Vermicompost)	1000	11925	1	1	2	0	3	2	6	3
Bio-pesticide										
Bio-fungicide										
Bio-agents										
Others, please specify. (Vermin)	2	1000	1	0	0	0	1	0	2	0
Total	797	12925								

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Dairy animals											
Cows											
Buffaloes											
Calves											

Others (Pl. specify)											
Small ruminants											
Sheep											
Goat											
Other, please specify											
Poultry											
Broilers											
Layers	Kadaknath, Vanaraja, Kaveri,	810	78800	6	8	1	2	3	4	10	14
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks	White Pekins	150	14250	4	6	-	-	-	-	4	6
Others (Pl. specify)											
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings											
Spawn											
Others (Pl. specify)											
Grand Total		960	93050								

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 2022						
Rabi 2020-21						
Summer/Spring 2022						

Kharif 2022						
Rabi 2021-2022						

iii) Financial Progress

Fund received (2019-20, 2020-21, 2021-22 and 2022-23)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2019-20	-	-	-	-
2020-21	-	-	-	-
2021-22	-	-	-	-
2022-23	-	-	-	-

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	Digitalization in Agriculture: The extension next strategy for enhancing farmers income	Dash S.R. and Mishra P.J.	--	International Journal of Advanced mass communication and Journalism(2022); 3(2) ;48-55
	Finger millet Cultivation in association with Eucalyptus bund plantation	Nayak M.R., Dash S.R., Paramguru S., Sethy K, Mallick L., Pattanayak S.,sathapathy S., Sahoo J.P, Das P., Swain B.K. (2023), ,		AMA Journal ,volume 54, Issue 2, Page 12157 :12165
Books	--			
Bulletins	--			
News letter	Sabujima	Dr. S.R Dash Sri M.K Barik Dr. Anuj Ku. Ray Ms. Susmita Panda	1000	1000
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	Vermicompostiing Greengram Cultivation	Dr. S.R Dash Sri M.K Barik	2000	2000

	Mushroom Cultivation Organic Farming	Dr. Anuj Ku. Ray Ms. Susmita Panda		
Technical reports	Annual Report and Action Plan, District contingent plan	Dr. S.R Dash Sri M.K Barik	-	-
Electronic Publication (CD/DVD etc.)	--			
TOTAL	5			

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.	International Extension Conference	Participation in International conference on "Innovative application in Agriculture extension for sustainable food and environment security"	Dr. S. R Dash, SS&H	27-30 Jan 2023	BHU, Varanasi, UP
2.	Refresher Training for SS&H, Scientist(Ag. Extn.)	Refresher Training for SS&H, Scientist(Ag. Extn.)	Dr. S. R Dash, SS&H	8-9 Sept 2022	OUAT, Bhubaneswar
3.	Refresher Training for SS&H, Scientist(Ag. Extn.)	Refresher Training for SS&H, Scientist(Ag. Extn.)	Sri Monoj Kumar Barik	8-9 Sept 2022	OUAT, Bhubaneswar
4	Refresher Training for SS&H, Scientist(Ag. Extn.)	Early Childhood care for working women	Dr. Susmita Panda , SMS (Agro)	7-8 Feb 2023	OUAT, Bhubaneswar
5.	Training on Production of short video production	Production of Short Videos	Sri Bishnu Ranjan Padhi, P.A (Computer)	15-17 Dec 2022	DEE,OUAT, BBSR
6.	Refresher Training cum Exposure Visit	IFS for sustainable agriculture and livelihood security	Dr. Susmita Panda , SMS (Agro)	27-28 March 2023	OUAT, Bhubaneswar

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

Name of farmer	Mrs. Susama Meher W/O Khageswar Meher
Address	Village-Bhoimunda , Block-Jharsuguda, Dist-Jharsuguda
Contact details (Phone, mobile, email Id)	Mob No-:8144165083
Landholding (in ha.)	Upland- 0.5 acre, Medium land-2 acre Low land-0.5 acre
Name and description of the farm/ enterprise	Breed up gradation of Goat (Black Bengal)
Economic impact	Rs. 10,800/Animal/6 month
Social impact	
Environmental impact	
Horizontal/ Vertical spread	5 villages

INTERVENTION: -

Apart from being engaged in vegetable cultivation Mrs. Susama Meher was interested in keeping of goat as a subsidiary source of income from 2015, she was involved in goat rearing. But initially she kept 2 bucks and 20 no's of does, all of which were nondescript animals of the area. Those goats showed slower gain in body weight, late sexual maturity, lower kidding per year. The KVK, Jharsuguda 2 no's of Black Bengal bucks were introduced in the herd for breed up-gradation. After the replacement of bucks the offspring produced from the up-gradation have shown higher growth rate , which is reported to the 14 kg at 6 month of age. However the upgraded goats attained sexual maturity at 8 months of age. Looking at the development programme of Mrs. Susama Meher other goat keepers of the village were got interested, &started goat rearing by taking buck on rent.

Impact: After introduction of Black Bengal buck the growth rate , age of sexual maturity , kidding interval, twinning percentage has improved five other herds of the village took the Black Bengal buck on rental for up-gradation purpose.

Treatment	**Body wt(kg/6 months)**	**% change in body wt**	**Net Return (Rs/animal/6month)**	**B:C Ratio**
T_1 (Non descript goat)	15.0		6750	3.5
T_2 (Black Bengal)	24.0	60	10800	4.2

Future strategy:-
Breed up gradation of other heads with black Bengal buck and buck exchange programme after 3 years to avoid inbreeding and production depression

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
1	Cattle	Herbal treatment using turmeric Bahada and Camphor paste	Treatment of FMD
2	Poultry	Use of Neem and Turmeric paste	Treatment of fowl pox

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)
1	Vegetable & Fruits	42	6000 q	124	Y

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
➢ PRA method	Identification of problems, problem analysis, Database formation and primary data collection.	➢ PRA method
➢ Farmers interaction and group discussion	Verification of the problem and prioritization of the problem	➢ Farmers interaction and group discussion
➢ Training need assessment	Technological gap analysis, need based problem identification	➢ Training need assessment

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

Sl. No	Name of the Equipment	Qty.
1	Automatic Nitrogen Analyzer with digestion unit	1
2	MridaParikshak soil testing kit	2
3	Precision Analytical Balance	1
4	pH, EC, TDS meter	1
5	Digital soil moisture meter	1
6	Digital balance	1
7	Flame Photometer	1
8	Spectro Photometer	1
9	Double distillation unit	1
10	DAPS power supply	1
11	Rotary Shaker	1
12	GPS set	1

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
--	30	30	145	6	--

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	Farmers – Scientist Interaction	86	2	1. Sri Saroj Kumar Samal DM, Jharsguda	70	680

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
Exposure visit cum training programme under ATMA programme on "Soil and Water Conservation"	2	--	60	4

3.13. Technology week celebration

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

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

No of student trained	No of days stayed
5	45

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
17.10.2022	Sj. Suresh Kumar Pujari, Member of Parliament, Bargarh, Odisha	Chief Guest on the occasion of Kissan Samman Nidhi Programme 2022 (Web telecast)
28.09.22	Dr. A.K Nayak, Director, ICAR-NRRI, Cuttack	Farmers Training
28.09.22	Dr. Mohd. Saheed, Sr. Scientist , Crop Production Division, ICAR-NRRI, Cuttack	Farmers Training
14.12.2022	Dr. H.K Sahoo, DDE, OUAT, Bhubaneswar	18th SAC Meeting of KVK
13.10.2022	Sj. Saroj Kumar Samal , DM-cum-Collector	Chief guest on District level training of Stake holders for implementation of "Go Sugam" programme at KVK Jharsuguda
17.01.2023	Dr. Avijit Halder, Principal Scientist , ICAR-ATARI, Kolkata, Zone V	Visited KVK Jharsuguda

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)
Improved method of Groundnut cultivation with HYV.	30	70	40000	50200
Drought tolerant paddy variety Sahabhagidhan	60	62	17500	24000
Improved method of Greengram cultivation with HYV.	50	64	24000	32000
Weed management in paddy	30	80	19000	23000
Sweetcorn cultivation variety –Sugar 75	60	55	25000	85000
Backyard Poultry rearing	60	45	380/bird	650/bird
Mushroom production techniques	60	46	150/bed	220/bed
Stress tolerant Poultry rearing – Kadaknath	50	65	280/bird	450/bird
Cultivation of BM-2 Marigold	50	62	170000	240000

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
Drought tolerant paddy variety Sahabhagidhan	520 ha
Herbicide application in Rice	1250 ha
BPH management in Rice	218 ha
Millet Cultivation variety-Arjun	60 ha
Sweetcorn cultivation	82 ha
Cultivation of marigold variety BM-2	8 ha
Backyard Poultry rearing –Kadaknath	25 villages
Nutrient management in Groundnut	108 ha
YMV resistant greengram cultivation	250 ha
Mushroom Cultivation	17 village

Give information in the same format as in case studies

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
1	Drought tolerant paddy variety Sahabhagidhan	Adoption percentage- 65%, Horizontal spread-460 ha	Yield -30 q/ha
2	Herbicide application in Rice	Adoption percentage- 78%, Horizontal spread-960 ha	Yield -54 q/ha

4.4. Details of innovations recorded by the KVK

Thematic area	Agriculture Engineering
Name of the Innovation	Power tiller operated Paddy Thresher
Details of Innovator	Name of farmer: Sushanta Naik Address: Ghantamal, PO-Jhirlapalli, Block- Kolabira, Dist- Jharsuguda, Contact No.:9777468457 Age-62 Years, Education-Matriculate, Land Holding-5.0 acre.
Back ground of innovation	Threshing of paddy is expensive by using paddy combine harvester and dependent on availability of harvester in time.
Technology details	Power tiller operated Paddy Thresher is made up of wood, which is on an average weight of 3.0 qntl. and drawn by power tiller for threshing of paddy.
Practical utility of innovation	It can be made with local available materials , simple and easy to operate.

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Pond based IFS model
Name & complete address of the entrepreneur	Sarojini Bhainsal
Role of KVK with quantitative data support:	At-Saletikra, Block- Jharsuguda Dist-Jharsuguda
Timeline of the entrepreneurship development	2016-17 :- Taken training from KVK on integrated farming system development and Fish production 2016-17:- Conducted demonstration on Mushroom production, poultry rearing and INM in Potato 2017-18:- Taken training on vermicomposting and orchard management 2018-19:- Develop IFS model 2019-20:- Training on IFS model and Exposure visit 2020-21:- Fingerling rearing and Fish production demonstration
Technical Components of the Enterprise	Mushroom production technique – Bed preparation, substrate treatment and marketing. Poultry- Vaccination, feed management, disease management Fruit orchard- Guava, Papaya, drumstick, Mango Fish production – Fingerling rearing and Fish production
Status of entrepreneur before and after the enterprise	Net Income before the enterprise- Rs.75000/- Net Income before the enterprise- Rs. 125000/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Raw materials availability- adequate Labour availability- Yes Consumer preference- High Marketing the product- Local Market
Horizontal spread of enterprise	2-3 farmers

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Regional Research & Technology Transfer Station, Chiplima, Sambalpur	Agro Inputs and Technical assistance
Central Horticultural Experiment station, Bhubaneswar	Resource person, Technology and technical assistance, Agro Input supply
Central Tuber Crop Research Institute, Bhubaneswar	Programme implementation ,convergence mode action , resource person, technical assistance, funding agency, input supply
National Rice Research Institute, Cuttack	Programme implementation, Resource person, technical assistance, funding agency, input supply
Department of Agriculture, Jharsuguda	Programme implementation , convergence mode action ,Resource person, technical assistance, funding agency, input supply
Department of Horticulture, Jharsuguda	Programme implementation , convergence mode action ,Resource person, technical assistance and assistance in infrastructure development
Department of Fishery, Jharsuguda	Programme implementation , convergence mode action , Resource person, technical assistance, Agro input supply
Watershed Development, Jharsuguda	Agro Input supply, seed certification, procurement of seed.
Animal Resource department, Jharsuguda	Supply of farm implements, Agro inputs.
Odisha State seed corporation, Bargarh	Farmers club formation, Resource person,
Odisha Agro Industries corporation, Jharsuguda	Suggestion in formation of technical programmes, Crop insurance.
NABARD, Sundergarh	Agro Input supply, convergence mode action
Lead bank, SBI, Jharsuguda	Resource person, Technical assistance for capacity building
SEWA, Kolabira, (NGOs)	Programme implementation, convergence mode action, Resource person, Technical guidance
AJKA,Lakhanpur, Jharsuguda	Resource person and technical guidance

5.2. List of special programmes undertaken during 2022 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.)
CBSAE/OMBADC, Govt. of Odisha	➢ Skill Development ➢ Establishment of Agri-Enterprise at KVK	December 2022	CBSAE/OMBADC, Govt. of Odisha	83.0 lakh

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry	2013	18	Kadaknath	Chicks	960 No.	50602	93050	Distributed to farmers
2.	Poly House	2013	120	HYV & Local	Seedling & saplings	17060	4000	83080	Distributed to farmers
3.	Vermicompost	2013	18	--	Vermicompost and Vermin	10 q.	8290	15000	Distributed to farmers
	Total						62892	191130	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	1000	8290	15000	Distributed to farmers

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Poultry Bird	Kadaknath, Kaveri	Chicks	810	42352	78800	Distributed to farmers
2.	Duckling	White Pekins	Ducklings	150	8250	14250	Distributed to farmers

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
March 2023	20	5	--
Total :	20	5	

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
No. of staff quarters:06
Date of completion: 2012
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI*
April	√	√	√	√		
May	√	√	√	√		
June	√	√	√	√		
July	√	√	√	√		
August	√	√	√	√		
September	√	√	√	√		
October	√	√	√	√		
November	√	√	√	√		
December	√	√	√	√		
January	√	√	√	√		
February	√	√	√	√		
March	√	√	√	√		

* Needs major repairing

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Contingency	State Bank of India	Main Road, Jharsuguda	11346748214
Revolving Fund	State Bank of India	Main Road, Jharsuguda	30938306848

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	
Groundnut 10 ha	--	1.2	-	1.2	Nil

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Greengram 10 ha	--	0.90	--	0.90	Nil

2019.5. Utilization of KVK funds during the year 2022-23 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	8470000	8470000	6948744
2	Traveling allowances	110000	110000	110000
3	Contingencies			
H		2378800	2377600	2377600
I				
J	Swachhta Expenditure	17250	16950	16950
TOTAL (A)		**10958800**	**10957600**	**10957600**
B. Non-Recurring Contingencies				
1	IT	50000	50000	50000
2	Equipment & Furniture	45000	45000	45000
3	Library	10000	10000	10000
4	Works	400000	400000	400000
5	Tractor	750000	750000	750000
TOTAL (B)		**1255000**	**1255000**	**1255000**
C. REVOLVING FUND		-	-	-
GRAND TOTAL (A+B+C)		12213800	12212600	12212600

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019-20	100000	92961	124944	100000
2020-21	100000	305408	81324	73075
2021-22	73075	601659	574334	100000
2022-23	100000	248542	198542	150000

7.6. (i) Number of SHGs formed by KVKs-Nil
(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

- Promotion of income generation activities and providing technical support

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
World Soil day	1	Rabi 2022-23 (05.12.2022)	Agriculture department, Jharsuguda	--	Yes
Exposure Visit	2	Rabi 2022-23	Agriculture department, Jharsuguda	--	Yes
Diagnostic Field Visit for BPH incidence	4	Kharif 2022	Agriculture department, Jharsuguda	--	--
Celebration of Millet Day	1	Rabi 2022-23	Agriculture department, Jharsuguda	--	--

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
BPH	Paddy	November	112	14	90
Rhizome Rot	Ginger	October-December	22	40	15
Wilt in Solanaceous crop	Potato, Tomato and Brinjal	November and December	42	28	16

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)
FMD	Cattle	August	14	128	--

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	3	25000
Livestock	2	
Fishery		
Weather	1	
Marketing		
Awareness		
Training information		
Other	2	
Total	8	24200

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	*1152*
2.	No. of farmers registered in the portal	--
3.	Mobile Apps developed by KVK	--
4.	Name of the App	--
5.	Language of the App	--
6.	Meant for crop/ livestock/ fishery/ others	--
7.	No. of times downloaded	--

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken
In 1st week of every month	Cleaning of office, campus and farm
Observation of Swachhata Pakhwada	Awareness campaign , meeting and cleaning

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	31	
2. Basic maintenance	12	4500
3. Sanitation and SBM	8	950
4. Cleaning and beautification of surrounding areas	16	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	18	16000
6. Used water for agriculture/ horticulture application	-	
7. Swachhta Awareness at local level	12	
8. Swachhta Workshops	--	
9. Swachhta Pledge	--	
10. Display and Banner	6	
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)	4	
14. No of Staff members involved in the activities	10	
15. No of VIP/VVIPs involved in the activities	--	
16. Any other specific activity (in details)	--	
Total	**117**	

9.6. Observation of National Science day

Date of Observation	Activities undertaken
--	--

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
--	--	--

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

9.9. Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door 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		

9.10. Details of Swachhta Hi Suraksha programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness programme	5	120-	--	--

9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Training programme organized	1	25	--	--

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.	N. Sarita	At-Bhursimal, Block-Kolabira Mob no.9809808990	IFS model
2.	Sri Ashok Naik	At-Durlaga, Jharsuguda Mob no.9938564313	IFS model
3.	Sri SusantaNaik	At-Ghantamal,Block-Kolabira Jharsuguda Mob no.9777468457	Integrated Farming
4.	Sri DuryadhanSahu	At- Kureimal, Block-Lakhanpur Mob no.8260596362	Banana cultivation
5	Sri Narsingha Patel	At-Ghantamal, Block-Kolabira Jharsuguda, Mob no.9777468457	Sweet corn and Sunflower cultivation
7.	Smt. Nalini Patel	Village- keldamal,Block-kolabira Dist- Jharsuguda768202 Mob no. 668172971	Banana Cultivation
8	Smt. Sarojini Bhainsal	Village- Saletikra,Block-Jharsuguda Dist- Jharsuguda-768202 Mob no. 8658678466	Pond based IFS model
9.	Ms. Sunita Naik	Village- Talpatia,Block-Jharsuguda Dist- Jharsuguda-768202 Mob no. -9438047109	Mushroom and Mushroom spawn production
10	Sri Saroj Sahu	Village- Tharkaspur,Block-Jharsuguda Dist- Jharsuguda-768202 Mob no. -7683967227	Vegetable production
11	Sri Mitrabhanu Patel	Village- Gudigaon,Block-Jharsuguda Dist- Jharsuguda-768202 Mob no. - 9556899125	IFS model

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
2011	CRIDA, Hyderabad	Not Functioning

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Odisha	Jharsuguda	Disease and pest management, drought management	7	95	Diagnostic visit, field visit to the disease affected area of crop . Advisory to livestock management and crop management, Rhizome rot management in Ginger

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)						

11. Details of TSP

a. Achievements of physical output under TSP during 2022-2023

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	

No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2022-23 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2022-2023

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2022-2023

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T

12. 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	

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	

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	

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	

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Best Farmer award	Sri Lotan Sahu	2022	OUAT, Bhubaneswar	--	Floriculture

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

15. 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

16. 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	Mango Progeny Nursery	0.6	Graft	12000	--	--	--
2	Mango Orchard	1.0	Mango (8q)	35000	16000	16	--
3	Mixed fruit orchard	0.2	Guava (1 q)	18000	2000	06	--
4	Poultry unit	-	Chicks	50602	93050	7	--
5	Vermicompost unit	6 Unit	Vermicompost and vermin	8290	15000	15	--

17. 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	Cultivation of	Cultivation of Cow pea, var-	72000	32	

	Cow pea, var-KasiKanchan	KasiKanchan			
2	FLD on Paddy variety Pratikshya	INM in paddy	42000	125	
3	Demonstration on potato var. K. Jyoti	INM in Potato-	68000	70	
4	Rearing of Vanaraja poultry	Vaccination of Vanaraja Bird rearing 50 Chicks /6 month	420/bird	74	
5	Cultivation of of Greengram var. IPM-02-14	INM in Greengram IPM-02-14	22000	108	
6	FLD on Paddy variety Sahabhagidhan	Weed management in paddy by application of Pretilachlor 1250 ml/ha within 48 hr of transplanting or Post emergence application of Bispyribac sodium @ 250ml /ha.	24000	112	
7	FLD on Paddy variety Pratikshya	Weed Management In Paddy, Pre emergence application of Pretilachlor@1250ml/ha or Post emergence Bispyribac sodium @ 250ml /ha	40000	580	

18. 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)	--	--	January 2018	All line department officials of Jharsuguda with chairmanship of DDA, Jharsuguda	➢ Farmer interaction ➢ Group discussion ➢ Meeting
II (up-to 24.04.218)	356	7820			
Total	356	7820			

19. Information on Visit of Ministers to KVKs, if any

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

20. a) Information on ASCI Skill Development Training Programme, if undertaken during 2022

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		

b) Information on Skill Development Training Programme (Other than ASCI or less than 200 hrs., if any) if undertaken during 2022

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	
Income generation	Vermicomposting	40										75000

21. Information on NARI Project (if applicable) NA

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
-	-	-	-	-	-	-

22. Information on Krishi Kalyan Abhiyan Phase-III, if applicable .**NA**

a) Training achievements

Name of KVK	***Period***	***No. of Training on diversified farming practices for doubling farmers' income organized***	***No. of farmers trained***	
			Male	***Female***
	01.01.2022 to 31.12.2022			

b) Other achievements

Sl. No.	**Particulars**	**January, 2022 to December, 2022**
1	Number of demonstrations other than oilseeds and pulses	
2	Number of demonstrations on oilseed crops	
3	Number of demonstrations on pulse crops	
4	Number of farmers trained	
5	Number of participants in Extension activities	
6	Number of farmers for Mobile Advisory	
7	Production of seeds (in quintal)	
8	Production of planting material (Number)	
9	Number of soil sample tested	
10	Number of farmers covered in Climate Resilient villages	
11	Number of farm families covered in Farmer FIRST project	
12	ARYA project: Number of youth trained	
13	ARYA project: Number of entrepreneurial activities started	
14	Number of farm families in DFI villages	

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
-	-	-	-	-	-

Sr. Scientist & Head
KVK, Jharsuguda

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

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