ANNUAL REPORT 2022 (January-December 2022)
KVK, Ganjam-II

1. GENERAL INFORMATION ABOUT THE KVK

KrishiVigyan Kendra, Ganjam-II was established by ICAR in June 2012 under the control of OUAT at Ratanpur farm. At present it is operating in new location at Golanthara, block- Rangeilunda. It is surrounded by Kandhamal in the North-West, Nayagarh in the North, Khurda in the North-East, Gajapati district in the West and Bay of Bengal in the South-East. On its Southern periphery the district borders the state of Andhra Pradesh. Ganjam district is broadly divided into two divisions spreading over an area of 8206.0 Sq.km. The plains lies between the Eastern Ghats and the Bay of Bengal. Since the hills are close to the sea, the rivers flowing from hills are not very long and are subject to sudden floods. The plains are narrow because of the absence of big rivers. The coastal plains in the east contain more fertile and irrigated lands. The south eastern portion is fertile. Ganjam economy is predominantly agrarian. Around 80 percentage of the population depends on agriculture and allied activities. The long sea and Chilika coast line is a source of rich marine products and lime shells. Ganjam is a major salt producing district in the state.

KVK serves as the knowledge hub and resource centre of agricultural technologies for the farmers of the district. It operates as per mandates of ICAR for the upliftment of socio-economic condition of the farming community. Ganjam-II is the 2nd Krishi Vigyan Kendra of Ganjam district and lies between $19^0$4' to $20^0$17' Latitude and $84^0$7' to $85^0$12' Longitude

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

Address	Telephone		E mail
	Office	FAX	
KrishiVigyan Kendra, Ganjam-II At: Golanthara; P.O: Golanthara; Berhampur; Dist: Ganjam; Odisha – 761008	09937789325		kvkganjam2.ouat@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture and Technology **Bhubaneswar -751003Orissa**			

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr (Mrs.) Susmita Mohanty		09937789325	susmitamohant46@gmail.com

1.4. Year of sanction of KVK:2012

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 (Mrs.) Susmita Mohanty	Sr. Scientist & Head	Home Sc	79800-211500 Rs. 104100	21.05.2018	Permanent	Others
2	Subject Matter Specialist	Sri Sasank Lenka	Scientist (Extension.)	Agril. Extension	57700-182100 Rs. 77500	01.7.2016	Permanent	Others
3	Subject Matter Specialist	Sri Debasis Sarangi	Scientist (Soil Sc.)	Soil Sc	57700-182100 Rs. 87200	01.09.2012	Permanent	Others
4	Subject Matter Specialist	Smt Sushree Choudhury	Scientist (Hort.)	Horticulture	57700-182100 Rs. 87200	13.6.2012	Permanent	Others
5	Subject Matter Specialist	Sri Sidhartha Sankar Das	Scientist (Fishery)	Fishery Sc.	57700-182100 Rs. 79800	23.6.2012	Permanent	Others
6	Subject Matter Specialist	Mrs Kabita Mishra	Scientist (Agronomy)	Agronomy	15600-39100,GP-6000 Rs.19810	12.05.2015	Permanent	Others
7	Subject Matter Specialist	Mr Sandeep Mohanty	Scientist (Plant Protection)	Plant Protection	15600-39100,GP-6000 Rs. 22220	12.06.2018	Permanent	Others
8	Programme Assistant							
9	Computer Programmer	Sri Bhakti Ranjan Palai	Prog. Asst.(Comp.)	Computer Sc.	35400-112400 Rs. 55200	18.06.2012	Permanent	Others
10	Farm Manager	Sri Rabi Sankar Mishra	Farm Manager	Plant Protection	35400-112400 Rs. 47600	08.06.2021	Permanent	Others
11	Accountant / Superintendent							
12	Stenographer	Sri Saubhagya Ranjan Das	Steno–cum-Comp. Operator	-	25500-81100 Rs. 30500	15.02.2014	Permanent	Others
13.	Driver	Sri Simanchal Sahu	Driver-cum-Mechanic	-	19900-63200 Rs. 28400	04.07.2012	Permanent	Others
14.	Driver	Sri Rabi Narayan Mohapatra	Driver-cum-Mechanic	-	19900-63200 Rs. 26800	30.05.2018	Permanent	Others
15.	Supporting staff	Sri Bisia Pradhan	Peon-cum-Watchman	-	16600-52400 Rs. 22900	07.10.2013	Permanent	Others
16.	Supporting staff							

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.73
2.	Under Demonstration Units	2
3.	Under Crops	11
4.	Orchard/Agro-forestry	2
5.	Others with details	-
	Total	15.73

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	-	-	-	√	-	267.28	-	ICAR
2.	Farmers Hostel	√	-	-	-	-	300	-	ICAR
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing				-	Completed	-	-	RKVY
6	Rain Water harvesting structure								
7	Threshing floor								
8	Farm godown								
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others,Please Specify								

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Tractor	2016	529345	385 hrs	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Soil Equipment	2017	85400	Running	ICAR
Lab equipment for Home Sc	2018	50000	Running	ICAR
b. Farm machinery				
c.AV Aids				
Pico projector	2017	17467	Running	ICAR
Handy Cam	2018	31000	Running	ICAR
Camera	2018	23500	Running	ICAR
Projector	2017	38858	Running	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Power Operated	2017	15238	Running	ICAR
Gaured tiller	2016	96900	Running	ICAR
HP pump	2017	65918	Running	ICAR
Accemor	2017		Running	ICAR
MB plough	2017		Running	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.	17.12.2022	35	New generation pesticides should be used in aphid management in marigold, vegetable, etc.	▪ Demonstration on the application of Flonicamid@ 6gm/ 15 lit of water thrice in 15 days interval for control of aphids in marigolds and vegetables have been taken up. ▪ Soil drenching by neem cake @2.5 qt/ha. ▪ Application of Pymetrozine 250 g/ha. ▪ Villages covered- 5 (Govindanagar, Golanthara, Nandika, Ambagaon and Balipada) ▪ Flower Yield -FP-93q/ha, RP-105q/ha(Pest incidence decrease 23% ▪ No of farmers covered: 28 nos ▪ Area covered- 8.35 ha ▪ KMAs- 5	

2			Joint visit records must be maintained with department officials	▪ Joint visits with line department official have been conducted during disease pest incidence, selection of beneficiaries in schemes, verification of projects and assessment of yield or losses. ▪ No of visit : 27 nos.	
3			Protein content of the rice must be analyzed in bio-fortified rice varieties	▪ Biofortified rice var. CRDHAN-310& CRDHAN-311 have been sent for analysis of its protein content. ▪ Villages covered- 4 (Kutharsingh, Kishorechandrapur, Padripalli , Giria) ▪ No of farmers covered: 17 nos ▪ Area covered- 3 ha ▪ KMAs- 5 and Short video-2 nos	
4			Organic farming and natural farming practices should be included in programme.	▪ Awareness cum training on natural farming i.e preparation and use of Bijamruta, Jivamruta, Panchagabya, and Handikhata has been conducted in villages. ▪ Demonstration on organic cultivation of vegetables has been taken up in farmer's field. ▪ Vermicompost production using poly vermipit has been demonstrated in backyard. ▪ Villages covered- 11 (Nandiigaon, Badagaon, Kharanipada, Nuagaon, Talaharidabadi, Jharapalli, Hinjiligaon, Kishorechandrapur, Mahisanpur, Medinipur and Sinhala) ▪ Area covered- 13 acres. ▪ SHG groups- 4 ha. ▪ Farmers covered- 68. ▪ KMA-6	
5			TARA farmers should be covered under poultry demonstration .	▪ Under demonstration on low input backyard poultry (Vanaraja, Kadaknath, Chabbro,	

				RIR and Kalingabrown) , TARA farmers are included . ▪ Villages covered - 6 (Giria, Sunapur , Hinjiligaon, Gobindanagar, Kanisi, Sanabiswanathpur) ▪ No of farmers covered: 23 nos.	
6			Nutritional garden must be popularized for seed production purpose	▪ Demonstration on kitchen garden for nutritional security of farm families has been taken up. ▪ Trainings on vegetable seed and planting material production have been imparted. ▪ Villages covered- 5 nos. (Nandika, Badagaon, Medinipur, Kusumi, Maisanpur) ▪ Training conducted- 4 ▪ No of farmers covered: 42 nos ▪ KMAs- 5	
7			New pulse crop should be taken up in KVK campus(Black gram var. OBG-41) should be taken into the programme	▪ With the availability of seed, demonstration on Black gram var. OBG-41 will be conducted in KVK instructional farm after the rice seed production programme. ▪ Black gram var. Sashi (OBG-33) has been demonstrated under the CFLD programme Kharif 2022 with an average yield – 4.21 q/ha. ▪ Greengram var. Virat has been taken up with average yield – 4.8 q/ha. ▪ Villages covered- 6 nos. (Kusapada, Siripur, Kolipentha, Narayanpur, Badalpahada and Padripalli) ▪ Area covered- 20 ha ▪ KMA- 3	
8			Farm pond (IFS model) should be developed	▪ About 32 nos. of IFS units have been strengthened with technological support from KVK.	

				▪ Training conducted- 7 nos. ▪ Villages covered- 18 (Govindanagar, Golanthara, Nandika, Ambagaon, Balipada, Rangailunda-T. Berhampur, Giria, Padripali, Kukudakhandi-Nistipur, Sumandi, Sukunda, Pallinabhapur, Hinjali, Sasanpadar, Dayapalli, Santoshpur) ▪ No of farmers covered: 32 nos ▪ Area covered- 8.16 ha . ▪ KMAs- 8, Video – 5 nos.	
9			Intercropping programme must be included in OFT & FLD	▪ Demonstration on ICM packages in intercropping of maize+ cow pea, Mango + turmeric/ginger, Chilli+ Knolkhol, cowpea + knolkhol has been taken up in villages ▪ Villages covered- 5 (Badakharida, Kulihala, Jagannathpur, Kharanipada and Padadiki) ▪ No of farmers covered: 78 nos ▪ Area covered- 10.8 ha ▪ KMAs- 5 and video – 2nos.	
10			Training on spawn production should be at KVK	▪ Training on mushroom spawn production was piloted in convergence mode with OLM and TATA STEEL ▪ Training conducted by KVK: 4 nos. ▪ No of trainees : 302 nos.(CRP, Anganwardi worker , SHGs, F/Fw)	
11			Training & demonstration should be included for skill development of farm women	▪ Skill training on preparation of dry fish, Fish pickle and value-added product. ▪ Planting material production ▪ Preparation of organic inputs like Handi khata, Bijamruta, Jibamruta & fish tonic	

				▪ Villages covered- 10 (Govindanagar, Golanthara, Ambagaon, Balipada, Kulihala, Mahisanpur, Haripur, Kharanipada, Nandigam, Nuagam) ▪ No of farmers covered: 213 nos ▪	
12			Programme on fodder cultivation should be included	▪ Demonstration on package and practices of hybrid Napier has been taken up in farmer's field. ▪ Villages covered- 3(Giria, Jagannathpur, Medinipur) ▪ Beneficiaries included- 17 ▪ Area -2.5 ha ▪	
13			Livelihood activities should be taken up	▪ Skill training on planting material production, flower cultivation, high-value vegetable cultivation, value addition of fish etc. are taken up in adopted villages. ▪ Training conducted-3 nos. ▪ Villages covered- 9 (Mahisanpur, Balipada, Giria,Jharapalii, Hinjiligaon, Bhikaripali, Chatrapur, Talaharidabadi, Kutharsingh) ▪ No of farmers covered: 102 nos ▪ KMAs- 5 ▪	
14			Awareness & demonstration on under exploited vegetables has to be included in KVK program.	▪ Demonstrations on package and practices for cultivation of Desi onion (yield-154q/ha), Sankha saru (yield-143q/ha) , Ghia kunduri(yield-86 q/ha), Desi kankada ((yield-143q/ha)) and elephant foot yam((yield-143q/ha) has been taken up in farmers field . ▪ No of farmers-58 ▪ Area covered- 23 ha ▪ Villages covered- 42 villages ▪ KMAs- 4	

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

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

<table>
<tr><th>Sl. no.</th><th>Item</th><th>Information</th></tr>
<tr><td>1</td><td>Major Farming system/enterprise</td><td>Paddy-pulse (Green gram, Black gram)
Paddy- groundnut
Paddy-Vegetables (Solanaceous , Cole crops and cucurbits)
Floriculture –vegetable –apiculture
Vegetable- vegetable (Kharif tomato, radish, Cauliflower-Vegetables)
Paddy - mustard
Paddy + vegetable + Fishery +Duckery
Ground nut- pulses
Pulses-Vegetable
Paddy + fodder + Diary + goatery
Mango + Spices (Ginger and turmeric) +Poultry
Agriculture-horticulture –mushroom- poultry -
Ragi + Pulse
Maize-Vegetable
Paddy-Mustard-Vegetable (Tomato)
Paddy- Fallow</td></tr>
<tr><td>2</td><td>Agro-climatic Zone</td><td><u>East & South Eastern Coastal Plain Zone</u></td></tr>
<tr><td>3</td><td>Agro ecological situation</td><td>East and South East Coastal Plain zone
<table>
<tr><th>Agro-Ecological Situation</th><th>Name of the Blocks covered</th></tr>
<tr><td>1. Coastal Irrigated Alluvium</td><td>Chikiti, Rangailunda, Chatrapur, Ganjam</td></tr>
<tr><td>2. RainfedAlluvium</td><td>Patrapur, Chikiti, Rangailunda</td></tr>
<tr><td>3. Coastal Alluvial Saline</td><td>Chikiti, Ranhgailunda, Chatrapur, Ganjam, Khallikote</td></tr>
<tr><td>4. Rainfed Laterite</td><td>Patrapur, Kukudakhandi, Sanakhemundi, Chatrapur, Hinjili, Khallikote, Polsara, Kodala, Kabisuryanagar</td></tr>
<tr><td>5. Rainfed Red and Laterite</td><td>Chikiti, Kukudakhandi, Hinjili, Khallikote, Sanakhemundi, Rangailunda, Digapahandi, Purusottampur, Kabisuryanagar</td></tr>
<tr><td>6. Mixed Black & alluvium</td><td>Ganjam, Chhtrapur</td></tr>
</table></td></tr>
<tr><td>4</td><td>Soil type</td><td>East & South Eastern Coastal Plain Zone
i) Alluvial soil-71000 ha
ii) Red soil -232000ha
iii) Saline soil -26000 ha</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds,</td><td>Paddy- 43 q/ha , Maize: 27 q /ha, Greengram- 8 q / ha , Blackgram-15 q/ha
Brinjal- 129 000mt),Tomato: 56870 mt</td></tr>
</table>

	vegetables, fruits and others	Cauliflower
6	Mean yearly temperature, rainfall, humidity of the district	***Temperature*** Maximum: 34^0 C, Minimum: 18.9^0 C ***Normal rainfall :*** 1295.6 mm
7	Production of major livestock products like milk, egg, meat etc.	

Note: Please give recent data only

Area, Productivity & production of Major crops of Ganjam district

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

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

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

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Chhatrapuhr	Chhatrapur	Rajanapalli	Rice, Maize, Pigeonpea, Greengram, Blackgram, Sesamum, Ground nut,Vegetable	• Severe weed incidence in paddy • Blast disease in paddy • Low yield in arhar • Use of traditional verities of green gram • Improper nutrient management green gram	• Varietal substitution • weed management • Pest & diseases management • Integrated nutrient management • Targeting rice fallow
2	Chhatrapuhr	Rangeilunda	Putipadar	Rice,Sugarcane, Blackgram, Greengra m, Mustard, Sesamum	• Severe weed incidence in paddy • Low yield in mustard • Use of traditional verities of green gram • Improper nutrient management green gram	• weed management • Pest & diseases management • Integrated nutrient management • Targeting rice fallow • Varietal substitution
3	Chhatrapuhr	Ganjam	Jharapadar	Rice, Maize, Pigeonpea, Greengram, Blackgram, Sesamum, Ground nut,Vegetable	• Severe weed incidence in paddy • Low yield in arhar • Use of traditional verities of green gram • Improper nutrient management green gram	• weed management • Pest & diseases management • Integrated nutrient management • Targeting rice fallow • Varietal substitution
4	Berhampur	Patrapur	Narayanpur	Rice, Blackgram, Green gram, Groundnut	• Severe weed incidence in paddy • Use of traditional verities of green gram	• weed management in rice • Pest & diseases management

					• Improper nutrient management in green gram	• Integrated nutrient management • Targeting rice fallow • Varietal substitution
5	Berhampur	Chikit	Panada	Rice, Greengram, Blackgram, Sesamum, Vegetable	• Use of traditional verities of green gram • YMV infection in green gram • Severe weed incidence in paddy	• weed management in rice • Pest & diseases management • Integrated nutrient management • Targeting rice fallow • Varietal substitution
6	Berhampur	Rangelunda	Sanabiswanathpur	Rice, Greengram, Blackgram, Sesamum, Vegetable	• Use of traditional verities of green gram • YMV infection in green gram • Severe weed incidence in paddy	• weed management in rice • Pest & diseases management • Integrated nutrient management • Targeting rice fallow • Varietal substitution

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2021-22) for its development and action plan

Name of village	Block	Action taken for development
Chhatrapur	Rajanapalli	OFT, FLD, Training, field day, diagnostic field visit
Rangeilunda	Putipadar	OFT ,FLD, Training, field day, diagnostic field visit
Ganjam	Jharapadar	OFT ,FLD, Training, field day, diagnostic field visit
Patrapur	Narayanpur	OFT ,FLD, Training, field day, diagnostic field visit
Chikit	Panada	OFT ,FLD, Training, field day, diagnostic field visit
Rangelunda	Sanabiswanathpur	OFT ,FLD, Training, field day, diagnostic field visit

2.1 Priority thrust areas

S. No	Thrust area
1.	Crop diversification and intercropping
2.	Integrated Nutrient management.
3.	Varietal replacement of field and horticultural crops.
4.	Integrated crop management.
5.	Integrated pest management
6.	Integrated disease management.
7.	Integrated weed management.
8.	Production of quality seeds, seedlings and planting materials
9.	Off-season vegetable cultivation
10.	Market led production strategies
11.	Women empowerment through Income Generating Activities
12.	Promoting Nutritional and Kitchen gardening
13	Breed up gradation of farm animals and poultry
14	Production of organic inputs
15	Nursery raising and management
16	Cultivation of High value & commercial crops
17	Post-harvest technology and value addition
18	Dairy and livestock management
19	Drudgery reduction for farm women
20	Group formation and management of groups
21	Integrated fish farming
22	Fry and fingerling rearing
23	Dairy and livestock management.
24	Popularization of dual purpose bird Banaraja, poultry vaccination to prevent diseases.

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	
11	11	150	30	22	21	24	44	9	95	55	150	20	20	250	30	20	36	16	114	34	180	70	250	

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	
99	99	2090	377	262	24	64	906	497	1349	746	2090	550	568	38289	6450	6580	5199	4526	8320	7214	19969	18320	38289	

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		

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
150q	150q	2.5	2.5

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0.50	0.50	500	500

* 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							
Seminar/conference/ symposia papers							
Books	6	3000					
Bulletins							
News letter	1	500					
Popular Articles	6	6000					
Book Chapter							
Extension Pamphlets/ literature							
Technical reports	25	25					
Electronic Publication (CD/DVD etc)	7	7					
TOTAL	45	9532					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	**Assessment of foliar application of growth regulator on chilli**
2.	Problem diagnosed	Low yield due to heavy flower drop and poor fruit set
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: No application of growth regulator TO1 - Spray of NAA @ 10mg/lit of water at 60 and 90 days after planting increases plant height, number of branches , reduced the premature flower drop and increase number of fruits per plant TO2- Spray of Triacontanol @ 1.25ml/liter at 20, 40 & 60 and 80th days of planting increases fruit set percentage and yield
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1:RCER-ICAR, Patna,2013 TO2: OUAT annual report, 2014
5.	Production system and thematic area	Crop management
6.	Performance of the Technology with performance indicators	No. of flowers/plant, No. of fruits /plant, Yield of fruits/plant
7.	Final recommendation for micro level situation	Spray of NAA growth regulator @ 10mg/lit of water increases the number of fruits per plant by 16 % and yield increases by 21%.
8.	Constraints identified and feedback for research	No application of growth regulator in chilli leads to heavy flower drop and poor fruit set. Spraying of growth regulator with proper dose at 60 and 90 days after planting is necessary to reduce flower drop
9.	Process of farmers participation and their reaction	Training, Group discussion /

Thematic area:

Problem definition: Low yield due to heavy flower drop and poor fruit set

Technology assessed: Assessment of foliar application of growth regulator on chilli

Table:

Technology option	No. of trials	**Yield (q/ha)**	**% increase in Yield**	**Number of fruits/plant**	**Gross cost (Rs/ha)**	**Gross return (Rs/ha)**	**Net return (Rs/ha)**	**B:C Ratio**
FP	7	136.7	-	74.2	209455	478450	268995	2.28
T O_1	7	165.8	21.3	88.5	216530	580300	363770	2.68
T O_2	7	159.5	16.7	82.7	215650	558250	342600	2.59

OFT-2

1.	Title of On farm Trial	**Assessment of foliar application of biostimulants on growth and flowering of African marigold**
2.	Problem diagnosed	Low productivity and poor quality flowers of marigold
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : No application of growth regulator T O_1 :Spray of Seaweed extract @ 1% at 30,45,60 DAT T O_2 :Spray of humic acid @ 0.2 % at 30,45,60 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report ICAR-DFR 2015-16 Annual report , TNAU, 2016-17
5.	Production system and thematic area	Crop management
6.	Performance of the Technology with performance indicators	No. of branches per plant**,** Days taken for flower bud appearance, No. of flowers per plant, Shelf Life (days)
7.	Final recommendation for micro level situation	By spray of humic acid @ 0.2 % at 30,45,60 days after transplanting the 1st flower comes 12 days earlier and yield increases by 24%.
8.	Constraints identified and feedback for research	No application of growth promoter in marigold leads to low flower productivity. Spraying of growth regulator with proper dose at 30,45,60 days after planting is necessary to enhance the flower quality and yield
9.	Process of farmers participation and their reaction	Training, Group discussion /satsifactory

Thematic area:

Problem definition: Low productivity and poor quality flowers of marigold

Technology assessed: Assessment of foliar application of biostimulants on growth and flowering of African marigold

Table:

Technology option	No. of trials	**Flower Yield (q/ha)**	**% increase**	**Time taken to 1st flower(days)**	**Gross cost**	**Gross return**	**Net return**	**B:C Ratio**
F.P	7	112.74		62.24	186900	450840	263940	2.41
T O_1	7	133.57	18.47	48.45	193579.70	534280	340700.30	2.76
T O_2	7	140.42	24.56	40.37	195582.20	589764	394181.80	3.01

OFT-3

1.	Title of On farm Trial	**Assessment of integrated nutrient management on growth and yield of papaya**
2.	Problem diagnosed	Low fruit yield due to imbalanced use of nutrients
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Application of chemical fertilizer NPK (200:200:200 g/plant)+FYM @1kg/plant T O_1 : Application 300-300-300 g NPK/plant with micronutrient formulation dose 2ml/litre 2 sprays at 15 days interval during 5th month of planting & 1 spray at fruit setting and spray after 12 months of planting, T O_2 : 75% STBF (NPK) + vermi-compost @ 4 t/ha + Azotobacter@4kg/ha + PSM@4 kg/ha
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Technical Bulletin IIHR,2009 Annual Report, OUAT, 2012-13
5.	Production system and thematic area	INM

6.	Performance of the Technology with performance indicators	Plant height and girth, number of fruits per plant, soil test value (before planting and after harvesting)
7.	Final recommendation for micro level situation	By application of 75% STBF (NPK) + vermi-compost @ 4 t/ha + Azotobacter@4kg/ha + PSM@4 kg/ha increases yield by 29%
8.	Constraints identified and feedback for research	Imbalanced use of nutrients leads to poor flowering and low fruit yield. Application of STBF+ vermi-compost+ Azotobacter + PSM increases flowering , fruit set per plant and increases yield
9.	Process of farmers participation and their reaction	Training, Group discussion/ satisfactory

Thematic area:

Problem definition: Low fruit yield due to imbalanced use of nutrients

Technology assessed: Assessment of integrated nutrient management on growth and yield of papaya

Technology option	No. of trials	**Yield (q/ha)**	**% increase in Yield**	**Days after 1st flower approval**	**Gross cost**	**Gross return**	**Net return**	**B:C Ratio**
FP	7	256.5	-	151.4	180630	384750	204120	2.13
TO_1	7	323.7	26.2	146.7	188200	485550	297350	2.58
TO_2	7	339.1	28.7	144.2	191950	508650	316700	2.65

OFT-4

1.	Title of On farm Trial	**Assessment of integrated nutrient management in betel vine**
2.	Problem diagnosed	Low leaf quality and yield due to poor nutrient management
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Application of N-P_2O_5-K_2O (100:50:50) + Mustard Oil Cake (MOC) @ 3 q /ha TO_1: STBF (50%NPK) + MOC @ 1.5 t/ha + Vermicompost (VC) @ 10 t/ha Source : AICRP on MAP and betel vine, 2012-13

		TO_2 STBF (50%NPK) +MOC @ 1.5 t/ha + Vermicompost (VC) @ 10 t/ha + consortia of azotobacter, azosprillum and PSB each @ 4 kg/ha inoculated to 300 kg VC, mixed with 15 kg lime incubated at 30 % moisture for a week and applied in the rhizosphere.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on MAP and betel vine, 2012-13
5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	Yield, B:C ratio
7.	Final recommendation for micro level situation	Application of STBF (50%) +MOC @ 1.5 t/ha + Vermicompost (VC) @ 10 t/ha + consortia of azotobacter, azosprillum and PSB each@ 4kg increases the yield by 36 %.
8.	Constraints identified and feedback for research	Imbalanced use of nutrients leads to poor leaf quality and low yield. Application of STBF+ vermi-compost+ consortia biofertiliser +MOC increases leaf quality and yield
9.	Process of farmers participation and their reaction	Training, Group discussion/ satsifactory

Thematic area:

Problem definition: Low leaf quality and yield due to poor nutrient management

Technology assessed: Assessment of integrated nutrient management in betel vine

Technology option	No. of trials	**Yield (**No. of leaves/ha**)**	**% increase in Yield**	Hundred leaf weight(g)	**Gross cost**	**Gross return**	**Net return**	**B:C Ratio**
FP		11,96,390	-	242.6	160050	358917	198867	2.42
TO_1	7	15,12,595	26.4	265.2	175200	453778	278578	2.59
TO_2	7	16,23,980	35.7	276.5	176400	487194	310794	2.76

OFT-5

1.	Title of On farm Trial	**Assessment of YMV management in Papaya**
2.	Problem diagnosed	Leaf discoloration , Stunted growth & low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Spraying of Imidachloprid@ 200ml/ha. T O_1-Application of Thiomethoxam 25%WG @ 200gm/ ha twice at 15 days interval T O_2-Soil application of Neem cake @ 2.5q/ha and foliar application of Flonicamide 50%WG@ 200gm/ha of water twice at 15 days interval.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TNAU, Annual report 2015-16, OUAT,2017-18
5.	Production system and thematic area	IPM
6.	Performance of the Technology with performance indicators	No.of affected plant/m2 Additional income over additional investment ,Yield (q/ha), B:C ratio ,
7.	Final recommendation for micro level situation	Soil application of Neem cake @ 2.5q/ha and foliar application of Flonicamide 50%WG@ 200gm/ha enhance the yield by 27% and YMV reduced by 43%
8.	Constraints identified and feedback for research	Only chemical spray could not control YMV. Soil application of Neem cake along with spray of chemical Flonicamide controls YMV and enhance the yield
9.	Process of farmers participation and their reaction	Training, Group discussion/ satsifactory

Thematic area:

Problem definition: Leaf discoloration , Stunted growth & low yield

Technology assessed: Assessment of YMV management in Papaya

Technology option	No. of trials	**Yield (q/ha)**	**% increase in Yield**	**Affected plant/100m2**	**% YMV reduced**	**Gross cost**	**Gross return**	**Net return**	**B:C Ratio**
FP	7	213.5	-	16		167500	320250	**152750**	**1.91**
TO_1	7	267.6	25.3	11	31.2	169060	401400	**232340**	**2.37**
TO_2	7	277.9	27.8	9	43.7	177400	444640	**267240**	**2.51**

OFT-6

1.	Title of On farm Trial	**Assessment of chemical management of Die back in Chilli**
2.	Problem diagnosed	Low yield due to dieback
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : No seed treatment T O_1 - Seed treatment with Vitavax @ 2g/ kg of seed and application of Difenconazole 25 EC @ 1ml/lt of water from initial disease appearance twice at 10 days interval. T O_2 - Seed treatment with T.viridae@ 2.5g/ kg of seed and application of Pyraclostrobin 20 WG @ 1gm/lt of water from initial disease appearance twice at 10 days interval
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual Report, OUAT, 2015 University of Agricultural sciences, Dharwad, Karnataka, 2015
5.	Production system and thematic area	IDM
6.	Performance of the Technology with performance indicators	Die back incidence % /m2,Cost of intervention. Additional income over additional investment ,Yield (q/ha), B:C ratio,

7.	Final recommendation for micro level situation	Seed treatment with T.viridae@ 2.5g/ kg of seed and application of Pyraclostrobin 20 WG @ 1gm/lt of water enhance the yield by 21% and dieback reduced by 50%
8.	Constraints identified and feedback for research	No seed treatment in chilli causes die back disease, Seed treatment with T.viridae and application of Pyraclostrobin 20 WG at right stage is necessary to reduce dieback and enhance yield
9.	Process of farmers participation and their reaction	Training, Group discussion/ satsifactory

Thematic area:

Problem definition: Low yield due to dieback

Technology assessed: Assessment of chemical management of Die back in Chilli

Technology option	No. of trials	**Yield (q/ha)**	**% increase in Yield**	**No. of plants affected/100m2**	**% Die back reduced**	**Gross cost**	**Gross return**	**Net return**	**B:C Ratio**
FP	7	131.5		16		208115	460250	252135	2.21
TO_1	7	154.6	17.6	11	31.1	213850	541100	327250	2.53
TO_2	7	160.4	21.9	8	50.0	214195	561400	347205	2.62

OFT-7

1.	Title of On farm Trial	**Assessment of different Parasiticidal agents in controlling external parasites in grow-out carp culture system**
2.	Problem diagnosed	Indiscriminate use of Organic fertiliser and environmental temperature variation leads to infestation of external crustacean parasites.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP :Application of synthetic pyrethroids like cypermethrin 10% EC / deltamethrin 2.8% EC/ Formalin T O_1 : Ivermectin 2% w/w in feed @250 ppm & fed to the fishes for 4-5 days T O_2 : Ivermectin 2% w/v in pond water @ 200ml/Acre-m

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIFA, 2015-16 COF (OUAT)-2018-19
5.	Production system and thematic area	Production and management
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	Both the application in pond and with feed controls argulosis
8.	Constraints identified and feedback for research	Both the Avermectin group application methods are at par in controlling Argulous in Pond, but **no killing of zooplankton occurs** in case of **Ivermectin application in feed or in pond.**
9.	Process of farmers participation and their reaction	Satisfactory

Thematic area:

Problem definition: Indiscriminate use of Organic fertiliser and environmental temperature variation leads to infestation of external crustacean parasites.

Technology assessed: Assessment of different Parasiticidal agents in controlling external parasites in grow-out carp culture system

Technology option	**No. of trials**	**Yield Parameter**				**Water parameters**			**Gross Return Rs/ha**	**Net Return Rs/ha**	**BC Ratio**
		Yield q/ha	**% of infestation**	**% of Recovery**	**% change in yield**	**pH**	**Plankton (ml)**	**DO**			
FP	7	24.75^{a}±2.15	62.29^{a}	46.35^{a}		7.80	2.20	5.6	260000	110000	1.73
TO_1	7	29.68^{bc}±2.15	74.67^{bc}	82.33^{bc}	19.91	7.80	2.30	5.7	315000	149000	1.89
TO_2	7	31.19^{b}±2.15	70.20^{b}	89.33^{b}	26.02	8.00	2.20	5.8	330000	174300	2.12

OFT-8

1.	Title of On farm Trial	**Assessment of genetically improved Catla spawns for maximizing fry production in nursery tanks**
2.	Problem diagnosed	Less initial growth rate of Catla spawns in nursery tanks encourages predation by insects, thus leads to poor survival and final low yield of fry
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Normal Catla spawns with traditional Nursery Rearing T O_1 : Normal Catla spawns with Recommended Practice T O_2 : Improved Catla Spawn with traditional Nursery Rearing T O_3 :Improved Catla Spawn with Recommended Practic

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CIFA – 2018
5.	Production system and thematic area	Production and Management
6.	Performance of the Technology with performance indicators	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio
7.	Final recommendation for micro level situation	GI catla with more meat percentage can be recommended for farmers
8.	Constraints identified and feedback for research	Net weight gain in GI catla is highest in TO3 with recommended practice, where as there is no significant difference between TO1 and TO2. But in general the growth of GI catla is more than the normal catla
9.	Process of farmers participation and their reaction	Satisfactory

Thematic area:

Problem definition: Less initial growth rate of Catla spawns in nursery tanks encourages predation by insects, thus leads to poor survival and final low yield of fry

Technology assessed: Assessment of genetically improved Catla spawns for maximizing fry production in nursery tanks

Technology option	No. of trials	**Yield Parameter**					**NWG (g) in 28 days**	**Gross return Rs/ha**	**Net Return Rs/ha**	**BC Ratio**
		Survival (%)	**Avg Body Wt (g)**							
			7th day	**14th day**	**21st day**	**28th day**				
FP	5	33.83[a]	0.24[a]	0.66[a]	1.08[a]	1.76[a]	3.74[a]	212000	72000	1.51
T O_1	5	41.61[b]	0.28[b]	0.68[a]	1.11[a]	1.83[b]	3.90[b]	238000	93000	1.64
T O_2	5	39.28[b]	0.30[b]	0.68[a]	1.16[b]	1.87[b]	4.01[b]	250000	107000	1.74
T O_3	5	45.47[c]	0.33[c]	0.72[b]	1.20[c]	1.92[c]	4.17[c]	271000	122500	1.82

OFT-9

1.	Title of On farm Trial	**Assessment on management of competitor moulds in paddy straw mushroom**	
2.	Problem diagnosed	No control of moulds	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Pre-soaking of straw for 10 to 12 hours with no management for moulds. **T O 1**:Treatment of pre-soaked paddy straw for 10 to 12 hours in boiling water **T O2** :Pre soaking of paddy straw bundle with 0.02% of bleaching powder for 6 hours Source AICRP on mushroom, CTMRT, OUAT, Bhubaneswar,2014) **T O 3** :Presoaking of Paddy straw with 1% calcium carbonate for 6 hours (Source-ACRIP on mushroom, CTMRT, OUAT, Bhubaneswar,2014)	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ACRIP on mushroom, CTMRT, OUAT, Bhubaneswar,2014	
5.	Production system and thematic area	Homestead & Mushroom production	
6.	Performance of the Technology with performance indicators	Intensity of coprinus spp.(%) FP :36 T O 1 :28 T O2 :21 T O 3 :8	Yield in kg/bed FP :0.61 T O 1 : 0.8 T O2 :0.94 T O 3 :1.1
7.	Final recommendation for micro level situation	Intensity of *coprinus sp.* is lowest in paddy straw mushroom bed by the use of presoaked paddy straw with 1% calcium carbonate for 6 hours	
8.	Constraints identified and feedback for research	It is observed that presoaking of paddy straw with 1% calcium carbonate for 6 hours controls inkcap mould in paddy straw mushroom	
9.	Process of farmers participation and their reaction	This technology is low cost, feasible and appreciated by the farmers	

Thematic area:

Problem definition: No control of moulds

Technology assessed: Assessment on management of competitor moulds in paddy straw mushroom

Technology option	No. of trials	**Intensity of coprinus spp.(%)**	**Yield in kg/bed**	**Yield range**	**Gross return**	**Net return**	**B:C Ratio**
FP	10	36	0.61	0.46-0.85	109	44	1.67
TO_1	10	28	0.8	0.43-0.92	135	60	2.25
TO_2	10	21	0.94	0.86-1.23	169	104	2.6
TO_3	10	8	1.1	0.95-1.2	198	133	3.04

OFT-10

1.	Title of On-farm Trial	**Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability**
2.	Problem diagnosed	Unorganised farmers and low prices of farm produce
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Farmers marketing their produce through intermediaries (30 F) TO_1: FPO dealing with a single commodity with a single task i.e., Only Vegetable-Marketing (30 F) TO_2: FPO dealing with multi-commodity with a single task i.e., Pulses and Vegetable-Marketing (30 F) TO_3: FPO dealing with multi-commodity with multi-task i.e., Pulses and Vegetable with sorting, grading, packing and marketing (30 F)

4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Centre for Innovation in Science and Social Action (CISSA), Kerala, 2018
5.	Production system and thematic area	Market-led extension
6.	Performance of the Technology with performance indicators	FPO dealing with multi-commodity with multi-task is performed better than all (TO_3>TO_2 > TO_1 > FP)
7.	Final recommendation for micro-level situation	FPO dealing with multi-commodity with multi-task i.e., Pulses and Vegetable with sorting, grading, packing, leveling and marketing performed better than TO2 > TO1 > FP
8.	Constraints identified and feedback for research	Farmer selling through intermediaries losing their profit margin. Similarly, the single commodity having the risk but multi commodities having low risk due to multifarious activities. So multi commodities with single task or multi task is fetches more profitability towards sustainability.
9.	Process of Farmer's Participation and their reaction	Satisfactory

Thematic area:

Problem definition: Unorganised farmers and low prices from farm produce

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

Farmer's Opinion on Statement	Percentage	FP	TO1	TO2	TO3	MS	Rank
A farmer interested to become a member	%	46.67	66.67	73.33	86.67	75.56	II
Contribution to share capital	%	43.33	60.00	73.33	83.33	72.22	IV
Better business planning in FPO	%	43.33	60.00	66.67	86.67	71.11	V
Easy to produce the crops	%	46.67	63.33	66.67	93.33	74.44	III
Easy to manage the portfolio	%	46.67	56.67	63.33	86.67	68.89	VI
Easy to sell produce	%	43.33	66.67	73.33	93.33	77.78	I
Better marketing of produce (collective)	%	46.67	63.33	70.00	90.00	74.44	III
Farmer's Participation in FPO	%	40.00	60.00	70.00	83.33	71.11	V

Title of FPO with address	Contact Person with contact details	Date of formation	Turn over during last 3 years	Type of commodities	No of members and Meeting status	Annual profit
Bhairabi Women Agro Producer Company Ltd.	Mr Binaya Kumar Bisi At- Palli Street Kankorda, Sanakhemundi, Ganjam-761144, PhNo- 7981671236	26.08.2016	2020-21 - Rs. 17 lakhs 2021-22- Rs. 14 lakhs 2022-23 – Rs 35 lakhs	Rice, Pulses, Spices and Processing	1250	10 lakhs
Arabinda Pulse & Millets Farmers Producer Company Ltd.	Mr Ajaya Gouda Ganjam Ph No- 8763736131/ 8260909140	17.08.2016	2020-21- Rs . 15 lakhs 2021-22- Rs. 20 lakhs 2022-23 – Rs 25 lakhs	Pulses	1200	8 lakhs
Smartech Farmers Producer company Ltd	Rabindra Behera Chikarda, Ganjam District Mob-8847828066	07.8.2021	2021-22 – Rs 7 lakhs 2022-23 – Rs 5 lakhs	Vegetables	300	1 lakh

OFT-11

1.	Title of On-farm Trial	**Assessment of the effectiveness of different extension methods to access information on rice production**
2.	Problem diagnosed	Poor accessibility of information on technical knowledge/advisory on rice production. District-specific rice area in the farming situation- 45 thousand ha.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Farmers getting information from the peer group, input dealers, extension functionaries, mass media and, KMA (30F) TO_1: Delivering need-based technology through Video lecture followed by focus group discussion along with traditional existing extension methods would provide need-based information, skill and objective clarification through FGD, along with the traditional existing mechanism of transfer of technology (FP + Short Video Lecture+ Focus Group discussion / Clarification session) (30 F) TO_2: Providing timely & need-based information to farmers regarding a situation-specific rice variety, crop management, farm machinery, nutrient and pest management, post-

		harvest management, etc., through rice XpertApp along with the traditional existing mechanism of transfer of technology (FP + Using of ”riceXpert” App.) (30 F)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NRRI, Cuttack, 2017
5.	Production system and thematic area	Poor accessibility to accurate and timely information on technical knowledge/advisory on rice production
6.	Performance of the Technology with performance indicators	Using the”riceXpert” App. performed better than TO1-FP + Short Video Lecture+ Focus Group discussion / Clarification session) and FP
7.	Final recommendation for micro-level situation	Using the”riceXpert” App. by farmers will get timely and need-based accurate information on rice production technologies to accelerate their production and their income.
8.	Constraints identified and feedback for research	”riceXpert” App. need to be updated time to time for the betterment of the farming community. Newly released variety to be uploaded with yield attributes and other basic parameters need to be highlighted in the APP.
9.	Process of farmers participation and their reaction	Satisfactory

Thematic area:

Problem definition: Poor accessibility of information on technical knowledge/advisory on rice production, District-specific rice area in the farming situation

Technology assessed: **Assessment of the effectiveness of different extension methods to access information on rice production**

Observation Parameters	Percentage	FP	TO1	TO2	MS	Rank
Timely availability of information	%	43.33	76.67	86.67	68.89	I
Delivery of technology	%	46.67	73.33	76.67	65.56	III
Suitability of technology	%	46.67	73.33	76.67	65.56	III
Easy of handling the extension method	%	43.33	73.33	73.33	63.33	IV
Retention and retrieval of information	%	46.67	66.67	70	61.11	V

Change in knowledge	%	46.67	76.67	76.67	66.67	II
User-friendly extension method	%	36.67	63.33	73.33	57.78	VII
Watching short video	%	33.33	73.33	73.33	60.00	VI
Focus Group Discussion	%	0	66.67	76.67	47.78	VIII
Using RiceXpert App	%	0	0	83.33	27.78	IX

Results:

Please provide all the OFTs in same format

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.	Tuberose	INM	Demonstration on INM on growth, yield and quality of tuberose	2	2	1	2	-	-		4	3	7	10	
2.	Bitter gourd	INM	Demonstration on influence of micronutrient on yield attributes of bitter gourd	2	2	4	1		1		3	1	7	10	

3.	Pointed gourd	Crop management	Demonstration on trellies system in pointed gourd for higher production	2	2	3	2		1	1	2	1	6	10	
4.	Onion	Crop management	Demonstration on application of herbicide against weed flora in onion	2	2			4	1		4	1	8	10	
5	Okra	INM	Demonstration on integrated nutrient management in okra	2	2	5		3		2				10	
6	Brinjal	INM	Demonstration on consortia biofertiliser application in brinjal	2	2	4		2		4				10	
7	Onion	INM	Demonstration on application of sulphur in onion	2	2	2		1		7				10	
8	Chilli	INM	Demonstration on integrated nutrient management in chilli	2	2					10				10	
9	Rice	Crop management	Demonstration on IPM packages for BPH control in Rice	2	2	2				8				10	
10	Ragi	Crop management	Demonstration of Blast disease management practices in kharif Ragi	2	2	2		1		7				10	
11	Beetle vine	IDM	Demonstration of Integrated disease management practices for Collar rot in Beetle vine	2	2	4		2		4				10	

12	Cauliflower	IPM	Demonstration on management of Diamond back moth in Cauliflower	2	2	-		-		10				10	
13	Fish	Production management	Demonstration on yearlings production	2	2	3		4		3				10	
14	Fish	Production management	Demonstration on use of floating fish feed for yield enhancement in pisciculture	2	2					10	-	10	-	10	
15	Fish	Production management	Demonstration of CIFTEQ™ fish descaling machine	2	2	5	-	-	-	5	-	10	-	10	
16	Poultry	Backyard poultry	Demonstration on low input poultry breed Bhejaguda in Backyard	2	2	-	-	-	-	10	-	10	-	10	
17	Fish	Production management	Demonstration on use of Probiotic for enhanced pond productivity	2	2	10	-	-	-	-	-	10	-	-	
18	Allied fields	Short video technology	Demonstration of the effectiveness of short technology videos on technology adoption	2	2	-	-	-	-	30	-	30	-	-	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal	No. of rainy days
				N	P_2O_5	K_2O					
Tuberose	Kharif, 2022 (year I)	Irrigated , medium land, floriculture-floriculture cropping system	Sandy clay loam	196.2	15.1	160.5	Tuberose	8.6.2022	6.10.2022		
Bitter gourd	Rabi, 2022-23 (Year-I)	Irrigated-medium land, rice-vegetable cropping system	Sandy loam	130.7	11.06	123.6	Brinjal	30.10.2022	19.1.2023		
Pointed gourd	Rabi 2022-23 (year I)	Irrigated medium land , Vegetable – vegetable cropping system	Sandy loam	202.1	14.8	224.6	Tomato	24.11.2022	29.2.2023		
Onion	Rabi, 2022-23 (year-I)	Irrigated-medium land , Vegetable – vegetable cropping system	Sandy loam	144.6	12.1	152.9	Rice	16.12.2022	05.02.2023		
Okra	Kharif, 2022 (Year-I)	Rainfed/ medium land, vegetable-vegetable cropping system	Sandy loam	138.3	13.9	152.3	Chilli	13.8.2022	19.10.2022		
Brinjal	Kharif, 2022 (Year-II)	Rainfed/ medium land, vegetable-	Sandy Clay Loam	148.7	14.3	155.4	Tomato	19.7.2022	15.10.2022		

		vegetable cropping system									
Onion	Rabi, 2022-23(Year-I)	Irrigated medium land, vegetable-vegetable cropping system	Sandy loam	152.5	13.1	157.9	Rice	10.12.2022	02.02.23		
Chilli	Rabi 2022-23 (Year-I)	Irrigated medium land, Rice-vegetable - vegetable cropping system	Sandy loam	146.2	11.4	145.3	Rice	15.11.2022	17.02.2023		
Rice	Kharif, 2022(year-II)	Rainfed, low Land	Sandy Clay Loam	139.7	11.9	140.8	Greengram	02.08.2022	15.12.2023		
Ragi	Kharif - 2022 (Year-I)	Rainfed medium land	Sandy loam	160.5	9.8	141.3	Greengram	27.07.2022	4.11.2023		
Beetle vine	Kharif – 2022(Year I)	Irrigated medium land	Sandy loam	154.6	13.8	129.4	Beetle vine	12.09.2022	continuing		
Cauliflower	Rabi, 2022-23 (year – I)	Irrigated medium land	Sandy loam	136.2	11.3	124.3	Tomato	15.09.2022	7.11.2023		
Fish	Round the year, 2022(II)	Rainfed/irrigated	Clay-loam	-	-	-	-	16.08.2022	23.02.2023		
Fish	Rabi 2022-23 (**Year-II)**	Rain-fed/Irrigated	Clay-loam				Fish	10.09.2022	25.03.2023		
Fish	Round the year, 2022-23(I)	Rainfed/irrigated/ Seasonal Farm Pond	-	-	-	-	Hand de-scaling	-	-		

Poultry	Rabi-2022-23	**B**ackyard	Backyard	-	-	-	Desi bird	10.10.2022	17.03.2023		
Fish	Year Round 2022-23 (Year-I)	Rain-fed/Irrigated	Laterite	-	-	-	Fish	12.07.2022	15.09.2023		
Allied fields	Year round (kharif/Rabi) 2022-23	Irrigated, Medium land									

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

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

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

Pulses

Frontline demonstration on pulse crops

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

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tuberose	INM	Demonstration on INM on growth, yield and quality of tuberose	10	0.4	5.32	4.18	27.4 %	36.75 (No. of floret / spike)	30.47	162305	478800	309005	2.95	149285	376200	226915	2.52
Bitter gourd	INM	Demonstration on influence of micronutrient on yield attributes of bitter gourd	10	1	176.20	145.15	21.37	26.60 (No. of fruits /vine)	18.20	75520	211440	135926	2.8	67100	154376	87256	2.3

Pointed gourd	Crop management	Demonstration on trellies system in pointed gourd for higher production	10	1	211.5	171.2	23.53	8 (Fruit rot/plant)	47	156650	423000	266350	2.70	136000	291940	189353	2.14
Onion	Crop management	Demonstration on application of herbicide against weed flora in onion	10	1	152.7	120.2	27.03 %	680.42 (Total no. of weed/m2)	184.65	104945	305400	200455	2.91	135280	240400	105120	1.77
Okra	INM	Demonstration on integrated nutrient management in okra	10	1	139.5	108.6	28.5	12.8 (Number of fruits/plant)	10.6	110250	279000	168750	2.53	101500	217200	115700	2.14
Brinjal	INM	Demonstration on consortia biofertiliser application in brinjal	10	1	251.2	197.6	27.1	12.5 (Number of fruits/plant)	9.7	196250	502400	306150	2.56	180900	395200	214300	2.18
Onion	INM	Demonstration on application of sulphur in onion	10	1	159.8	126.5	26.3	77.3g (Onion weight)	52.5g	122450	287640	165190	2.35	112580	227700	115120	2.02

Chilli	INM	Demonstration on integrated nutrient management in chilli	10	1	158.4	124.3	27.4	118.2 (Number of fruits/plant)	91.6	208455	554400	345945	2.66	202500	435050	232550	2.15
Rice	IPM	Demonstration on IPM packages for BPH control in Rice	10	2	42.7	36.1	18.2	0 (No. of BPH/hill)	11	64015	96030	32015	1.99	51460	75420	28860	1.87
Ragi	IDM	Demonstration of Blast disease management practices in kharif Ragi	10	2	18.12	11.74	54.3	32 (no of affected plants/100m)^2	4	26,872.00	59,705.00	32833.00	2.22	21,348.00	38,683.00	17335.00	1.81
Beetle vine	IDM	Demonstration of Integrated disease management practices for Collar rot in Beetle vine	10	0.4	13,47,275 (No of leaves /ha)	10,69,265 (No of leaves /ha)	26	27(Affected leaf per plant)	8	139373	404182	264809	2.9	135924	320778	184854	2.2
Cauliflower	IDM	Demonstration on management of Diamond back moth in Cauliflower	10	1	232.4	187.5	24	630.5Curd weight (g)	410	122451.30	348600	226148.7	2.9	117187.50	281250	164062.5	2.4

Allied fields	Short Video Technologies on Rice production	Demonstration of the effectiveness of short technology videos on technology adoption	60	12	43	36	19.44			48670	79898	31228	1.64	48217	71212	22995	1.47
	Total																

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry		Demonstration on low input poultry breed Bhejaguda in Backyard	10	10													
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology 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
Fish Carp		Demonstration on yearlings production	5	5	33.27	25.82	28.85			170500	357000	186500	2.09	128000	230000	102000	1.79
Fish Carp		Demonstration on use of floating fish feed for yield enhancement in pisciculture	5	5	41.46	30.65	26.07			150000	312000	162000	2.08	114300	202500	88200	1.77
Marine Fish		Demonstration of CIFTEQ™ fish descaling machine	10	10	95±4.06 % of scale removed	98±3.43 % of scale removed	-	18-20 Kg/hr	10-12 Kg/hr	-	-	-	-	-	-	-	-
Fish carp		Demonstration on use of Probiotic for enhanced pond productivity	5	5	34.92	25.78				182000	380000	198000	2.08	119500	212000	92500	1.77
Others (pl. specify)																	
	Total																

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

** BCR= GROSS RETURN/GROSS COST

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
	Total															

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

Women empowerment

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

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

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

Demonstration details on crop hybrids

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

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

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Tuberose	The yield enhanced by 27% through application of 75% N (Urea) + 25% N (mustard oilcake)
2	Bitter gourd	Foliar application of B and Zn @ 100 ppm each at 30-35 days after sowing. Increases the number of fruits per vine and yield enhanced by 21%
3	Pointed gourd	By Bower type trellies system the fruit rotting reduced and yield enhanced by 23%
4	Onion	By application of herbicide oxyfluorfen 23.5% EC before planting and two hand weeding at 30 and 60 days after transplanting reduced the total no of weed/m2 by 73% and yield enhanced by 27%
5	Okra	Application of STBF and lime@0.20LR enhanced the okra yield by 28 %
6	Brinjal	Application of STBF and OUAT consortia bio-fertilisers enhanced the yield by 27 %
7	Onion	Application of STBF along with sulphur @ 30 kg/ha enhanced the yield by 26 %
8	Chilli	Application of STBF along with of Azospirillum @ 5kg/ha enhanced the yield by 27%
9	Rice	Flonicamid & pymetrozin are new generation pesticide which successfully control BPH in rice
10	Ragi	Prochloraz 26.25% + Tricyclazole 22.5% SE .was successfully control the blast disease in ragi.
11	Beetle vine	Application of Tebuconazole & T.viridae successfully control the collar rot disease and yield enhanced by 26% in beetle vine
12	Cauliflower	Spraying of Azadiractin 5% @200ml/ha at the time of flowering and spraying of Novaluron 10 % EC + Emamectin benzoate 5% EC @ 200g/haenhanced the yield by 24%
13	Fish	Higher yield of 33.27q/ha obtained with a better survival rate of 65% due to good management practice. Yearling cost more (Rs. 5-7/Seed) realized, and farmers are more happy to do Yearling production in their farm pond
14	Fish	Higher yield of 41.46q/ha obtained with a better BC ratio of 2.08 along with net return of Rs. 162000/ha obtained due to application of floating fish feed (CP-24) and good management practice.

15	Fish	Gained knowledge and skill about Fish de-scaling machine. Big size fish such as Carps are not suitable, rather small fishes with deciduous scale are easily removed. Time saving, safety and ease in operation.
16	Poultry	Farmers are interested to rear Bhejaguda poultry as suits to our climatic condition and more remunerative in comparison to local poultry
17	Fish	Alternate application of Soil & Water probiotic with the maintenance of optimum water Quality yields better than farmers practice. Hence both Soil and Water probiotic application at the recommended dose is advised
18	Allied fields	Short videos created more than 77% awareness among the farmers

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
Horticulture					
1.	Field days	29.8.2022, 23.9.2022 4.11.2022, 20.12.2022	4	20*4=80	4 no.of field day conducted under different FLDs of horticulture discipline
2.	Farmers Training	31.5.2022, 28.9.2022, 27.10.2022, 3.11.2022, 18.10.2022 & 19.10.2022 12.12.2022 & 13.12.2022	4 2	25*4=100 15*2=30	04 nos of F/FW trg under FLD programme 02 nos of RY trg under FLD programme
3.	Media coverage	15.7.2022, 3.11.2022	2	Mass	E-Tv Annadata Prog
4.	Training for extension functionaries	13.03.2023 ,16.03.2023	2	2*10=20	2 nos IS training
Soil Science					
1.	Field days	23.8.2022, 9.9.2022 17.11.2022, 3.12.2022	4	15*4=60	4 no.of field day conducted under different FLDs of Soil Science discipline
2.	Farmers Training	22.7.2022 , 27.9.2022 2.12.2022, 4.1.2023 6.10.2022 & 7.10.2022	4 2	25*4=100 15*2=30	04 nos of F/FW trg under FLD programme 02 nos of RY trg under FLD programme

		8.12.2022 & 9.12.2022			
3.	Media coverage	12.8.2022, 17.11.2022	2	Mass	E-TV Annadata Programme
4.	Training for extension functionaries	10.03.2023 , 21.03.2023	2	2*10=20	2 no.In- service trainings
Plant Protection					
1.	Field days	26.08.2022, 7.9.2022 , 23.11.2022 , 8.12.2022	4	20*4=80	4 no.of field day conducted under different FLDs of horticulture discipline
2.	Farmers Training	10.5.2022, 06.6.2022 02.9.2022, 12.10.2022 27.10.2022 8.9.2022 & 9.9.2022 22.12.2022 & 23.12.2022	5	25*5=125 15*2=30	05 nos of F/FW trg under FLD programme 02 nos of RY trg under FLD programme
3.	Media coverage	10.5.2022, 27.5.2022, 28.6.2022,2.9.2022	4	Mass	E-Tv Annadata Prog
4.	Training for extension functionaries	14.03.2023 , 15.03.2023		2*10=20	2 nos IS training
Fishery					
1.	Field days	6.5.2022, 17.6.2022 15.09.2022, 5.12.2022	04	20*4=80	04 nos Field days Organised
2.	Farmers Training	22.7.2022,30.8.2022, 12.10.2022, 22.11.2022, 22.12.2022	05	25*5=125	05 nos of F/FW trg under FLD programme
3.	Media coverage	18.5.2022, 25.5.2022, 5.12.2022	03	Mass	E-Tv Annadata Prog
4.	Training for extension functionaries	17.3.2023, 22.3.2023		2*10=20	2 nos IS training
Home Sc					
1	Field days	26.08.2022	01	20	1 no.of field day conducted under FLD

2	Farmers Training	20.5.2022, 23.5.2022, 7.6.2022	03	25*3=75	03 nos of F/FW trg under FLD programme
3	Media coverage	18.05.2022, 07.09.2022 5.12.2022, 31.3.2023	04	Mass	E-Tv Annadata Prog
4	Training for extension functionaries				
Extension					
1	Field days	11.11.2022 14.02.2023	2	100	02 nos Field days Organised
2	Farmers Training	13.05.2022, 27.05.2022, 09.06.2022, 22.08.2022 11.01.2023	5	125	05 nos of F/FW trg under FLD programme
3	Media coverage	10.05.2022,28.06.2022 20.07.2022, 14.09.2022 15.11.2022, 08.12.2022 .	6	Mass	E-Tv Annadata Prog
4	Training for extension functionaries	09.03.2023 18.03.2023	2	20	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2022 and Rabi 2021-22:

CLUSTER FRONTLINE DEMONSTRATION OF KHARIF PULSES (2022) PERFORMANCE DATA

1. **Name of KVK: Ganjam-II**
2. **Year of establishment: 2012**
3. **Host Institution: Orissa University of Agriculture & Technology**
4. **Address: At/Po. Golanthara/Gobindapur**
5. **District: Ganjam-II**
6. **State: Odisha**
7. **Performance of the demonstration:**

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (q/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	BLACKGRAM	Local	3.6	4.8	5.4	10	Improved seeds (*Shashi*), Seed treatment with (*Trichoderma Viridae*) @ 5gm/kg seed, foliar spraying of N-P-K(19-19-19) @25kg/Ha & spraying of boom flower @ 2ml /lit of water for better flower and growth, Spraying of Neem Oil @2.5ml/lit to prevent the insect & pest, Spraying of broad-spectrum neonicotinoid insecticide Thiamethoxam @ 15gml/lit for control of sucking pests & other	25	10	4.90	3.52	4.21	-	-	-

							insects, Spraying of Profenofos 50% EC@ 2 ml/ lit of water for controlling aphid, whiteflies, milli bug/leaf folder problems & use of pro supper gunny bag for storage of seeds								

Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1	Improved seeds (*Shashi*), Seed treatment with (*Trichoderma Viridae*) @ 5gm/kg seed, foliar spraying of N-P-K(19-19-19) @ 25kg/Ha & spraying of boom flower @ 2ml/lit water for better flower and growth, Spraying of Neem Oil @2.5ml/lit to prevent the insect & pest, Spraying of broad-spectrum neonicotinoid insecticide Thiamethoxam @ 15gm/lit for control of sucking pests & other insects, Spraying of Profenofos 50% EC@ 2 ml/lit of water for controlling aphid, whiteflies, milli bug/leaf folder problems & use of pro supper gunny bag for storage of seeds.	17800	29700	11900	1.66	20900	43200	22300	2.06

B. 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	Blackgram *(Shashi*)	8900	404	60	1180	650	Farmers utilized the income for their future farm activities	29

C. Pulse Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (With name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Improved seeds (*Shashi*), Seed treatment with (*Trichoderma Viridae*) @ 5gm/kg seed, foliar spraying of N-P-K(19-19-19) @ 25kg/Ha & spraying of boom flower @ 2ml/lit water for better flower and growth, Spraying of Neem Oil @2.5ml/lit to prevent the insect & pest, Spraying of	Suitable to the existing farming system	*Shashi* was preferred by the farmers & effective control of weeds, diseases & pest	70%	Weed infestation during initial stage	The HYV & pest control technology were accepted by all the beneficiaries in the group	It is suggested to cultivate this variety in Rabi to obtain its potential yield & timely availability of seed

	broad-spectrum neonicotinoid insecticide Thiamethoxam @ 15gml/lit for control of sucking pests & other insects, Spraying of Profenofos 50% EC@ 2 ml/lit of water for controlling aphid, whiteflies, milli bug/leaf folder problems & use of pro supper gunny bag for storage of seeds**.**						

D. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
OBG 33 (Shashi) Resistant to powdery mildew & YMV disease	Seed colour : Green, Seed shape: Round to Cylindrical, 100 seed wt. : 3.91 g. & Plant Height: 50-59 CM	Average 17.05 % increase over local check.	Farmers are interested to cultivate the variety in future due to higher yield than local & resistant to some disease than local. But, due to heavy rainfall crop is partially damaged.

E. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmers attended
1.	Training	-	25
2.	Field Day	-	25

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

BLACKGRAM

SEED DISTRIBUTION

GROUP DISCUSSION

SOWING OF SEED

FIELD DAY

TIME OF HARVESTING

TRAINING

9. Farmers' training photographs

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

11. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Blackgram Kharif 2022	i) Critical input		81950.00	
	ii) TA/DA/POL etc. for monitoring		3000.00	
	iii) Extension Activities (Field Day)		2400.00	
	iv)Flex + Misc		1450.00	
	V.) Audit charge		1200.00	
	Total	**90,000.00**	**90,000.00**	**Nil**

12. List of Farmer under CFLD (Crop wise)

a) Crop (Blackgram)

Farmer's Name	Father's name	Village	Block	Adhar No	GPS Coordinates (DDMMSS format)		Soil testing done (Yes/No)	Recommendations based on soil test value	Technology	Variety	Seed quantity used (Kg)	Demo. Yield (q/ha)			Yield of local check q/ha	% Increase
					ongitude	Latitude						H	L	A		
K. Jagadish	K.Lingaraj	Siripur	Chikiti	9556076905	9.236105	84.497867	Yes	DAP – 87 kg/ha, Urea- 20 kg/ha MOP – 33.5 k/ha	Seed treatment with (*Trichoderma Viridae*) @ 5gm/kg seed, foliar spraying of N-P-K(19-19-19) @25kg/Ha & spraying of boom flower @ 2ml/lit water for better flower and growth, Spraying of	OBG 33 (Shashi)	10	6.8	3	4.9	3.6	36.11
K. Kantikeshar	K.Harishchandra	Siripur	Chikiti	8658078158	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	6.5	3.1	4.8	3.6	33.33
Kakiri Ramesh	K.Jagadish	Siripur	Chikiti	9438389391	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	6.9	3.9	5.4	3.6	50.00
K.Jaganath	K.Mohindra	Siripur	Chikiti	7894931138	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	6.3	4	5.15	3.6	43.06
K. Gokula	K.Trinath	Siripur	Chikiti	7077638489	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	6.7	4	5.35	3.6	48.61
K.Rushia	K.Trinath	Siripur	Chikiti	8917575890	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	5.4	3.5	4.45	3.6	23.61
K. Shankar	K.Debraj	Siripur	Chikiti	7077144562	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	5.2	3.5	4.35	3.6	20.83
K. Santoshi	B.Patra	Siripur	Chikiti		9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	5.4	3.5	4.45	3.6	23.61
Badya Rashmita	Badya Sanyashi	Siripur	Chikiti	7609036258	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	5.4	3.5	4.45	3.6	23.61

K.Sangita	K. Ganesh	Siripur	Chikiti	9438351766	9.236105	84.497867	Yes	-do-	Neem Oil @2.5ml/lt to prevent the insect & pest, Spraying of broad-spectrum neonicotinoid insecticide Thiamethoxam @ 15gml/lit for control of sucking pests & other insects, Spraying of Profenofos 50% EC@ 2 ml/ lit of water for controlling aphid, whiteflies, milli bug/leaf folder problems & use of pro supper gunny bag for storage of seeds.	OBG 33 (Shashi)	10	5.4	3.5	4.45	3.6	23.61
P.Amar kumar	P.Balamadhab	Siripur	Chikiti	8984818360	9.236105	84.497867	Yes	-do-		OBG 33 (Shashi)	10	5.3	3.5	4.4	3.6	22.22
Indra Pradhan	Punia Pradhan	Kulipentha	Chikiti		9.223602	84.489271	Yes	DAP – 108 kg/ha, Urea- 12 kg/ha MOP – 33.5 k/ha		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Sharat Patra	Dibakara Patra	Kulipentha	Chikiti	7008302441	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Narasingha Pradhan	Sarathi Pradhan	Kulipentha	Chikiti	9114485545	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Sarathi Patra	Sibaram Patra	Kulipentha	Chikiti	8658078158	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Niranjan Pradhan	Narasingha Pradhan	Kulipentha	Chikiti	8260651624	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Hari Pradhan	Patini Pradhan	Kulipentha	Chikiti	8658078176	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Sarada Patra	Subash Patra	Kulipentha	Chikiti	8260432204	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Ramesh Muli	Bhagata Muli	Kulipentha	Chikiti	8984146031	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Sitaram Muli	Bhagata Muli	Kulipentha	Chikiti	6305221675	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Saraswati Sethi	Malu Sethi	Kulipentha	Chikiti	8456945987	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Kuresh Patra	Tarini Patra	Kulipentha	Chikiti		9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Bhaskar Pradhan	Trinath Pradhan	Kulipentha	Chikiti	8458030977	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Mrudubhasini Padhi	Narasingha Padhi	Kulipentha	Chikiti	78949394833	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56
Nilachal Padhi	Narasingha Padhi	Kulipentha	Chikiti	9114485545	9.223602	84.489271	Yes	-do-		OBG 33 (Shashi)	10	4.1	3.5	3.8	3.6	5.56

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	1	15	3	18	2	1	3	4	0	4	17	8	25
Nursery raising	1	11	7	18	3	0	3	4	0	4	19	6	25
Exotic vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Export potential vegetables	1	18	7	25	0	0	0	0	0	0	18	7	25
Grading and standardization													
Protective cultivation													
Others													
Total (a)	4	62	24	86	5	1	6	8	0	8	72	28	100
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	11	7	18	3	0	3	4	0	4	19	6	25
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	1	11	7	18	3	0	3	4	0	4	19	6	25
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Total (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	1	8	3	11	6	2	8	0	6	6	14	11	25
Processing and value addition													
Others													
Total (f)	1	8	3	11	6	2	8	0	6	6	14	11	25
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	38	9	50	3	0	3	0	0	0	41	9	50
Integrated water management	3	31	02	33	18	12	30	07	05	12	56	19	75
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	12	6	18	3	0	3	4	0	4	19	6	25
Balance Use of fertilizer													
Soil & water testing													
others													
Total	6	81	17	101	24	12	36	11	5	16	116	34	150
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Animal Nutrition Management													
Disease Management													
Feed & fodder technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Others													
Total													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition													
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total													
VI. Agril. Engineering													
Farm machinery & its maintenance													
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	1	16	4	20	2	3	5				18	7	25
Integrated Disease Management	4	55	27	82	11	3	14	3	1	4	69	31	100
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others	1	17	4	21	2	2	4				19	6	25
Total	6	88	35	123	15	8	23	3	1	4	106	44	150
VIII. Fisheries													
Integrated fish farming	4	60	19	79	12	3	15	4	2	6	55	20	100
Carp breeding and hatchery management	2	28	6	34				10	6	16	38	12	50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	6	88	25	113	12	3	15	14	8	22	93	32	150
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production	1	11	7	18	2	1	3	4	0	4	17	8	25
Apiculture													
Others	2	38	9	50	3						41	9	50
Total	3	49	16	68	5	1	3	4	0	4	58	17	75
X. Capacity Building and Group Dynamics													
Leadership development	2	38	9	50	3						41	9	50
Group dynamics													
Formation and Management of SHGs	1	18	4	22	3		3				21	4	25
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others	3	31	02	33	18	12	30	07	05	12	56	19	75
Total	6	87	15	105	24	12	33	7	5	12	118	32	150
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	33	474	142	625	94	39	127	51	25	76	596	204	825

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Protected cultivation of vegetable crops													
Commercial fruit production	1	10	4	14	1	0	1				11	4	15
Integrated farming	1	7	4	11	3	1	4				10	5	15
Seed production													
Production of organic inputs													
Planting material production													
Vermiculture													
Mushroom Production													
Beekeeping	1	11	0	11	4	0	4				15	0	15
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition	1	10	1	11	4	0	4				14	1	15
Small scale processing													
Post Harvest Technology	1	12	0	12	3	0	3				15	0	15
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													
Safe use of pesticides , new generation on pesticides	3	28	8	36	6	3	9				34	11	45

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	4	9	20	29	0	25	25	0	6	6	9	51	60
Total	12	87	37	124	21	29	50	0	6	6	108	72	150

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	2	12	8	20							12	8	20
Integrated Pest Management	2	10	10	20							10	10	20
Integrated Nutrient management	1	5	5	10							5	5	10
Rejuvenation of old orchards													
Protected cultivation technology	2	10	10	20							10	10	20
Production and use of organic inputs	1	5	5	10							5	5	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													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other (Agril. Extension)	3	10	15	25	3	2	5	0	0	0	13	17	30
Total	11	52	53	105	3	2	5	0	0	0	55	55	110

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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Micro irrigation/irrigation													
Seed production													
Nursery management													

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 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													
Off season vegetables	1	15		15	3	7	10				18	7	25
Nursery raising	1	6	4	10	6	9	15				12	13	25
Exotic vegetables													
Export potential vegetables													
Grading and standardization													
Protective cultivation													
Others													
Total (a)	2	21	4	25	9	16	25	0	0	0	30	20	50
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	22	3	25							22	3	25
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others													
Total (b)	1	22	3	25							22	3	25
c) Ornamental Plants													
Nursery Management	1	5	4	9	12	4	16				17	8	25
Management of potted plants													
Export potential of ornamental plants	1	20	5	25	0	0	0	0	0	0	20	5	25
Propagation techniques of Ornamental Plants													
Others													
Total (c)	2	25	9	34	12	4	16	0	0	0	37	13	50
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology	1	20	5	25	0	0	0	0	0	0	20	5	25
Processing and value addition													
Others													
Total (e)	1	20	5	25	0	0	0	0	0	0	20	5	25
f) Spices													

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 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	25	13	38	8	4	12				33	17	50
Integrated water management													
Integrated Nutrient Management													
Production and use of organic inputs	2	21	14	35	12	3	15				33	17	50
Management of Problematic soils													
Micro nutrient deficiency in crops	1	20	5	25	0	0	0	0	0	0	20	5	25
Nutrient Use Efficiency													
Balance Use of fertilizer													
Soil & water testing	1	6	4	10	6	9	15				12	13	25
others													
Total	6	72	36	108	26	16	42	0	0	0	98	52	150
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	2					30	30		20	20		50	50
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													

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
Minimization of nutrient loss in processing													
Processing & cooking													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Value addition	1		25	25								25	25
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others													
Total	3	0	25	25	0	30	30	0	20	20	0	75	75
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	2	23	4	37	8	5	13				41	9	50
Integrated Disease Management													
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides	4	57	14	71	24	5	29				81	19	100
Others													
Total	6	80	18	108	32	10	42	0	0	0	122	28	150
VIII. Fisheries													
Integrated fish farming	1	14	1	15	8	2	10				22	3	25
Carp breeding and hatchery management	1	15	6	21	3	1	4				18	7	25
Carp fry and fingerling rearing	2	24	4	28	13	9	22				37	13	50
Composite fish culture													
Hatchery management and culture of freshwater prawn	1	23		23		2	2				23	2	25
Breeding and culture of ornamental fishes	1	14	4	18	4	3	7				18	7	25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													

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
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others													
Total	6	90	15	105	28	17	45	0	0	0	118	32	150
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	6	4	10	6	9	15				12	13	25
Group dynamics	1	5	4	9	12	4	16				17	8	25
Formation and Management of SHGs													
Mobilization of social capital	1	17	8	25	0	0	0	0	0	0	17	8	25
Entrepreneurial development of farmers/youths	1	24	0	24	1	0	0	0	0	0	25	0	25
WTO and IPR issues	1	20	5	25	0	0	0	0	0	0	20	5	25
Others	1	6	4	10	6	9	15				12	13	25
Total	6	78	25	103	25	22	46	0	0	0	103	47	150
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	33	408	140	558	132	115	246	0	20	20	550	275	825

ERURAL 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	1	7	5	12	2	1	3				9	6	15
Protected cultivation of vegetable crops	1	8	3	11	3	1	4				11	4	15
Commercial fruit production													
Integrated farming													
Seed production	1	7	4	11				3	1	4	10	5	15
Production of organic inputs	1	10	2	12	2	1	3				12	3	15
Planting material production	1	7	5	12	2	1	3				9	6	15
Vermiculture													
Mushroom Production													
Beekeeping													
Sericulture Commercial flower production	1	5	2	7	8	0	8				13	2	15
Repair and maintenance of farm machinery and implements													
Value addition	1	8	4	12	2	1	3				10	5	15
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	5	2	7	8	0	8				13	2	15
Composite fish culture	1	8	4	12	2	1	3				10	5	15
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Other													

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 (Agril. extension)	1	8	3	11	3	1	4				11	4	15
Total	10	73	34	107	32	7	39	3	1	4	108	42	150

F) Extension Personnel (Off Campus)

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

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													

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 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	1	7	5	12	13	0	13				20	5	25
Exotic vegetables	2	18	9	27	17	6	23				35	15	50
Export potential vegetables	1	21	4	25							21	4	25
Grading and standardization													
Protective cultivation													
Others													
Total (a)													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	2	18	9	27	17	6	23				35	15	50
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	2	14	0	14	32	4	36				46	4	50
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	1	6	4	10	6	9	15				12	13	25
Processing and value addition													
Others													
Total (d)													
e) Tuber crops													
Production and Management technology	1	6	4	10	6	9	15				12	13	25
Processing and value addition	1	7	5	12	13	0	13				20	5	25
Others													
Total (e)													
f) Spices													
Production and Management technology	1	14	4	18	4	3	7				18	7	25
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	21	14	35	12	3	15				33	17	50
Integrated water management													
Integrated Nutrient Management	1	22	3	25							22	3	25
Production and use of organic inputs	3	36	17	53	14	8	22				50	25	75
Management of Problematic soils													
Micro nutrient deficiency in crops	1	11	5	16	6	3	9				17	8	25
Nutrient Use Efficiency	1	13	5	18	5	2	7				18	7	25
Balance Use of fertilizer	1	13	5	18	5	2	7				18	7	25
Soil & water testing													
others	3	36	18	54	14	7	25				50	25	75
Total													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													

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
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	2					30	30		20	20		50	50
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	2		50	50								50	50
Women empowerment													
Location specific drudgery reduction technologies													
Rural Crafts													
Women and child care													
Others	2		50	50		38	38		10	10		50	50
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													

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 Pest Management	3	50	8	58	10	7	17				60	15	75
Integrated Disease Management	9	133	37	170	40	20	50				173	57	225
Bio0control of pests and diseases													
Production of bio control agents and bio pesticides													
Others													
Total													
VIII. Fisheries													
Integrated fish farming	4	48	46	64	20	16	36				68	32	100
Carp breeding and hatchery management	1	9	4	13	6	6	12				15	10	25
Carp fry and fingerling rearing	2	24	4	28	13	9	22				37	13	50
Composite fish culture	1	18	2	20	3	2	5				21	4	25
Hatchery management and culture of freshwater prawn	1	13	5	18	5	2	7				18	7	25
Breeding and culture of ornamental fishes	1	11	5	16	6	3	9				17	8	25
Portable plastic carp hatchery	1	15	6	21	3	1	4				18	7	25
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition	1	14	1	15	8	2	10				22	3	25
Others													
Total													
IX. Production of Input at site													
Seed Production													
Planting material production													
Bio0agents production													
Bio0pesticides production													
Bio0fertilizer production													
Vermi0compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee0colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Fish feed													
Mushroom production													
Apiculture													
Others													
Total													
X. Capacity Building and Group Dynamics													
Leadership development	1	20	1	21	2	2	4	0	0	0	22	3	25
Group dynamics	1	13	10	23	2	0	2	0	0	0	15	10	25
Formation and Management of SHGs	1	15		15	3	7	10				18	7	25
Mobilization of social capital	1	17	8	25	0	0	0	0	0	0	17	8	25
Entrepreneurial development of farmers/youths	1	24	0	24	1	0	0	0	0	0	25	0	25
WTO and IPR issues													
Others	7	45	6	51	37	12	50	24	28	52	128	47	175
Total													
XI. Agro forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Others													
Total													
XII. Others (Pl. Specify)													
GRAND TOTAL	66	732	354	1056	323	219	536	24	58	82	1101	554	1650

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	2	7	8	0	8				13	2	15
Commercial fruit production	1	11	2	13	2	0	2				13	2	15
Integrated farming													
Seed production													
Production of organic inputs	4	33	13	46	10	4	14				43	17	60
Planting material production	1	12	2	14	1	0	1				13	2	15
Vermiculture													
Mushroom Production													
Beekeeping	1	11	0	11	4	0	4				15	0	15
Sericulture	1	5	0	5	7	3	10				12	3	15
Repair and maintenance of farm machinery and implements													
Value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1	8	3	11	3	1	4				11	4	15
Composite fish culture	1	8	4	12	2	1	3				10	5	15
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology	2	20	4	24	4	2	6				24	6	30
Fry and fingerling rearing	2	14	10	24	4	2	6				18	12	30
Others (PP)	3	28	8	36	6	3	9				34	11	45
Others	4	9	20	29	0	25	25	0	6	6	9	51	60
Total	22	164	68	232	51	41	92	0	6	6	215	115	330

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	2		20	20							0	20	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	2		10	20							10	10	20
Production and use of organic inputs	2		20	20							0	20	20
Care and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	2		10	20							10	10	20
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Other	3	10	15	25	3	2	5	0	0	0	13	17	30
Total	11	10	75	105	3	2	5	0	0	0	33	77	110

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Horticulture	F/Fw	Production technology of Colocasia, Yam, Elephant foot yam	1	Off campus	18	7	25	5	2	7
Horticulture	F/Fw	Improved agro techniques of bitter gourd, bottle gourd, spine gourd, pointed gourd	1	Off campus	15	10	25	6	9	15
Horticulture	F/Fw	Production technology for off season vegetables	1	Off campus	20	5	25	13	0	13
Horticulture	F/Fw	Cultivation of Papaya, Banana, Dragon fruit	1	Off campus	21	4	25	7	4	11
Horticulture	F/Fw	Production technology for increasing yield of Kewda	1	On campus	18	7	25	4	3	7
Horticulture	F/Fw	Scientific Cultivation Of Onion, ginger, Chilli	1	Off campus	19	6	25	1	2	3
Horticulture	F/Fw	Scientific Cultivation Of Capsicum, red cabbage cherry Tomato	1	Off campus	19	6	25	2	10	12

Horticulture	F/Fw	Production technology of Marigold, Tuberose ,Jasmine	1	Off campus	20	5	25	12	2	14
Horticulture	F/fw	Cultivation of, Cauliflower, Cabbage, Brocolli in scientist manner	1	Off campus	17	8	25	12	4	16
Horticulture	F/Fw	Agro- techniques of Rose Gladiolus Gerbera cultivation	1	Off campus	22	3	25	0	0	0
Horticulture	F/Fw	Cultivation of mango, Guava, Custard apple	1	On campus	21	4	25	0	0	0
Horticulture	F/Fw	Seed production techniques in Onion	1	On campus	18	7	25	5	2	7
Horticulture	RY	Quality planting material production	2	On campus	14	1	15	5	3	8
Horticulture	RY	Cultivation of high value vegetable under protected environment	2	Off campus	12	3	15	6	3	9
Horticulture	RY	Scientific cultivation of Papaya, Banana, Mango	2	Off campus	13	2	15	1	0	1
Horticulture	RY	protected Cultivation of Rose, Orchids,Gerbera	2	Off campus	12	3	15	8	0	8
Horticulture	IS	Recent technologies for productivity enhancement in vegetable crops	1	On campus	5	5	10	0	0	0
Horticulture	IS	Seed production technology in vegetable crops	1	On campus	5	5	10	0	0	0
Soil Sc.	F/FW	Importance of soil testing and technique of soil sampling.	1	ON campus	29	21	50	18	6	24
Soil Sc.	F/FW	Soil fertility management	1	ON campus						
Soil Sc.	F/FW	Green manuring in rice	1	ON campus	31	19	50	13	5	18
Soil Sc.	F/FW	Production technology of vermicompost and its uses	1	ON campus	18	7	25	5	2	7
Soil Sc.	F/FW	Soil fertility management	1	ON campus	17	8	25	6	3	9
Soil Sc.	F/FW	Application and importance of biofertilisers on vegetable crops	1	Off campus	17	8	25	6	3	9

Soil Sc.	F/FW	INM in solanaceous vegetables	1	Off campus	18	7	25	5	2	7
Soil Sc.	F/FW	Zero budget natural farming	1	Off campus	18	7	25	6	0	6
Soil Sc.	F/FW	Training on INM in pulses	1	Off campus	15	10	25	3	2	5
Soil Sc.	F/FW	Production technology of vermicompost and its uses	1	ON campus	18	7	25	5	2	7
Soil Sc.	F/FW	Nutrient management in fruit crops	1	ON campus	15	10	25	3	2	5
Soil Sc.	F/FW	Use of secondary and micronutrients vegetable crop	1	Off campus	17	8	25	6	3	9
Soil Sc.	RY	Training on vermiculture and vermicomposting	4day	Off campus	21	9	30	6	3	9
Soil Sc.	RY	Entrepreneurship development through Production of Organic inputs	4 day	Off campus	22	8	30	4	1	5
Soil Sc.	IS	Integrated nutrient management for sustainable agriculture	1	On campus	6	4	10	2	0	2
Soil Sc.	IS	Organic farming for sustainable agriculture	1	On campus	6	4	10	2	0	2
Plant Protection	F/FW	Borer pest management in bittergourd	1	Off campus	25	-	25	5	3	8
Plant Protection	F/FW	Blast disease management in ragi .	1	On campus	8	17	25	2	1	3
Plant Protection	F/FW	Blast and sheath blight disease management rice.	1	On campus	23	2	25	7	5	12
Plant Protection	F/FW	Disease management in betelvine	1	Off campus	22	3	25	6	3	9
Plant Protection	F/FW	Disease and pest management in sunflower .	1	Off campus	25	-	25	-	-	-
Plant Protection	F/FW	Wilt and rotting disease management in tomato.	1	Off campus	6	19	25	8	2	10
Plant Protection	F/FW	Stone weevil management in Mango.	1	On campus	21	4	25	3	4	7
Plant Protection	F/FW	Shoot and fruit borer management in brinjal .	1	Off campus	19	6	25	2	2	4
Plant Protection	F/FW	Leaf curl disease management in chilli .	1	On campus	19	6	25	6	3	9

Plant Protection	F/FW	Colar rot management in groundnut .	1	On campus	22	3	25	7	3	10
Plant Protection	F/FW	Aphid management in Marigold.	1	On campus	25	-	25	-	-	-
Plant Protection	F/FW	Nursery disease management in rabi rice.	1	Off campus	25	-	25	11	-	11
Plant Protection	RY	Mango Orchard management	2	On campus	15	-	15	4	-	4
Plant Protection	RY	Safe use of pesticide	2	On campus	9	6	15	2	2	4
Plant Protection	RY	New generation pesticides	2	On campus	10	5	15	2	1	3
Plant Protection	RY	IPM & IDM in groundnut	2	On campus	15	-	15	2	-	2
Plant Protection	IS	IPM in rice	1	On campus	5	5	10	-	-	-
Plant Protection	IS	IPM and IDM in brinjal crops	1	On campus	5	5	10	-	-	-
Fishery Science	F/FW	Feed management in pisciculture	1 day	Off campus	15	10	25	6	06	12
Fishery Science	F/FW	Common parasitic infections in fish & its remedial measures	1 day	Off campus	22	03	25	7	03	10
Fishery Science	F/FW	Pre stocking in management pre pisciculture tank	1 day	On campus	25	0	25	8	0	08
Fishery Science	F/FW	Post stocking in management pre pisciculture tank.	1 day	Off campus	23	02	25	0	02	02
Fishery Science	F/FW	Integrated fish farming	1 day	Off campus	21	4	25	3	2	5
Fishery Science	F/FW	Fish seed production technology in small tanks	1 day	On campus	18	7	25	2	0	2
Fishery Science	F/FW	Adverse aquatic environment & its remedial measures	1 day	On campus	21	4	25	3	1	4
Fishery Science	F/FW	Scientific GIFT tilapia farming	1 day	Off campus	18	7	25	4	3	7
Fishery Science	F/FW	Manuring of pond for enhance fish productivity	1 day	On campus	20	5	25	2	3	5
Fishery Science	F/FW	Plankton Management in Grow-out pond culture	1 day	Off campus	15	10	25	6	06	12
Fishery Science	F/FW	Control and eradication of algal blooms and weeds in fish culture	1 day	On campus	22	03	25	7	03	10
Fishery Science	F/FW	Value addition and value added products	1 day	Off campus	22	3	25	8	2	10

		from fish and shell fish								
Fishery Science	RY	High input based Aquaculture practices (BIOFLOC)	2 day	Off campus	10	5	15	2	1	3
Fishery Science	RY	Package and practices of Fingerling and Yearling production	2 day	Off campus	9	6	15	2	1	3
Fishery Science	RY	Ornamental fish culture as an Income generating activity	2 day	Off campus	11	4	15	3	1	4
Fishery Science	RY	Value addition and value added product preparation	2 day	Off campus	12	3	15	2	1	3
Fishery Science	IS	Recent Advances in Aquaculture Practices	1	On campus	5	5	10	-	-	-
Fishery Science	IS	Tools for accessing soil, water and disease diagnosis and treatment	1	On campus	5	5	10	-	-	-
Agril. Extension	F/FW	Formation, management and strengthening of SHG, FIG, CIG, JLG and WIG	01	Off Campus	16	9	25	4	2	6
Agril. Extension	F/FW	Agro-forestry model and its importance on livelihoods	01	Off Campus	22	3	25	1	2	3
Agril. Extension	F/FW	Formation of Farmers Producer Organization	01	Off Campus	20	5	25	0	0	0
Agril. Extension	F/FW	Adoption of climate-resilient practices for sustainable agriculture	01	Off Campus	17	8	25	0	0	0
Agril. Extension	F/FW	Production led extension to market led extension	01	Off Campus	15	10	25	2	0	2
Agril. Extension	F/FW	New dimension of extension approaches	01	Off Campus	25	0	25	1	0	1
Agril. Extension	F/FW	Collective marketing for higher income and profit	1 day	On campus	21	4	25	3	1	4
Agril. Extension	F/FW	Fodder cultivation for big and small ruminants	1 day	Off campus	18	7	25	4	3	7
Agril. Extension	F/FW	In-situ moisture conservation technologies for better land and water management	1 day	On campus	20	5	25	2	3	5
Agril. Extension	F/FW	Rural Entrepreneurships development through	1 day	Off campus	15	10	25	6	06	12

		income generating activities								
Agril. Extension	F/FW	Development of Integrated farming system for small & marginal farmers	1 day	On campus	22	03	25	7	03	10
Agril. Extension	F/FW	Conservation and Management of Natural Resources	1 day	On campus	20	5	25	2	3	5
Agril. Extension	RY	Agri-preneurship Development towards self sufficiency	02	Off Campus	12	3	15	0	0	0
Agril. Extension	RY	Value Chain analysis of major Agril. Commodities	02	Off Campus	7	8	15	0	0	0
Agril. Extension	RY	Climate smart agriculture for sustainable development	2 day	On campus	11	4	15	3	1	4
Agril. Extension	RY	New Dimension of Agriculture for all-round development	2 day	On campus	11	4	15	3	1	4
Agril. Extension	IS	Formation & management of Farmer producer Organization	01	On Campus	5	5	10	0	0	0
Agril. Extension	IS	Use of ICT (Information Communication Technology) in Agriculture	01	On Campus	5	5	10	0	0	0
Home Sc.	F/FW	Value added product from fruit veg.	01	Off campus		25	25		11	11
Home Sc.	F/FW	Nutritional garden	01	Off campus		25	25		9	9
Home Sc.	F/FW	Backyard poultry for income generation	02	Off campus		50	50		22	22
Home Sc.	F/FW	Value added product from fruit veg.	01	Off campus		25	25		6	6
Home Sc.	F/FW	Nutritional garden	01	On campus		25	25		11	11
Home Sc.	F/FW	Backyard poultry for income generation	01	On campus		25	25		9	9
Home Sc	RY	Post harvest management & value addition in oyseter mushroom	01	On campus		15	15		5	5
Home Sc	RY	Scientific practices in seedling raising for income generation	01	Off campus		15	15		8	8
Home Sc.	IS	Training to Anganawardi worker on preparation of balance diet with available resources	01	On campus		10	10		4	4

		for Nutritional security of farm family								

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	

*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													
Total													
Agricultural Extension													
Capacity building and group dynamics													
Other													
Total													
Grand Total													

I) Sponsored Training Programmes

a) Details of Sponsored Training Programme

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

b) Details of participation

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													

Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

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	20	320	80	400	16	20	5	25	320	80	400
KisanMela											
KisanGhosthi											
Exhibition	4	-	-	-	-	-	-	-	-	-	Mass
Film Show											
Method Demonstrations											
Farmers Seminar											
Workshop											
Group meetings	2	50				4	2	6	54	2	56
Lectures delivered as resource persons	25	600	300	900	22	110	34	144	710	334	1044
Advisory Services	22	25000	9000	34000	18	200	100	300	25200	9100	34300
Scientific visit to farmers field	135	945	310	1255	21			0	945	310	1255
Farmers visit to KVK	325	265	45	310	21			0	265	45	310
Diagnostic visits	25	205	56	261	12	24	12	36	229	68	297
Exposure visits				0				0	0	0	0
Ex-trainees Sammelan				0				0	0	0	0
Soil health Camp	5	155	25	180	8	4	2	6	159	27	186
Animal Health Camp											
Agri mobile clinic	25	344	156	500	10	25	6	31			
Soil test campaigns	4	155	25	180	8	4	2	6	159	27	186
Farm Science Club Conveners meet				0				0	0	0	0
Self Help Group Conveners meetings	3	50	25	75	5			0	50	25	75
MahilaMandals Conveners meetings				0				0	0	0	0
Celebration of important days (specify)	18	1200	600	1800	15	102	32	134			
Sankalp Se Siddhi				0				0	0	0	0
Swatchta Hi Sewa	4	100	30	130	6			0	100	30	130
MahilaKisan Divas	1		50	50	15	0	5	5	0	55	50
Any Other (Specify)				0				0	0	0	0
Total	568	29389	10702	40041	177	493	200	693	28191	10103	38289

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	15
Radio talks	6
TV talks	25
Popular articles	10
Extension Literature	5
Other, if any	6

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided							
				SC		ST		Other		Total	
				M	F	M	F	M	F	M	F
Rice	MTU1224	153.4	590320								
Green Gram	Virat	1.785	19189								
Black gram	Sashi	2.04	19054								
Dhanicha	-	6.95	28147								
Green Gram	IPM 02-14	-	-								
Black gram	Pratap	-	-								
Grand Total											

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											
Tomato	Akshita	800	2000								
Chilli	Arkameghna	37950	93825								
Marigold	Bidhan Marigold -2	15000	18000								
IVY gourd	ArkaNeelachalKunkhi	1500	15000								
Tomato	Laxmi	800	2000								
Fruits											
Mango											
Guava											
Lime											
Papaya	Sinta F1	1670	41750								
Banana											
Others(Drumstick)	ODC-3	1670	41750								
Ornamental plants											
Medicinal and Aromatic											
Plantation											
Spices											
Turmeric											
Tuber											
Elephant yams											
Fodder crop saplings											
Forest Species											
Others, pl.specify											
Total											

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	4000 kg	40000								

Bio-pesticide											
Bio-fungicide											
Bio-agents	16.5 kg	8500									
Others, please specify.(Mushroom)	50 kg	5000									
Total		53500									

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											
Duals (broiler and layer)											
Japanese Quail											
Turkey											
Emu											
Ducks											
Others (Meat)		85 kg									
Egg		310 no.s									
Piggery											
Piglet											
Hog											
Others (Pl. specify)											
Fisheries											
Indian carp											
Exotic carp											
Mixed carp											
Fish fingerlings		78000 no.s									
Spawn											
Others (Pl. specify)											
Advance fingerlings (> 120 mm)		17250 no.s									
Ornamental fish		2150 no.s									
Grand Total											

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				
Seminar/conference/ symposia papers				
Books	Potala Chasa	Dr. S Lenka, Sc.(Exten.)	500	
		Dr. S Choudhury Sc.(Hort.)		
	Banana Cultivation	Dr. S Lenka, Sc.(Exten.)	500	
		Dr. S Choudhury Sc.(Hort.)		
	Kandha jatiya Phasal Chasa	Dr. Susmita Mohanty, SS&H	500	
		Dr. S Lenka, Sc.(Exten.)		
		Dr. S Choudhury Sc.(Hort.)		
Bulletins				
News letter	Bharabi		500	
Popular Articles			3	
Book Chapter				
Extension Pamphlets/ literature			3	
Technical reports			30	
Electronic Publication (CD/DVD etc.)	Short video		20	
TOTAL			2056	

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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Training	Refresher training programe	Dr. Sushree Choudhury, Scientist(Hort.)	16.01.23 to 18.01.23	DEE,OUAT
2.	Training	Refresher training programe	Sri Sandeep Mohanty, Scientist(PP)	16.01.23 to 18.01.23	DEE,OUAT

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

Name of farmer	Mr. Tarini Reddy
Address	Vill- Kutharisingh, Block- Rangeilunda,Ganjam

Contact details (Phone, mobile, email Id)	Mob No-9938118541
Landholding (in ha.)	1.5
Name and description of the farm/ enterprise	Booming Farmers Income throughCrop Diversification
Economic impact	• Increases in crop yield. • Generate massive employment opportunities for the year round • Substetional increases in income • Multiple tangible and intangible benefits
Social impact	• Recognized innovative farmers in their village • Always invited in various social function and social organization. • Dignifying person in the society.
Environmental impact	• Environment and farmer friend approaches • In-sute conservation of resources • Judicious use of farm resources for sustainable development • Create a conducive environment for others
Horizontal/ Vertical spread	• The technology spread to 32 villages. • People are showing their interest to adopt the technology .

DFI Success

A DFI Initiative- Booming Farmers Income throughCrop Diversification
KVK, Ganjam-II

Name of farmer	Mr. Tarini Reddy
Address	Vill- Kutharisingh, Block- Rangeilunda Mob No-9938118541
Age	45 years
Education	10th standard
Size of landholding	4acres

Prologue: Tarini Reddy, a 45-year-old enthusiastic innovative small farmer from Kutharsingh village having 4 acres of cropland. The farmer got an annual profit of Rs. 82,671 from 3-acres land by traditionally cultivating of rice, beetle vine,vegetable, etc. and remain 1 ac becomes fellow since long.

Situation:Earlier Sh. Tarini cultivated rice, beetle vine and vegetables but it was not remunerative to manage his family day to day needs. The major constraints werelack of scientific knowledge, low yield of rice, beetle vine& vegetables with various diseases and pest outbreaks.

Efforts made by KVK: Realizing the needs of Sh. Tarini, KVK planned a systematic and scientific approach to improve income and livelihood through a diversified need-based approach.He attended numerous training programme on integrated crop management practices including new crop varieties,fruit, vegetables, beetle vine and rice production technologies.He was advised for seed treatment, STBF application, line transplanting, application of weedicides and timely control of diseases and pests. That helped him change the cultivation practices.

Impact: He has adopted the ICM practices with new high-yielding varieties to minimize the production cost. As a result, production has increased many folds due to the KVK association and technical interventions. The details of crop production areas follows:

Components	Area (Acre)	Production (Q./No)	Gross Expenditure (Rs.)	Gross Income (Rs.)	Net Income (Rs.)	B:C Ratio
Paddy variety Swarna Sub1	1 .5	28.6	32172	51440	19268	1.6
Beetle vine	1 .5	110	32142	90000	57858	2.8
Chilli, Brinjal, Tomato, Cauliflower	1	133	44600	130000	85400	2.9
Papaya	0.5	96	24800	76800	52000	3
Paddy straw mushroom	0.5		69000	220000	151000	3.1
Total			**202714**	**568240**	**365526**	**2.8**

Conclusion:Before the DFI initiative, he got a meager profit of Rs. 82,671. After DFI interventions Tarini got a profit of Rs.3,65,526 from 4 acres of land where the average benefit-cost ratio is 2.8. Now Tarini feels more secured due to the multifarious interventions that minimize the risk. Over 3 years, the socio-economic condition and way of living areconsiderably improved due to DFI interventions.Now the technology spread to 5 adjacent villages of the block and the interventions have changed the mindset of villagers.

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
1	Pruning and Stacking of Tomato to minimize yield loses	Sh.Sanjib Kumar Patra	Yield reduction of tomato was very severe during Kharif season in Padripalli village. To avoid this, the farmer used their own innovative idea to overcome the adverse situation. Mr. Bijaya used the low-cost technology to overcome the adverse situation by using rope. But, he could partially succeed in this innovative method. Later he used locally available ipomoea and rope for stacking the tomato plant in his farmland. Later he used the bamboo stick for stacking tomato plant. The farmer got an increased yield of 44.35% to a tune of 253.76 q/ha from earlier 175.79 q/ha with an average 26 number of fruits per plant.

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	VEGETABLE	5 kg of various bitter leaves(Neem,Karanja,Dhatura, Poka sungha, Congress Grass, Castor) made small pieces and chopped and put in a drum with 10 lit of cow urine and 5 lit of water and coverd it. Intermittently stirring with a stick and kept for 35 days after 35 days took 1 lit & mix with 14 lit water and spray in one acre area. By The farmer got an increased yield of 36.35%	Application of Biopesticide to Control Pests in vegetable.
2	MARIGOLD	1 kg of lime and soaked in 20 litre of cow urine for one day then diluted by adding 25 liter of water and sprayed in marigold field.By this mites controlled and yield enhanced by 26%.	Control of mite in marigold

b. Give details of organic farming practiced by the farmer

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

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

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

3.11. a. Details of equipment available in Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
	Mridaparikshak	3 (2 new+1old)
	Shaker	3
	Hot plate	3

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			
572		572	1164	27	

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	World Soil Day	100			100	100

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials

3.13. Technology week celebration

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

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

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
20.02.2023	Prof. P.K. Roul Hon'ble Vice Chancellor ,OUAT	KVK, Visit
24.03.2023	Prof P.J Mishra Dean, DEE,OUAT	KVK, Visit
24.03.2023	Prof S. Swain Dean of Research, OUAT	KVK, Visit
17.12.2022	Dr. Sibaprasad Sangram Singh, JDEE,DEE,OAUT	Attend SAC meeting
28.11.2022	Sj Upendra Tripathy, IAS, Principal Advisor (Education) to Hon'ble Chief Minister, Odisha	KVK, Visit
02.06.2022	Dr Mahamaya Prasad Nayak , JDEE, DEE OUAT	Officially
02.06.2022	Mr Amit Pongsa, DDE, DEE, OUAT	Officially

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)

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

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

4.4. Details of innovations recorded by the KVK

Thematic area	Crop management
Name of the Innovation	Innovation in management in field crops
Details of Innovator	Sri Balaji Dalei,Village-Giria,G.P-Giria , Block-Hinjilikatu, Dist-Ganjam
Back ground of innovation	Reducing pest and disease attack in field crop
Technology details	Paddy yield reduced by attack of different pests and diseases.To avoid this, the farmer used their own innovative idea to overcome the adverse situation. He sprayed salt and ash solution(2kg salt+ 8 kg ash+ 200 lit of water) to control leaf folder in one acre area. Similarly to control stem borers and fungal diseases in sugar cane field dried neem fruits are powdered and applied @ 200kg./ha. Maize seeds are soaked in cow urine for 12 hours before sowing for better germination
Practical utility of innovation	To control pest and disease and to increase productivity

4.5. Details of entrepreneurship development

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

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Pulse Research Station, Berhampur	• Provides the breeder and foundation seeds of the new varieties of the major crops of this district for multiplication and distribution to the farmers of this area. • Provides all possible technical guidance and helps in solving the problems related to pest and diseases of the crops of the area • Research results are being communicated to us for transfer of the same to the farming community. • Feed back collected from farmers on performance of research results are supplied to the RRS regularly for refinement.
District level line departments i.e. Agriculture,ATMA, Horticulture,Verterinary,Fishery, Forestry, Watershed, Minor Irrigation etc.	Member in DLTC,Convergence for different mandatory activities, collection of secondary data, identification of operational area, Prioritization of need, R-E linkage meeting, finalization of district level action plan, enterprenureship development etc.
NGOs, Prem, Sacala, Progress,Odissa etc.	As resource person for dessimination of technical knowledge
Small scale industries	Providing skill training for livelihood development
PNB(FTC)	Imparting training to farmers ,farmwomen and rural youth as resource person.
RITE	Providing support as a trainer in Agrilculture and allied sector.
CIMMYT	Hybrid Maize trial
CRRI, Cuttack	• Hyv, stress tolerant var. of Paddy
CTCRI, Regional Centre, Bhubaneswar	• Planting materials of tuber crops
CARI, Regional centre, Bhubaneswar	• Supply of Banaraja poultry bird and Khaki Campbell ducklings
NABARD	• Technical support to Farmers club .

5.2. List of special programmes undertaken during 2022by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Poly house	2020	300		Planting material			214325	
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Rice				MTU1224	FS	153.4	335438	590320	
Green Gram				Virat	TL	1.785	10170	19189	
Black gram				Sashi	TL	2.04	16680	19054	
Dhanicha				-	TL	6.95	9830	28147	
Green Gram				IPM 02-14	TL	-	2815	-	
Black gram				Pratap	TL	-	3130	-	

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	40 q		40000	
2	Verms (Eisenia Foetida)	16.5 kg		8500	

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.	Fish fry IMC (Rohu, catla, mrigal, common carp)			78000 no.s			
2.	Advance fingerlings (> 120 mm)			17250 no.s			
3.	Ornamental fish			2150 no.s			
4	Poultry			85 kg			
5	Egg (duck &poultry)			310 no.s			
6	Mushroom			50 kg			
7	Vegetable			320 kg			

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
No. of staffquarters:
Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving (KVK, Contingency)	SBI	Golanthara	32409141533
Saving (KVK, Revolving)	SBI	Golanthara	32431628846

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

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Blackgram	88800	-	72,013		16787

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			
2	Traveling allowances	120000	120000	120000
3	Contingencies			
A	OE, Training,Fld ,OFT,SCSP	2790000	2798800	2798800
B	HRD	30000	30000	
C	Kisan Bhagidari	24725	24725	24725
D	Garib Kalyana	39213	39213	39213
E	Agri Conclave	31611	31611	26531
F	Swachhata Expenditure	16950	16950	16950
G				
H				
I				
J				
TOTAL (A)				
B. Non-Recurring Contingencies				
1	Equipment's and furniture	140000	140000	140000
2	I.T	75000	75000	75000
3	Boundary wall and furnishing	1000000	100000	100000
4	Irrigation	400000	400000	400000
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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)
2018-19	Rs. 26233.00	Rs. 457000	223083.50	Rs. 41164
2019-20	41164.00	553732.00	410354.50	143377.50
2020-21	143377.50	513757.50	309252.00	204505.50
2021-22	204505.50	1186568	822637	568436.50
2022-23	568436.50	556837.00	769888.50	355390

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

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

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
Blast	Rice	-	-	30 to 40%	Tricyclozole @1gm/liter
Seath blight	Rice			10 to 20%	validamycine @2 ml /liter
Blast	Ragi	-	-	20 to 25%	Tricyclozole @1gm/liter
Tikka	Groundnut	-	-	20 to 25%	Metalaxyl + Mancozeb @ 2gm/liter
Root rot	Groundnut	-	-	10 to 15%	Metalaxyl + Mancozeb @ 2gm/liter
wilting / root rot	Tomato, chilli	-	-	20 to 30%	Metalaxyl + Mancozeb @ 2gm/liter
cercospora	Cowpea			10 to 15%	carbendazin + Mancojeb @ 2gm/liter
powdery mildew	pointed gourd			20 to 30%	COC @ 3gm/lit

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	12	34200
Livestock	3	34200
Fishery	4	34200
Weather	2	34200
Marketing		
Awareness	1	34200
Training information		
Other		
Total	22	

9.4. *KVK* Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	*34200*
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
September, October, December, January	Awareness programme , Cleaning programme

b. Details of Swachhta activities with expenditure

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

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

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

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	5	125	-	-

9.11. Details of MahilaKisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness programme	1	53	-	-

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

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sri Balaji Dalai	Giria, Hinjilikat 9861113749	Crop Production
2	Sri Bijaya Kumar Patro	Padripalli Kukudakhandi 9178324914	Vegetable
3	Sri Ramesh Dalai	Giria, Hinjilikat 7008029365	Crop Production
4	Sanjee Ku Patra	Padripalli Kukudakhandi 9556766108	Vegetable
5	Ruben Ku Patro	Padripalli	Crop Production

		Kukudakhandi 9439682787	
6	Bishnu Charan Pradhan	Putipadar,Rangeilunda 9938325711	Crop Production
7	Kangali Sahu	Rajanapalli, Chatrapur 9861362564	Vegetable
8	Mohan Parihari	Rajanapalli, Chatrapur 9668797622	Crop Production
9	Sudhrshan Parihari	Rajanapalli, Chatrapur	Crop Production
10	Tapaswani Parihari	Rajanapalli, Chatrapur 9078297906	Vegetable
11	Madhuchanda Patra	Padripalli Kukudakhandi 9178324914	Vegetable
12	Durga Charan Sahu	9776405654 Hinjilikat	Vegetable
13	Pitamber Sahu	Hinjilikat	Vegetable
14	Udhab Patra	Balipada, Digapahandi 9438469217	Crop Production
15	Laxmi sahu	Jharapadar, Ganjam 9439578086	Crop Production
16	Rabindra Jena	Benagohiri,Santoshpur, Ganjam 9337385789	Fishery
17	Suresan Behera	Tareipatapur, Chatrapur 9861962700	Fishery
18	Somaya Reddy	Satyanarayanpur, Rangeilunda 9938417471	Fishery
19	Balaji Ready	Jharapadar, Ganjam 8144650208	Fishery
20	Mahantra Mahoant	Bananayee, Purusottampur 9439153492	Crop Production
21	Ramachandra Nahak	Sunathar, Purusottampur 9583821318	Crop Production
22	Deba Palai	Humbara, Chatrapur 993859808	Fishery
23	Jitendra Ku Sahu	Indrakhi ,Rangeilunda 7377801981	Fishery
24	Tikina Behera	Gautami,Sanakhemundi 7873846281	Fishery

9.13. Revenue generation

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

9.14. Resource Generation:

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

9.15. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

9.16. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

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

a) Year:
b) Introduction / General Information:

	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
…						
..						
Others (If any)						

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 otherprogrammes (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 outcomeunder 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

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
1	FPO	U01100OR2019PTC032395	Maa Shyamalai Farmers producer company Limited, Hinjili , Ganajm	Finalization of 12 potential villages. Identification of targeted beneficiary and their membership enrollment for registration of FPO Resource mobilization for formation of FPO. Providing technical knowledge, skill and inputs for scientific cultivation of vegetables, To facilitate development of management systems in FPO. For smooth functioning of business operation KVK will lialise with various marketing channels	vegetables	862		

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

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					
2					

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)					
II (up-to 24.04.218)					
Total					

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	

21. Information on NARI Project(if applicable)

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

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

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

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

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