

**PROFORMA FOR ANNUAL REPORT2021 (January-December 2021)**

**1. GENERAL INFORMATION ABOUT THE KVK**

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

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

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

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

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Bimalendu Mohanty		9078584428	bimalendum@rediffmail.com

**1.4. Year of sanction of KVK:2001**

**1.5. Staff Position (as on 1<sup>st</sup> January, 2021)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale	Date of joining	Permanent/ Temporary	Category (SC/ST/OBC/ Others)
1	Senior Scientist& Head	Dr. Bimalendu Mohanty	Sr. Scientist and Head	MSc. (Ph D Ag Engg)	15,600-39,100	14.03.2005	Temporary	General
2	Subject Matter Specialist	Sasmita Pal	Scientist (Home Science)	MSc (H.Sc)	15,600-39,100	19.08.2005	Temporary	General
3	Subject Matter Specialist	SanghamitraSahu	Scientist (Plant protection)	MSc (Ag)	15,600-39,100	29.12.2015	Temporary	General
4	Subject Matter Specialist	Sefali Rout	Scientist (Forestry)	Msc (Forestry)	15,600-39,100	05.10.2015	Temporary	General
5	Subject Matter Specialist	Dibya Sundar Kar	Scientist (Horticulture)	MSc (Hort)	15,600-39,100	21.08.2006	Temporary	General
6	Subject Matter Specialist	Dr. Roshni Bala Nayak	Scientist (Animal Science)	MSc (Animal Sc)	15,600-39,100	07.07.2015	Temporary	General
7	Subject Matter Specialist	Vacant		-----	-----	-----	-----	-----
8	Programme Assistant	Vacant						
9	Computer Programmer	Nihar Ranjan Baral	PA (Computer)	Computer	9300-34,800	06.07.2006	Temporary	General
10	Farm Manager	Manoj Kumar Pradhan	Farm Manager	Msc (Ag)	9300-34,800	04.10.2006	Temporary	General
11	Accountant / Superintendent							
12	Stenographer	Biraja Prasad Jena	Jr. Steno-cum-Computer Operator	-----	5,200-20,200	13.10.2006	Temporary	General
13.	Driver	Khetrabasi Mohanty	Driver-cum-Mechanic	-----	5,200-20,200	25.07.2007	Temporary	General
14.	Driver	Nilamadhaba Sahoo	Driver-cum-Mechanic	-----	5,200-20,200	25.07.2007	Temporary	General
15.	Supporting staff	AhalyaBaral	Peon-cum-Watchman	-----	4750-14680		Temporary	General
16.	Supporting staff	Dinabandhu Swain	Peon-cum-Watchman	-----	4750-14680	20.12.2007	Temporary	General

**1.6. Total land with KVK (in ha)**

:

S. No.	Item	Area (ha)
1	Under Buildings	0.4
2.	Under Demonstration Units	0.6
3.	Under Crops	6
4.	Orchard/Agro-forestry	6
5.	Others with details	
6.	Farm tank	5
7.	Barren land	2
	Total	20

Total area should be matched with breakup

**1.7. Infrastructure Development:****A) Buildings and others**

Sl. 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	Not yet started							
2.	Farmers Hostel					Totally completed	280	Under use	RRTTS building handed over to KVK and renovated under RKVY
3.	Staff Quarters (6)					Totally completed	390	Under use	ICAR
4.	Piggery unit	Not yet started							
5	Fencing					Totally completed	8790 running feet	Under use	RKVY
6	Rain Water harvesting structure	Not yet started							
7	Threshing floor	Not yet started							

Sl. 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
8	Farm godown					Totally completed	30	Under use	RRTTS godown handed over to KVK
9.	Dairy unit	Not yet started							
10.	Poultry unit					Totally completed	36	Under use	RRTTS unit handed over to KVK
11.	Goatary unit	Not yet started							
12.	Mushroom Lab	Not yet started							
13.	Mushroom production unit					Totally completed	78	Under use	ICAR
14.	Shade house					Totally completed	110	Under use	ICAR
15.	Soil test Lab					Totally completed		Under use	Equipments – ICAR, Building – RRTTS
16	Training Hall					Totally completed	95	Under use	RKVY
17	Duckery unit					Totally completed	10	Under use	RKVY
18	Vermi compost unit (2 nos)					Totally completed	23 78	Under use	RKVY- 1 ICAR -1

\* 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
Bolero	2016-17	7,04,162	968620	Good condition

**C) Equipment & AV aids**

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Digital Refractometer	2017-18	14,950	Good condition	ICAR
Drying cabinet	2017-18	19,897	Good condition	ICAR
Crown cap sealing machine	2017-18	2,950	Good condition	ICAR
Vacuum sealing machine	2017-18	1,980	Good condition	ICAR
Stainless steel knife, strainer, decanter, measuring cup set, glass jar etc.	2017-18	1,950	Good condition	ICAR
Food processor	2017-18	4,950	Good condition	ICAR
Wet grinder	2017-18	12,800	Good condition	ICAR
Mridaparikshak – 2 nos.	2016-17	1,80,600	Good condition	ICAR
Thermo hygrometer	2016-17	1800	Good condition	ICAR
Hand refractometer	2016-17	4850	Good condition	ICAR
Electronic automatic kelpus microprocessor based twenty place macro block digestion system	2004-05	121470	Good condition	ICAR
Electronic acid neutralizer scrubber	2004-05	51470	Good condition	ICAR
Electronic kelpusmicro processor based automatic nitrogen distillation system	2004-05	156530	Good condition	ICAR
Electronic titration system for kelpus system	2004-05	52000	Good condition	ICAR
Flame photometer	2004-05	35200	Not functioning	ICAR
Spectrophotometer	2004-05	30100	Good condition	ICAR
Servo Stabilizers	2004-05	13500	Not functioning	ICAR
Hot plate	2004-05	2520	Good condition	ICAR
Micro processor based pH meter	2004-05	10200	Not functioning	ICAR
Onductivity meter	2004-05	10200	Good condition	ICAR
Refrigerator	2004-05	9200	Not functioning	ICAR
Ele. Top Pan Balance	2004-05	95000	Good condition	ICAR
Physical Balance	2004-05	4500	Not functioning	ICAR
Soil Augur	2004-05	2850	Good condition	ICAR
Bouyoucos Hydrometer	2004-05	6500	Good condition	ICAR

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Mechanical Stirrer	2004-05	8200	Good condition	ICAR
Colony Counter	2004-05	4500	Good condition	ICAR
Plant Sample Grinder / Laboratory Mill	2004-05	8000	Good condition	ICAR
Hot Water Bath	2004-05	4000	Good condition	ICAR
Horizontal Shaker	2004-05	11000	Good condition	ICAR
Distilled Water Unit	2004-05	7200	Good condition	ICAR
Hot Air Oven	2004-05	10500	Good condition	ICAR
Laboratory Centrifuge	2004-05	9000	Good condition	ICAR
Sieves	2004-05	1123	Good condition	ICAR
Soil Augur / Sampling Tube (Screw/tube)	2004-05	1700	Good condition	ICAR
Soil Thermometer	2004-05	2712	Good condition	ICAR
Olympus (Microscope) Model ML-14	2004-05	17900	Good condition	ICAR
Olympus (Microscope) Model MS-13	2004-05	26890	Good condition	ICAR
Bod Incubator	2004-05	42000	Not functioning	ICAR
<b>b. Farm machinery</b>				
Tractor operated 9 row seed cum fertilizer drill	2016-17	55,000	Good condition	ICAR
Power weeder	2016-17	42,313	Good condition	ICAR
Tractor operated Rotavator	2016-17	96,900	To be repaired	ICAR
Tractor & accessories	2003-04	2,95,251	Good condition	ICAR
Trailer	2003-04	55,000	Bad condition	ICAR
11 tyne cultivator	2003-04	10,800	Bad condition	ICAR
Cage wheel	2003-04	6,500	Bad condition	ICAR
Terracer blade	2003-04	18,000	Good condition	ICAR
M.B. Plough	2003-04	21,000	Good condition	ICAR
3 bottom ridger	2003-04	10,149	Good condition	ICAR
HD Leveller	2003-04	9,500	Good condition	ICAR
<b>c. AV Aids</b>				
Pico Projector	2016-17	17,467	Good condition	ICAR
Digital camera	2015-16	17,800	Good condition	ICAR
LCD Projector (BENQ)	2015-16	55,620	Good condition	ICAR
Television set	2012-13	8,000	Good condition	ICAR

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Digital camera (NIKON)	2009-10	15,000	Good condition	ICAR
LCD Projector (Epson)	2006-07	84,710	Good condition	ICAR
Digital camera (NIKON)	2005-06	13,600	Good condition	ICAR
Desktop Computer	2016-17	35,000	Good condition	ICAR
Laptop computer	2015-16	43,790	Good condition	ICAR
Laser Printer (RICCO)	2015-16	6,210	Good condition	ICAR
Laser Printer (HP)	2013-14	12,600	Good condition	ICAR
Digital copier with printer	2010-11	46,385	Good condition	ICAR
Desktop Computer	2009-10	29,700	Good condition	ICAR
Laptop computer	2006-07	48,600	Good condition	ICAR
Desktop Computer	2005-06	37,500	Good condition	ICAR

#### D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Tractor operated 9 row seed cum fertilizer drill	2016-17	55,000	Good condition	ICAR
Power weeder	2016-17	42,313	Good condition	ICAR
Tractor operated Rotavator	2016-17	96,900	To be repaired	ICAR
Tractor & accessories	2003-04	2,95,251	Good condition	ICAR
Trailer	2003-04	55,000	Bad condition	ICAR
11 tyne cultivator	2003-04	10,800	Bad condition	ICAR
Cage wheel	2003-04	6,500	Bad condition	ICAR
Terracer blade	2003-04	18,000	Good condition	ICAR
M.B. Plough	2003-04	21,000	Good condition	ICAR
3 bottom ridger	2003-04	10,149	Good condition	ICAR
HD Leveller	2003-04	9,500	Good condition	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.	17.11.2022	45	Activity of production of fish fry, fingerlings and yearlings should increase for the interest of fish farmers.	KVK has produced 18.84 lakhs of fish fry, 57000 nos of fingerlings and 625 kg of yearlings and supplied to fish farmers (total 85 farmers & 195 ha water area)	
2.			The present submerged low land should be thought of for taking pisciculture activities so as to utilize it.	The submerged land has been planned for pisciculture activities under OMBADC (strengthening of existing pisciculture unit)	
3.			KVK has to take up QPM production for guava , pomegranate and cashew utilizing the existing progeny orchards	1220 number of Guava saplings have been produced and supplied to farmers. Pomegranate sapling production is being started this year and cashew sapling production is to be taken from coming year.	
4.			KVK should impart training to farmers / entrepreneurs on orchard management.	Training on Orchard management has been taken up involving 20 farmers for 5 days; another batch of 25 farmers have been oriented in a separate programme for one day. Apart from this, KVK has provided technical support in programmes taken up by Horticulture Deptt. involving 50 farmers and one practical training programme by CHES, Bhubaneswar has been taken up on canopy management involving 50 farmers in which KVK scientist participated as resource person.	
5.			Production of brooded poultry chicks by KVK should be enhanced for providing to farmers.	This year KVK has produced 4250 number of brooded chicks and provided to farmers. Steps are being taken to increase it further by providing additional space for it; it will bring in production of additional 8000 chicks per annum.	
6.			KVK has to work on promotion of goat farming.	One training programme has been taken up by KVK involving 25 farmers of one day duration. UCORSETI has organised one training programme involving 30 farmers of 10 days duration in which KVK scientist provided technical support. KVK scientist is providing technical support to the	



Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
				existing goat farmers (2 numbers) under MKUY which has been promoted by KVK (DPR preparation, online application, credit mobilization & departmental follow up action) out of which subsidy has been released for one unit.	
7.			KVK should impart training to farmers / entrepreneurs on scientific as well as hygienic mushroom cultivation.	KVK has conducted one training programme on scientific mushroom cultivation involving 20 farmers for 5 days, three training programme have been conducted for one day each involving 75 farmers. Three training programme have been conducted by UCORSETI involving 90 farmers for 10 days duration each in which KVK scientist provided technical support.	
8.			KVK should provide support to farmers / entrepreneurs in preparation of Detailed Project Report (DPR) for the projects to be taken up under MKUY.	This year, KVK has prepared DPR for a mushroom production – cum – spawn production – cum – processing unit involving a cost of Rs. 1.33 crores for which go ahead letter has already been issued & loan has been sanctioned. KVK has also provided hand holding support for online application for this case.	
9.			KVK need to develop milk processing units like paneer making unit, cheese making unit etc. inside KVK campus to serve as demo units.	These units have been planned to be established under OMBADC project which is about to be started.	
10.			KVK should provide support to the farmers near the newly constructed Farm Ponds by Soil Conservation Deptt. so as to ensure better and effective utilization of harvested water.	KVK has provided 25000 number of fish fry to five farmers (farm pond beneficiaries).	
11.			KVK to charge some user fee for hot water treatment of mango for meeting the electricity consumption and to run the unit in a sustainable manner.	This year hot water treatment plant could not be utilized due to prevailing COVID-19 situation; this will be duly taken care in coming season.	

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
12.			KVK should utilize every inch of land inside the campus / farm and not a single land should be kept fallow.	All KVK land has been utilized except 2 ha of submerged land which has been planned for pisciculture activities under OMBADC (under strengthening of existing pisciculture unit)	
13.			KVK needs to promote some good varieties of tomato which are very much suitable for processing.	KVK has taken up frontline demonstration of tomato varieties like Arka Rakshak, Arka Samrat etc. and taken up seedling production activity of these varieties; as of now 8560 number of tomato seedlings of these varieties have been sold to farmers during the current financial year.	
14.			KVK should promote preparation of feed from locally available materials for dairy animals	Two training programmes have been organized involving 60 farmers for 10 days duration each on Dairy farming in which farmers have been imparted training on preparation of feed from locally available materials.	
15.			KVK should involve FPOs in its activities and provide technical support to them for making them sustainable	Till now 14 number of FPOs have been formed and registered; KVK is already linked to all the FPOs. CFLD programme on Groundnut and Blackgram is being undertaken by two FPOs. KVK has conducted 5 number of training programmes involving 250 number of farmers with four FPOs. Two FPOs are being linked to e-NAM for ease of marketing.	
16.			KVK has to contact Faculty of Dairy Technology, West Bengal University of Animal and Fishery Sciences, Mohanpur, Nadia, West Bengal for online capacity building of farmers / Animal Scientist.	A training programme is being conducted during 06.12.2021 – 10.12.2021 in virtual mode in which two farmers and one scientist of this KVK is participating.	

*\* 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 (2021)

Sl. No.	Item	Information				
1	Major Farming system/enterprise	Paddy-Groundnut, Paddy-Sesamum, Paddy-Greengram/Blackgram, Groundnut-Groundnut, Paddy-Vegetable /Mushroom and Poultry				
2	Agro-climatic Zone	Mid Central Table Land				
3	Agro ecological situation	6AES 1- RIVER VALLY ALLUVIUM AES 2 - LIGHT TEXTURED LATERITEAES 3 - RED LOAM SOILAES 4 - MEDIUM TEXTURED SANDY LOAMAES 5 - BLACK SOILAES 6 - CLAY & HEAVY CLAY SOIL				
4	Soil type	Red lateritic, sandy loam, alluvial				
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Vegetables	Fruits	Cereals	Pulses	Oilseeds
		Brinjal-16.9 q/ha	Mango-5.81q/ha	Rice-	Pigeonpea-	Groundnut-
		Tomato-14.26 q/ha	Cashew-0.812 q/ha		Blackgram-	Sesame-
		Cauliflower-15.24 q/ha	Watermelon-18.85q/ha			
6	Mean yearly temperature, rainfall, humidity of the district	Rainfall-767mm, Temperature:Max-(33.45°C)-Min-(21.79°C)				
7	Production of major livestock products like milk, egg, meat etc.	Milk-69.42TMT,Egg-64.42Million,Meat-2138.22MT				

Note: Please give recent data only

### 2.b. Details of operational area / villages (2021)

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	Dhenkanal	Sadar	Lambodarpur, Siaria, Tarava, Motori, Majhisahi, Nachipura, Arada, Bhaliabolakateni, kankadapal, Paikadahikar, Talabarkote	Paddy, Mushroom,	Lack of availability of bundle straw	
2	Dhenkanal	Odapada	Paneilo, Mahadia Gobindaprasad, Tamanda, Kandabindha, Kalanga, Kamalang, Indipur, Sariapada	Paddy, Goatery	Lack of green fodder and Pasture land	
3	Dhenkanal	Kamakhyanagar	Jaka, Sogar, Jamujhara	Paddy, Blackgram,	Less irrigated area,	

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
				Greengram, Groundnut	unavailability of groundnut seed locally	
4	Dhenkanal	Gondia	Nabalinga, Dandeibereni,	Vegetables	No marketing outlet other than local haats/ weekly markets	
5	Dhenkanal	Bhuban	Bhuban	Paddy, Groudnut, buffalo	Pasture land, silent heat	
6	Dhenkanal	Parjang	Patharkhumba,	Paddy, Mushroom	Unavailability of bundle straw, irrigation	
7	Dhenkanal	Kankadahad	Brahmania, Sahala, Kalashpur, Pakatmunda	Paddy, NTFP, Goatery	Worm infestation, lack of vaccination	
8	Dhenkanal	Hindol	Babandha, Kukupangi, Baghdadharia, Jharbeda,	Paddy, NTFP, Fish, palmyra palm	Non utilization of plant products	

### 2. c. Details of village adoption programme:

#### Name of the villages adopted by PC and SMS (2020) for its development and action plan

Name of village	Block	Action taken for development
Bhejiboluo	Gondia	OFT, FLD, Training and Biotech Kisan
Khairabahali	Hindol	OFT, FLD, Training and Biotech Kisan
Badrapali	Sadar	OFT, FLD, Training and Biotech Kisan
Parbatia	Sadar	Cluster Borewell for irrigation, Demonstration of Quail, Chabro chicks and mushroom for income generation. OFT on 3-row manual rice transplanter, FLD on management of mushroom beds during summer season, FLD on dual purpose backyard poultry and quail, Distribution of Bina, Sahabhadhan, DRR-42 and DRR-44 rice varieties under STRV trial, Distribution of Eucalyptus seedlings, Mango split preparation by pit method
Kanapala	Kamakhyanagar	FLD on dual purpose backyard poultry, Khaki Campbell ducks and quail and trainings
Balikiari	Hindol	FLD on nutrition garden for nutrition security of the family, backyard poultry, vegetable cultivation, plant protection measure and training
Brajabiharipur	Odapada	Training, FLD on enterprisers
Gurujangulei	Kankadahad	Training, CFLD, FLD

## 2.1 Priority thrust areas

Sl. No	Thrust area
1.	Promotion of improved varieties in oilseed and pulse crops.
2.	Focus on cultivation of oilseed and pulse crops in rice – fallow situation.
3.	Promotion of line sowing in oilseed & pulse crops
4.	Introduction and promotion of commercial fruit crops like guava, ber, custard apple, pomegranate etc.
5.	Drip irrigation system with mulching in horticultural crops
6.	Focus on stall feeding model in case of goatery
7.	Promotion of fodder cultivation and hydroponics
8.	Promotion of advanced fingerlings and yearlings production
9.	Value addition of existing fruits and vegetables.
10.	Promotion of training and pruning in fruit orchard
11.	Scientific management of minor forest produces
12.	Promotion of organic agriculture in the district
13.	Promotion of aromatic crops
14.	Promotion of aqua shops in the district.

## 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		
10		10		70		5	4	6	3	29	23	40	30	70	22		22		220		36	6	16	17	90	55	142	78	220

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	M	F	T
53	53		1745	16	17	19	11	18	66	54	96	150	315	290	5000	912	46	378	103	204	173	333	233	566	
				1	7	7	6	7	7	5	0	5			0	7	5	7	5	50	35	64	35	99	

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
-		7		17	9	5	3	54	32	76	44	120													

Seed production (q)						Planting material (in Lakh)					
Target			Achievement			Target			Achievement		
210			203			100000			336970		

Livestock strains and fish fingerlings produced (in lakh)*						Soil, water, plant, manures samples tested (in lakh)					
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Target	Achievement	Target	Achievement
Fish fry-1200000,Fish fingerlings-150000,Chicks-5000nos	Fish fry-14,33,000, Fish fingerlings-194026,Chicks-5233 nos	55	82

\* 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	5		5	8.32			
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter							
Popular Articles	9		On magji Ladu of Dhenkanal				
Book Chapter							
Extension Pamphlets/ literature	4		1.Jaibika Sara o Jia khata				
			2. PrakritikaKrusha				
			3. Dhana Patitajamitajami re Mugafasala				
			4. PustiNirapatta pain Poshanbagicha				
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	18						

## 1. Achievements on technologies assessed and refined

**OFT-1**

1.	Title of On Farm Trial	Assessment of Integrated Nutrient Management in Bitter Gourd
2.	Problem diagnosed	Low yield due to imbalanced dose of fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Imbalanced dose of fertilizer application TO <sub>1</sub> :RDF + Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients) TO <sub>2</sub> : Application of 75% RDF +vermicompost (2.5ton/ha) + Azotobator: Azospirillum : PSB @1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days) resulted maximum yield in bitter gourd)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1-OUAT, 2014-15 TO2 - OUAT, 2013
5.	Production system and thematic area	Vegetable-Vegetable and INM
6.	Performance of the Technology with performance indicators	Fruit weight, Fruit Length, Number of fruits/ plants, Yield, B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

**Thematic area:** Integrated Nutrient Management

**Problem definition:**Low yield due to imbalanced dose of fertilizer.

**Technology assessed:**

TO1 - RDF + Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn (50 ppm of Mo and 100 ppm each of rest 4 micronutrients)

TO2 - Application of 75% RDF +vermicompost (2.5ton/ha) + Azotobator :Azospirillum : PSB @1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days) resulted maximum yield in bitter gourd)

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	% change	Gross Income (Rs.)	Net income (Rs.)	BC ratio
		Fruit length	Fruit wt.	No. of fruit / plant					
FP	7	7.27	32.14	13.49	8.67		130050	88050	2.10
TO1	7	8.34	35.17	14.53	10.22	17.88	153300	104300	2.13
TO2	7	8.41	37.13	15.56	11.55	33.22	173250	121750	2.36

Results:



## 2. Achievements on technologies assessed and refined

**OFT-2**

1.	Title of On Farm Trial	Assessment of weed management in onion
2.	Problem diagnosed	Low yield & low income due to heavy weed infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Hand weeding TO <sub>1</sub> : Application of oxyfluorfen @ 0.05 kg/ha before planting with one hand weeding at 40-60 days after planting TO <sub>2</sub> : Combined application of Oxyfluorfen 23.5% EC @1ml/litre + Quizalofop ethyl 5%EC @ 2ml/litre at 20-25 DAT & 30-35 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1-OUAT, 2013 TO2-NHRDF6
5.	Production system and thematic area	Vegetable-Vegetable and IWM
6.	Performance of the Technology with performance indicators	Weed control efficiency, Bulb weight, Bulb size, Yield, B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

**Thematic area:** Integrated weed management

**Problem definition:** Low yield & low income due to heavy weed infestation

**Technology assessed:**

TO1-Application of oxyfluorfen @ 0.05 kg/ha before planting with one hand weeding at 40-60 days after planting (AICRP on Onion & Garlic)

TO2- Combined application of Oxyfluorfen 23.5% EC @1ml/litre + Quizalofop ethyl 5%EC @ 2ml/litre at 20-25 DAT & 30-35 DAT

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	% change	Gross Income (Rs.)	Net income (Rs.)	BC ratio
		Weed control efficiency	Bulb weight(g)	Bulb size					
FP	7	89.8	65		206		206000	131000	2.75
TO1	7	77.3	71		224	8.7	224000	147000	2.91
TO2	7	82.1	82		262	27.2	262000	173000	2.94

Results:

## 3. Achievements on technologies assessed and refined

**OFT-3**

1.	Title of On Farm Trial	Assessment of integrated management practices against stem borer in low land rice
2.	Problem diagnosed	Low yield due to stem borer in rice
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Spraying of Triazophos and deltamethrin 2ml/lit TO <sub>1</sub> : Flubendiamide 4% + Buprofezin 20 SC @ 1.75 ml/ l TO <sub>2</sub> : Nursery treatment with fipronil 0.3G @ 20kg/ha followed by soil application of chlorantraniliprole 0.4 G @ 10 kg/ha at 30 days after transplanting (DAT) and need based application based on pest severity
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	TO1-SLREC Proc. 2015 , AICRP on Rice, Chiplima TO2- SLREC Proc. 2018 RRTTS, BBSR, Ranital, Mahisapat&Chiplima
5.	Production system and thematic area	Rice fallow and IPM
6.	Performance of the Technology with performance indicators	Dead Heart %, White ear head %, egg mass/hill, Yield, Net Income, B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

**Thematic area:** Integrated pest management

**Problem definition:** Low yield due to stem borer in rice

**Technology assessed:**

TO1-Flubendiamide 4% + Buprofezin 20 SC @ 1.75 ml/ l

TO2-Nursery treatment with fipronil 0.3G @ 20kg/ha followed by soil application of chlorantraniliprole 0.4 G @ 10 kg/ha at 30 days after transplanting (DAT) and need based application based on pest severity.

Table:

Technology option	No. of trials	Yield component			Gross Cost(Rs.)	Gross Income (Rs.)	Net income (Rs.)	BC ratio
		White ear head / m <sup>2</sup>	Yield (q/ha)	% change in yield				
FP	7	1.37	31.3	-	34800	56340	21540	1.62
TO1	7	1.22	35.6	12.1	35500	64680	28580	1.81
TO2	7	0.79	38.3	18.3	36000	68940	32940	1.92

Results:

## 4. Achievements on technologies assessed and refined

**OFT-4**

1.	Title of On Farm Trial	Assessment of management of wilt complex in brinjal by using Jibamruta and Bijamruta
2.	Problem diagnosed	Yield loss and economic loss due to wilting
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Application of Macozeb + carbendazim 2ml/lit TO <sub>1</sub> : Application of 200 lit of jibamruta /acre with irrigation water or with spray machine at an interval of 15-20 days on standing crop @ 5-6 spray is good for crop. JIbamruta should be utilized within 7 days only. TO <sub>2</sub> : Application of prepared bijamruta for Seed treatment of 100kg seeds, mix it with the seeds well so that bijamruta will be well coated on seeds, dry the mixture under shade before 24 hours of sowing.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Manual of National center for organic and natural farming
5.	Production system and thematic area	Vegetable and Vegetable and Natural Farming
6.	Performance of the Technology with performance indicators	No of affected plants /sq meter, PDI, Yield, Net Income, B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

**Thematic area:** Natural farming.

**Problem definition:** Yield loss and economic loss due to wilting.

**Technology assessed:**

TO<sub>1</sub>: Application of 200 lit of jibamruta /acre with irrigation water or with spray machine at an interval of 15-20 days on standing crop @ 5-6 spray is good for crop. JIbamruta should be utilized within 7 days only.

TO<sub>2</sub>: Application of prepared bijamruta for Seed treatment of 100kg seeds, mix it with the seeds well so that bijamruta will be well coated on seeds, dry the mixture under shade before 24 hours of sowing.

Table:

Technology option	No. of trials	Yield (q/ha)	Gross Cost(Rs.)	Gross Income (Rs.)	Net income (Rs.)	BC ratio
FP	7	215.3	50,000	1,72,240	1,22,240	3.44
TO1	7	209.6	45,000	1,67,680	1,22,680	3.73
TO2	7	207.7	45,000	1,66,160	1,21,160	3.69

Results:

## 5. Achievements on technologies assessed and refined

**OFT-5**

1.	Title of On Farm Trial	Assessment of low cost concentrate mixtures on milk production in dairy
2.	Problem diagnosed	High rate of concentrate feed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Feeding of straw and wheat bran/rice polish (100%) TO <sub>1</sub> : Straw + wheat bran (80%) + GNOC (17%) + mineral mixture (2.5%) + Salt(0.5%) TO <sub>2</sub> : Straw + wheat bran (92%) + GNOC (5%)+mineral mixture(2.5%)+Salt(0.5%)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IGFRI-2017
5.	Production system and thematic area	Semi intensive dairy farming and Feed management
6.	Performance of the Technology with performance indicators	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

**Thematic area:** Feed management

**Problem definition:**High rate of concentrate feed

**Technology assessed:**

TO1-Straw + wheat bran (80%) + GNOC (17%) +mineral mixture (2.5%) + Salt (0.5%)

TO2-Straw+wheat bran (92%) + GNOC (5%) + mineral mixture (2.5%) + Salt (0.5%)

Table:

Technology option	No. of trials	Yield component		Gross return/cow/6 months (Rs.)	Net return/cow/6 months (Rs.)	BC ratio
		Milk production (l / day /cow)	Bulb Mean Fat and SNF%			
FP	7	5.26	3.34 and 7.56	28500	11500	1.67
TO1	7	6.16	4.76 and 8.45	38500	20400	2.12
TO2	7	5.89	4.38 and 7.95	36400	17500	1.92

Results:

## 6. Achievements on technologies assessed and refined

**OFT-6**

1.	Title of On Farm Trial	Assessment of low cost feed formulation for rural poultry
2.	Problem diagnosed	High cost of feed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Feeding of broken rice and concentrate feeding for one month with open grazing TO <sub>1</sub> : Low cost feed (brewer's dried grain, cashew apple waste, rice kani, cowpea leaves, un-conventional cereals like bajra, ragi and poultry hatchery waste)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CARI, 2019
5.	Production system and thematic area	Semi –intensive and Feed management
6.	Performance of the Technology with performance indicators	Reduction in feed cost, Body weight gain (Yield (kg/bird), B:C ratio)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

*Thematic area:*

Problem definition:

Technology assessed:

TO<sub>1</sub>: Low cost feed (brewer's dried grain, cashew apple waste, rice kani, cowpea leaves, un-conventional cereals like bajra, ragi and poultry hatchery waste)

Table:

Technology option	No. of trials	Feed cost (Rs.)	% reduction in cost	Body wt. grain (kg)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
			Result awaited				

Results:

## 7. Achievements on technologies assessed and refined

**OFT-7**

1.	Title of On Farm Trial	Assessment of adoption rate of bio-fortified sweet potato varieties for nutritional security of farm family
2.	Problem diagnosed	Poor nutritional security of farm family
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Cultivation of local variety Kanchan gada TO <sub>1</sub> : Variety Bhukrishna (Anthocyanin 90.0 mg / 100 gm), tuber yield 18 t / ha, dry matter 24.0 – 25.5, starch 19.5 % total sugar 1.9–2.2 % TO <sub>2</sub> : Variety Bhusona (pro vitamin – A 14.0 mg / 100 gm), tuber yield 19.8 t / ha, dry matter 27.0 – 29.0, starch 20 % total sugar 2.0 – 2.4 %
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CTCRI, BBSR, 2019
5.	Production system and thematic area	Vegetable –Vegetable and Nutritional security
6.	Performance of the Technology with performance indicators	Adoption %, Nutrient availability, Sensory Evaluation, Yield, Net Income, BC ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

*Thematic area:* Nutritional security

*Problem definition:* Poor nutritional security of farm family

*Technology assessed:*

TO<sub>1</sub>: Variety Bhukrishna (Anthocyanin 90.0 mg / 100 gm), tuber yield 18 t / ha, dry matter 24.0 – 25.5, starch 19.5 % total sugar 1.9–2.2 %

TO<sub>2</sub>: Variety Bhusona (pro vitamin – A 14.0 mg / 100 gm), tuber yield 19.8 t / ha, dry matter 27.0 – 29.0, starch 20 % total sugar 2.0 – 2.4 %

*Table:*

Technology option	No. of trials	Sensory evaluation	Yield (q/ha)	% increase in yield	Gross cost Rs./ha	Gross Return Rs./ha	Net Return Rs./ha	BC ratio
FP	7	8	115		92,000	1,76,000	84,000	1.91
TO1	7	5	174	51.3	1,22,000	2,61,500	1,39,500	2.14
TO2	7	7	188	63.4	1,27,000	2,82,500	1,55,500	2.22

Results:

## 8. Achievements on technologies assessed and refined

**OFT-8**

1.	Title of On Farm Trial	Assessment of value addition of tender jackfruit
2.	Problem diagnosed	Poor income due to no value addition of tender jack fruit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Manual peeling of Jackfruit TO1: Peeling of Jackfruit by knife/ paniki, cut into pieces and packed in polythene. TO2: Peeling by Jackfruit Peeler (Surface cleaning / dirt removal by washing , Peeling and cutting into pieces. Dipping in 0.5% (w/v) Citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10°C )
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on PHET-2016-17
5.	Production system and thematic area	Homestead and Value addition
6.	Performance of the Technology with performance indicators	Peeling capacity, Efficiency, Self life, Sensory Evaluation, Incremental income (Rs),Net Income (Rs),B:C Ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

*Thematic area:*

Problem definition:

Technology assessed:

TO1-Surface cleaning / dirt removal by washing , Peeling and cutting into pieces. Dipping in 0.5% (w/v) Citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10°C

Table:

Technology option	No. of trials	Peeling capacity (kg/hr)	Self life	Sensory evaluation	Gross cost (Rs./kg)	Gross income (Rs/kg)	Net income (Rs./kg)	B:C ratio
FP	1	1 hr	2	10	20	10	2.0	1
TO1	55	1 day	4	12	25	13	2.3	55
TO2	65	5 days	6	13	28	15	2.15	65

Results:

## 9. Achievements on technologies assessed and refined

**OFT-9**

1.	Title of On Farm Trial	Assessment of inter crops in Cashew based agro-forestry system
2.	Problem diagnosed	Inter space remain un utilized and economic return in initial year is nil or very less
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Mono cropping of cashew TO <sub>1</sub> : Cultivation of sesame as intercrop in Cashew plantation during initial three years of establishment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Agroforestry, OUAT, 2016-17
5.	Production system and thematic area	Integrated farming system
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	Cultivation of sesame as intercrop in Cashew plantation during initial three years of establishment
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

*Thematic area:* Agroforestry

Problem definition: Inter space remain unutilized and economic return in initial year is nil or very less

Technology assessed:

TO<sub>1</sub>: Cultivation of sesame as intercrop in Cashew plantation during initial three years of establishment

Table:

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs.)	Gross income (Rs/kg)	Net income (Rs./kg)	B:C ratio
FP						
TO1	7	5.6	24000	44800	20800	1.8

Results:



## 10. Achievements on technologies assessed and refined

**OFT-10**

1.	Title of On Farm Trial	Assessment pulses as intercrop in Cashew plantation
2.	Problem diagnosed	Inter space remain unutilized and no income in the initial year
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP:Mono cropping of Mango TO <sub>1</sub> :Cultivation of Black gram as intercrop in Mango plantation TO <sub>2</sub> :Cultivation of green gram as intercrop in Mango plantation
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on Agroforestry, OUAT, 2013-14
5.	Production system and thematic area	Integrated farming system
6.	Performance of the Technology with performance indicators	Yield (q/ha) Additional income over additional expenditure B:C ratio
7.	Final recommendation for micro level situation	Cultivation of Black gram as intercrop in Mango plantation
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

*Thematic area:* Agroforestry

Problem definition: Inter space remain unutilized and no income in the initial year

Technology assessed:

TO<sub>1</sub>:Cultivation of Black gram as intercrop in Mango plantation

TO<sub>2</sub>:Cultivation of green gram as intercrop in Mango plantation

Table:

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs.)	Gross income (Rs/kg)	Net income (Rs./kg)	B:C ratio
FP						
TO1	7	2.7	10280	21600	11320	2.1
TO2		2.55	10280	20400	10120	1.98

Results:

## 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	

## Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O					

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
Sesame	CFLD	Improved variety seeds (GT -10)	50	20	6.3	3.6	75%	24,000	50,400	26,400	2.1	18,300	23,400	5100	1.27
Groundnut	CFLD	Improved variety KadiriLepakshi - 1812 seeds	25	10	23.4	15.4	51.95	44,500	1,17,020	72,520	2.63	40,600	77,020	36,420	1.9
Sunflower	CFLD	Improved variety KBSH-53 seeds	50	20	11.88	9.7	22.48	28800	59380	30580	2.06	25900	48480	22580	1.87
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
Pigeon Pea	CFLD	Improved variety LRG-52 seeds	25	10	11.49	7.97	44.15	33418	68952	35534	2.06	30200	47832	17632	1.58
Total			25	10	11.49	7.97	44.15	33418	68952	35534	2.06	30200	47832	17632	1.58

\* 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
Banana	Cultivation of Fruit	Demonstration of bunch feeding technology to increase bunch weight and finger size in banana	10	0.04	408.8	275	48.65				817500	630000	3.36		550000	375000	2.14
Mango	Cultivation of Fruit	Demonstration of plant growth regulators for crop regulation in mango	10	Result awaited													
Tomato		Demonstration of application of micronutrients for increasing marketable fruit yield in tomato	10	1	578.2	280.9	105.83	Fruit wt(g)-70	Fruit wt(g)-58			408000	2.40			180900	2.01

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
Marigold	Commercial floriculture	Demonstration of marigold variety Bidhan marigold-2 for higher yield	10	1	138	124	10.14	Flower /plant-28.25	Flower /plant -17.12			196000	3.45			173000	3.31
Rice	IPM	Demonstration on integrated management practices against BPH/WBPH in rice	10	5	37.2	28.5	30.52	Hopper/hill 3.6	Hopper/hill 15.6	37500	66960	29460	1.79	34800	51300	16500	1.47
Sugarcane	IPM	Demonstration on management of Top Shoot borer in sugarcane	10	5	78.4mt/ha	71.88mt/ha	9.07	Dead heart (%) 12.2	Dead heart (%) 4.8	133500	209563	76063	1.57	127500	192135	64635	1.51

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
Cabbage	IPM	Demonstration of management of diamond back moth in Cabbage	10	0.6	259.6	250.5	159.6			53000	181720	128720	3.43	51500	175350	123850	3.40
Mango	IDM	Demonstration on management of anthracnose in mango	10	0.4	Result awaited												
Pineapple		Demonstration of pine apple in Mango based Agri-horticultural system	10	0.4	Result awaited												
Broomgrass		Demonstration on cultivation of broom grass for enhancing income for rural livelihood	10	0.4	Result awaited												



**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	Disease management	Demonstration on Teat dip formulation for prevention and control of mastitis in dairy cattle	10	10	Milk Production/ Day-12.5l	Milk Production/ Day-10.5l	16.7	Decrease in incidence of clinical mastitis (%) -67	-	(Rs./ animal/ day)-145	(Rs./ animal/ day)-464	318	2.18	(Rs./ animal/ day)-142	(Rs./ animal/ day)-399	257	1.8
Dairy	Feed management	Demonstration on bypass fat feeding for increasing milk production in dairy cows	10	10	Average daily milk yield (kg)-7.2	Average daily milk yield (kg)-6.5	10.76	Milk fat and SNF (%) -3.6	Milk fat and SNF (%) -3.2	(Rs. / animal / day)-230	(Rs. / animal / day)-360	(Rs. / animal / day)-130	1.56	(Rs. / animal / day)-220	(Rs. / animal / day)-292	(Rs. / animal / day)-72	1.32





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	
Others (pl. specify)																		
<b>Total</b>																		

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

#### Fisheries

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

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

\*\* BCR= GROSS RETURN/GROSS COST

#### Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

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																
Paddystraw mushroom	Demonstration on paddy straw cutter for mushroom cultivation	10	10	Labour cost for Straw cutting (Rs/bed) -4	Labour cost for Straw cutting (Rs/bed) -10	-	-	-	for production of 1 kg mushroom-64	Rs/bed -150	Rs/bed-86	2.34	for production of 1 kg mushroom-70	Rs/bed -150	Rs/bed-80	2.14	
Paddystraw mushroom	Demonstration of crumpled paddy straw for mushroom cultivation as an alternative substrate	10	10	Production / unit (kg / bed) - 0.7	Production / unit (kg / bed) -1	-	Biological efficiency (%) -14	Biological efficiency (%) -10	(Rs./bed) -40	(Rs./bed) -140	(Rs./bed) -100	3.5	(Rs./bed) -70	(Rs./bed) -200	(Rs./bed) -130	2.8	

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
Paddystraw mushroom	Demonstration on packaging and storage method for shelf-life enhancement and transportation of paddy straw mushroom	10	10	Shelf life (days) - 3	Shelf life (days) - 1	-	Sensory evaluation -8	Sensory evaluation -6	(Rs./6kg)-438	(Rs./6kg)-900	(Rs./6kg)-462	2.05	(Rs./6kg)-420	(Rs./6kg)-750	(Rs./6kg)-330	1.7
Ragi thresher cum pearler	Demonstration of Ragi thresher cum pearler	10	10	Output (kg/hr) - 77.4	Output (kg/hr) - 6.2	-	Threshing Efficiency (%) -89	Threshing Efficiency (%) -83	Cost of Threshing (Rs./q)-220				Cost of Threshing (Rs./q)-640			
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl. specify)																
<b>Total</b>																

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







## Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
	GT 10	High yielding variety accepted by farmers
	LRG 52	Variety is highly appreciated by farmers
	Kalinga Raj	FAW attacked at silking stage

## Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	1.11.2022	1	50	CFLD Sesame Kharif 2022
		21.01.2023	1	50	CFLD (Pigeon Pea)Kharif, 2022
		27.03.2023	1	50	CFLD Sunflower Rabi 2022-23
		27.03.2023	1	50	CFLD Groundnut Rabi 2022-23
2.	Farmers Training	25.08.2022	1	25	CFLD Sesame
		30.08.2022	1	25	CFLD Sesame
		06.03.2023	1	50	CFLD Sunflower Rabi 2022-23
		20.03.2023			CFLD Groundnut Rabi 2022-23
3.	Media coverage				
4.	Training for extension functionaries				

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

## A. Technical Parameters:

Sl. No	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1	Sesame	Local	3.6	6.4	-	-	GT 10	50	20	6.4	4.9	5.67	-	-	-
2	Pigeon Pea	Local	7.97	-	-	-	LRG 52	25	10	-	-	-	-	-	-
3	Groundnut	Local	15.4	-	-	-	Kadirilepakshi 1812	25	10	-	-	23.4	-	-	-
4	Sunflower	Local	9.7	-	-	-	KBSH 53	50	20	-	-	11.8	-	-	-



**B. Economic parameters**

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	GT 10	18300	23400	5100	1.7	24000	50400	26400	4.27
2	LRG 52	30200	47832	17632	1.58	33418	68952	35534	2.06
3	KBSH 53	25900	48480	22580	1.87	28800	59380	30580	2.06
4	KadiriLepakshi 1812	40600	77020	36420	1.9	44500	117020	72520	2.63

**C. Socio-economic impact parameters**

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Sesame var GT 10	-	-	70/-	13.3	213.7	-	-

**D. Oilseed Farmers' perception of the intervention demonstrated**

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	Improved seeds (GT 10), Release of Trichocards @ 50,000 eggs per Ha, Spraying of Profenophos @ 2 ml/ltr of water for leaf eating caterpillar	Yes	-	-	No	Variety was highly appreciated by farmers	-
2	Improved variety LRG-52 seeds	Yes	-	-	No	Variety was highly appreciated by farmers	

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
3	Improved variety KadiriLepakshi - 1812 seeds	Yes	-	-	No	Variety was highly appreciated by farmers	
4	Improved variety KBSH-53 seeds	Yes	-	-	No	Variety was highly appreciated by farmers	

#### E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
High yielding Sesame	Yield was appreciated by farmers	Improved seeds (GT 10), Release of Trichocards @ 50,000 eggs per Ha, Spraying of Profenophos @ 2 ml/ltr of water for leaf eating caterpillar	High income performed by this variety

#### F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Seed treatment	30.08.2022	50
2	Training programme	30.08.2022	25
3	Field visit	25.08.2022	21
4	Trichocard Installation	09.09.2022	28
5	Field Day	01.11.2022	50

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

### CFLD Sesame



### CFLD Pigeon Pea



### CFLD Sunflower



**CFLD Groundnut**



**H. Farmers' training photographs**



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



Latitude: 20.73771  
 Longitude: 85.794198  
 Elevation: 65.84±5 m  
 Accuracy: 4.4 m  
 Time: 25/04/2023 09:48  
 Note: CFLD Groundnut Guduripudi

**J. Details of budget utilization**

Crop (provide crop wise information )	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame	i) Critical input	90000	33777	56223
	ii) TA/DA/POL etc. for monitoring	10000	9426	574
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	100000	43203	56797

Crop (provide crop wise information )	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame	i) Critical input	81000	44874	36126
	ii) TA/DA/POL etc. for monitoring	9000	8775/-	225
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	90000	53649	36351

Crop (provide crop wise information )	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame	i) Critical input	108000	102276	5724
	ii) TA/DA/POL etc. for monitoring	12000	8597	3403
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	120000	110873	9127

Crop (provide crop wise information )	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame	i) Critical input	108000	106947	1153
	ii) TA/DA/POL etc. for monitoring	12000	11728	272
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	120000	118675	1325









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			
<b>V. Home Science/Women empowerment</b>				0			0			0			0
Household food security by kitchen gardening and nutrition gardening				0			0			0			0
Design and development of low/minimum cost diet				0			0			0			0
Designing and development for high nutrient efficiency diet				0			0			0			0
Minimization of nutrient loss in processing				0			0			0			0
Processing & cooking				0			0			0			0
Gender mainstreaming through SHGs				0			0			0			0
Storage loss minimization techniques				0			0			0			0
Value addition				0			0			0			0
Women empowerment				0			0			0			0
Location specific drudgery reduction technologies				0			0			0			0
Rural Crafts				0			0			0			0
Women and child care				0			0			0			0
Others	4	21	66	87	0	16	16	2	0	2	23	82	105
<b>Total</b>	<b>4</b>	<b>21</b>	<b>66</b>	<b>87</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>23</b>	<b>82</b>	<b>105</b>
<b>VI. Agril. Engineering</b>				0			0			0			0
Farm machinery & its maintenance				0			0			0			0
Installation and maintenance of micro irrigation systems				0			0			0			0
Use of Plastics in farming practices	1	13	8	21	0	0	0	3	1	4	16	9	25
Production of small tools and implements				0			0			0			0
Repair and maintenance of farm machinery and implements				0			0			0			0
Small scale processing and value addition				0			0			0			0
Post Harvest Technology				0			0			0			0
Others	2	0	38	38	0	7	7	2	3	5	2	48	50
<b>Total</b>	<b>3</b>	<b>13</b>	<b>46</b>	<b>59</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>18</b>	<b>57</b>	<b>75</b>

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			
<b>VII. Plant Protection</b>				0			0			0			0
Integrated Pest Management				0			0			0			0
Integrated Disease Management				0			0			0			0
Bio0control of pests and diseases				0			0			0			0
Production of bio control agents and bio pesticides				0			0			0			0
Others				0			0			0			0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>VIII. Fisheries</b>				0			0			0			0
Integrated fish farming				0			0			0			0
Carp breeding and hatchery management				0			0			0			0
Carp fry and fingerling rearing				0			0			0			0
Composite fish culture				0			0			0			0
Hatchery management and culture of freshwater prawn				0			0			0			0
Breeding and culture of ornamental fishes				0			0			0			0
Portable plastic carp hatchery				0			0			0			0
Pen culture of fish and prawn				0			0			0			0
Shrimp farming				0			0			0			0
Edible oyster farming				0			0			0			0
Pearl culture				0			0			0			0
Fish processing and value addition				0			0			0			0
Others				0			0			0			0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>IX. Production of Input at site</b>				0			0			0			0
Seed Production				0			0			0			0
Planting material production				0			0			0			0
Bio0agents production				0			0			0			0
Bio0pesticides production				0			0			0			0
Bio0fertilizer production				0			0			0			0
Vermi0compost production				0			0			0			0
Organic manures production				0			0			0			0
Production of fry and fingerlings				0			0			0			0

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 Bee colonies and wax sheets				0			0			0			0
Small tools and implements				0			0			0			0
Production of livestock feed and fodder				0			0			0			0
Production of Fish feed				0			0			0			0
Mushroom production				0			0			0			0
Apiculture				0			0			0			0
Others				0			0			0			0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>X. Capacity Building and Group Dynamics</b>				0			0			0			0
Leadership development				0			0			0			0
Group dynamics				0			0			0			0
Formation and Management of SHGs				0			0			0			0
Mobilization of social capital				0			0			0			0
Entrepreneurial development of farmers/youths				0			0			0			0
WTO and IPR issues				0			0			0			0
Others				0			0			0			0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>XI. Agro forestry</b>				0			0			0			0
Production technologies	1	0	3	3	1	0	1	5	16	21	6	19	25
Nursery management	1	1	1	2	0	4	4	3	16	19	4	21	25
Integrated Farming Systems				0			0			0			0
Others				0			0			0			0
<b>Total</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>1</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>32</b>	<b>40</b>	<b>10</b>	<b>40</b>	<b>50</b>
<b>XII. Others (Pl. Specify)</b>				0			0			0			0
<b>GRAND TOTAL</b>	<b>10</b>	<b>47</b>	<b>129</b>	<b>176</b>	<b>1</b>	<b>27</b>	<b>28</b>	<b>15</b>	<b>36</b>	<b>51</b>	<b>51</b>	<b>179</b>	<b>230</b>



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			
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	1	0	9	9	0	5	5	0	1	1	0	15	15
<b>Total</b>	1	0	9	9	0	5	5	0	1	1	0	15	15

**C) Extension Personnel (on campus)**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
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	1	4	6	10	1	4	5	0	0	0	5	10	15
Other													
<b>Total</b>	1	4	6	10	1	4	5	0	0	0	5	10	15













Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST						
		M	F	T	M	F	T	M	F	T	M	F	T	
Mobilization of social capital														
Entrepreneurial development of farmers/youths														
WTO and IPR issues														
Others														
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>XI. Agro forestry</b>														
Production technologies	2	30	10	64	1	0	1	5	4	9	36	14	50	
Nursery management	1	24	0	24	1	0	1	0	0	0	25	0	25	
Integrated Farming Systems	2	12	34	46	1	3	4	0	0	0	13	37	50	
Others	6	2	57	59	5	19	24	34	33	67	41	109	150	
<b>Total</b>	<b>11</b>	<b>68</b>	<b>101</b>	<b>193</b>	<b>8</b>	<b>22</b>	<b>30</b>	<b>39</b>	<b>37</b>	<b>76</b>	<b>115</b>	<b>160</b>	<b>275</b>	
<b>XII. Others (Pl. Specify)</b>														
<b>GRAND TOTAL</b>	<b>51</b>	<b>311</b>	<b>379</b>	<b>714</b>	<b>82</b>	<b>185</b>	<b>267</b>	<b>101</b>	<b>217</b>	<b>318</b>	<b>494</b>	<b>781</b>	<b>1275</b>	

#### E)RURAL YOUTH (Off Campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Small scale processing														
Post Harvest Technology														
Tailoring and Stitching														
Rural Crafts														
Production of quality animal products														
Dairying	2	0	1	1	0	0	0	18	11	29	18	12	30	
Sheep and goat rearing														
Quail farming														
Piggery														
Rabbit farming														
Poultry production														
Ornamental fisheries														
Composite fish culture														
Freshwater prawn culture														
Shrimp farming														
Pearl culture														
Cold water fisheries														
Fish harvest and processing technology														
Fry and fingerling rearing														
Others	1	0	8	8	0	0	0	0	7	7	0	15	15	
<b>Total</b>	8	10	25	35	1	5	6	49	34	83	60	60	120	

#### 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	1	12	02	14	0	0	0	0	1	1	12	3	15	
Protected cultivation technology														
Production and use of organic inputs														
Care and maintenance of farm machinery and	1	12	02	14	0	0	0	0	1	1	12	3	15	

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
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	1	6	7	13	0	0	0	1	1	2	7	8	15	
Livestock feed and fodder production														
Household food security														
Plant Protection	1	8	5	13	0	0	0	0	2	2	8	7	15	
Other	1	10	1	11	2	1	3	0	1	1	12	3	15	
<b>Total</b>	<b>5</b>	<b>48</b>	<b>17</b>	<b>65</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>51</b>	<b>24</b>	<b>75</b>	













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				
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>XI. Agro forestry</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	3	30	13	67	2	0	2	10	20	30	42	33	75	
Nursery management	2	25	1	26	1	4	5	3	16	19	29	21	50	
Integrated Farming Systems	2	12	34	46	1	3	4	0	0	0	13	37	50	
Others	6	2	57	59	5	19	24	34	33	67	41	109	150	
<b>Total</b>	13	69	105	198	9	26	35	47	69	116	125	200	325	
<b>XII. Others (Pl. Specify)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>GRAND TOTAL</b>	61	358	508	890	83	212	295	116	253	369	545	960	1505	



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			
Fish harvest and processing technology													
Fry and fingerling rearing													
Others	1	0	9	9	0	5	5	0	1	1	0	15	15
PP	1	0	2	2	0	2	2	6	5	11	6	9	15
<b>Total</b>	<b>9</b>	<b>10</b>	<b>28</b>	<b>38</b>	<b>1</b>	<b>12</b>	<b>13</b>	<b>55</b>	<b>33</b>	<b>88</b>	<b>66</b>	<b>69</b>	<b>135</b>

### iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards	1	12	2	14	0	0	0	0	1	1	12	3	15
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements	1	12	2	14	0	0	0	0	1	1	12	3	15
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	1	6	7	13	0	0	0	1	1	2	7	8	15
Livestock feed and fodder production													
Household food security	1	4	6	10	1	4	5	0	0	0	5	10	15
PP	1	8	5	13	0	0	0	0	2	2	8	7	15
Other	1	10	1	11	2	1	3	0	1	1	12	3	15
<b>Total</b>	<b>6</b>	<b>50</b>	<b>23</b>	<b>75</b>	<b>3</b>	<b>5</b>	<b>8</b>	<b>1</b>	<b>6</b>	<b>7</b>	<b>56</b>	<b>45</b>	<b>90</b>



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
Forestry	F/FW	Resin tapping in sal	1	Off	0	25	25	0	3	3
Forestry	F/FW	Value addition of Mahua flower	1	Off	1	24	25	1	0	1
Forestry	F/FW	Macro propagation of bamboo	1	On	4	21	25	5	4	9
Forestry	F/FW	Plants suitable for fuel wood, construction wood and pulp wood	1	Off	21	4	25	5	4	9
Forestry	F/FW	Nursery technique of selected tree species	1	Off	25	0	25	1	0	1
Forestry	F/FW	Importance herbal plants for entrepreneurship development	1	Off	15	10	25	1	0	1
Forestry	F/FW	Preparation of incense stick from locally available raw material	1	Off	5	20	25	3	10	13
Forestry	F/FW	Preparation of mango split by pit method	1	Off	15	10	25	15	9	24
Forestry	F/FW	Cashew based Agro forestry system	1	Off	9	16	25	1	3	4
Forestry	F/FW	Pine apple as intercrop in Mango orchards	1	Off	4	21	25	0	0	0
Forestry	F/FW	Package of practice of Broom grass	1	On	6	19	25	1	3	4
Forestry	F/FW	Value addition of char seed	1	Off	10	15	25	10	15	25
Forestry	F/FW	Preparation of	1	Off	10	15	25	10	15	25

		molasses from Palmyra palm Sap								
Forestry	Rural youth	Nursery technique of forest tree species	1	Off	6	9	15	0	3	3
Forestry	Rural youth	Preparation of soap from Mahua butter	1	Off	3	12	15	3	7	10
Forestry	In-service	Different agro forestry models for sustainable land management	1	Off	12	3	15	2	2	4
Agril. Engineering	F/FW	Use of tractor operated rotavator for secondary tillage	1	Off	3	22	25	2	7	9
Agril. Engineering	F/FW	Use of tractor operated multi-crop planter for sowing of groundnut	1	On	2	23	25	2	3	5
Agril. Engineering	F/FW	Use of power weeder for weeding in banana orchard	1	On	0	25	25	0	7	7
Agril. Engineering	F/FW	Mechanization in rice cultivation	1	Off	5	20	25	1	5	6
Agril. Engineering	F/FW	Mulching in vegetable crops for water conservation and suppression of weeds	1	On	16	9	25	3	1	4
Agril. Engineering	RY	Use of micro irrigation system in horticultural crops	1	Off	10	5	15	6	0	6
Agril. Engineering	IS	Farm mechanization for reduction of cost, labour & time	1	Off	12	3	15	0	1	1
Animal science	F/FW	Rearing of low input poultry breed Aseel in backyard system	1	Off	6	19	25	6	19	25
Animal science	F/FW	Cactus as an alternative source of fodder	1	Off	13	12	25	1	3	4
Animal science	F/FW	Use of different	1	Off	5	20	25	5	20	25

		fodder in different species of animals								
Animal science	F/FW	Information on different teat dips formulation for prevention and control of mastitis in dairy cattle	1	Off	8	17	25	6	17	23
Animal science	F/FW	Different types of mastitis and measures taken for prevention and control of mastitis	1	Off						
Animal science	F/FW	Production performance of different dual purpose breeds in semi intensive backyard condition	1	Off	10	15	25	5	5	10
Animal science	RY	Effect of UMMB supplementation on milk production	1	Off	14	1	15	14	1	15
Animal science	F/FW	Importance of bypass fat feeding in the diet of dairy cattle	1	Off	7	18	25	0	15	15
Animal science	F/FW	Different low cost concentrate mixtures on milk production in dairy cows	1	Off	0	25	25	0	25	25
Animal science	F/FW	Low cost feed formulation for rural poultry	1	Off	11	14	25	11	14	25
Animal science	RY	Training on silage preparation from maize	1	Off	4	11	15	4	10	14
Animal science	F/FW	Vaccination schedule of different diseases	1	Off	13	12	25	8	0	8

		of different species of animals								
Animal science	IS	Different diseases of animals and their management practices	1	Off	7	8	15	1	1	2
Home science	F/FW	Mainstreaming women owned enterprises in pulses value chain	1	Off	0	13	13	0	12	12
Home science	F/FW	Promotion of nutrition sensitive agriculture through farm women	1	Off	0	2	2	0	23	23
Home science	F/FW	Value Addition and Processing of Tomato: Towards strengthening Tomoto Value Chain	1	Off	0	22	22	0	3	3
Home science	F/FW	Pathways to HH nutrition security for achievement of sustainable development goal	1	Off	0	12	12	0	13	13
Home science	F/FW	Transforming and scaling up women owned mushroom farming enterprise	1	Off	0	22	22	0	3	3
Home science	F/FW	Practical approaches to post harvest management of	1	On	0	20	20	0	5	5

		mushroom production								
Home science	F/FW	Popularization of best practices for achievement of health and sanitation	1	On	0	22	22	0	3	3
Home science	F/FW	Supporting Business Plan Development of HH enterprises	1	Off	0	0	0	0	25	25
Home science	F/FW	Drudgery reduction of farm women through women friendly smart equipments and machinaries	1	On	0	17	17	0	8	8
Home science	F/FW	Importance and nutritional value of sweet potato in human diet for nutritional security	1	Off	0	0	0	0	25	25
Home science	F/FW	Training cum awareness programme for management of FPOs	1	On	21	7	28	2	0	2
Home science	RY	Supporting profitability and technology options for women owned enterprises involving members of SHGs	1	Off	0	8	8	0	7	7
Home science	RY	Skill upgradation of	1	On	0	9	9	0	6	6

		rural youth contributing to business development of FPOs								
Home science	IS	Promotion of nutri smart villages by popularizing home nutrition garden	1	On	4	6	10	1	4	5
Horticulture	F/FW	Nutrient management of Bitter Gourd.	1	Off	17	8	25	0	0	0
Horticulture	F/FW	Organic vegetable cultivation	1	Off	0	0	0	7	18	25
Horticulture	F/FW	Fertilizer Management in Banana crop	1	Off	4	5	9	2	14	16
Horticulture	RY	Fertilizer Management in Mango Orchard	1	Off	0	0	0	8	7	15
Horticulture	F/FW	Nutrient management of Tomato	1	Off	13	12	25	0	0	0
Horticulture	F/FW	Cultivation practices of Tuber crop	1	Off	0	0	0	25	0	25
Horticulture	F/FW	Post harvest management of Mango	1	Off	0	2	2	0	23	23
Horticulture	F/FW	Fertilizer management in Chilly	1	Off	10	12	22	0	3	3
Horticulture	F/FW	Protected cultivation of off season vegetables	1	On	12	13	25	0	0	0
Horticulture	F/FW	Production	1	Off	23	2	25	0	0	0

		Technology of Minor Fruits								
Horticulture	F/FW	Integrated crop Management of marigold	1	Off	6	15	21	1	3	4
Horticulture	F/FW	Production technology of cole crop cultivation	1	Off	19	6	25	0	0	0
Horticulture	IS	Preparation techniques of ornamental plants	1	Off	10	1	11	2	2	4
Plant Protection	F/FW	Use of biopesticides in vegetables								
Plant Protection	F/FW	Training on use of IPM practices for management of leaf folder and stem borer in rice	1	Off	1	2	3	5	17	22
Plant Protection	F/FW	Training on management of wilting in brinjal with organic mixture	1							
Plant Protection	F/FW	Training on use of IPM for FAW in maize	1	Off	0	2	2	0	23	23
Plant Protection	F/FW	Training on use of IDM practices for management of blast sheath blight and BLB disease in rice	1	Off	18	4	22	2	1	3

Plant Protection	F/FW	Training on use of IPM practices for sugarcane pest	1	OFF	1	1	2	12	11	23
Plant Protection	F/FW	Training on use of IPM practices for management of sucking pest papaya	1	Off	0	0	0	16	9	25
Plant Protection	F/FW	Training on use of IPM practices for management of sucking pest in pointed gourd	1	Off	12	9	21	4	0	4
Plant Protection	F/FW	Training on integrated disease management in mango	1	Off	25	0	25	0	0	0
Plant Protection	F/FW	Training on integrated pest management in cabbage	1	Off	17	2	19	2	4	6
Plant Protection	F/FW	Stored grain pest	1	Off	9	15	24	0	1	1
Plant Protection	F/FW	Use of IPM practices for management of BPH/WBPH in rice	1	Off	16	0	16	9	0	9
Plant Protection	RY	IPM practices for ,management of different insects in mango	1	Off	6	9	15	0	0	0
Plant Protection	IS	Use of newer molecules for management of insects in vegetables	1	Off	8	7	15	0	0	0







Seed production													
Sericulture													
Mushroom cultivation	1	0	0	0	3	17	20	0	0	0	3	17	20
Nursery, grafting etc.													
Tailoring, stitching, embroidery, dying etc.													
Agril. Para-workers, para-vet training													
Other													
<b>Total</b>													
<b>Agricultural Extension</b>													
Capacity building and group dynamics													
Other													
<b>Total</b>													
<b>Grand Total</b>													

### 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			
1	Paddy straw mushroom production/ commercial mushroom production	Home stead	March	5	RY	1	20	OMBADC
2	Garden Keeper	Income generation	March- April	27	F/FW and RY	1	20	ASCI



management														
Animal Nutrition Management														
Animal Disease Management														
Fisheries Nutrition														
Fisheries Management														
Other														
Total														
<b>Home Science</b>														
Household nutritional security														
Economic empowerment of women														
Drudgery reduction of women														
Other	1	13	5	18	2	0	2	0	0	0	15	5	20	
Total														
<b>Agricultural Extension</b>														
Capacity Building and Group Dynamics														
Other														
Total														
<b>Grant Total</b>	2	30	6	38	5	0	5	0	0	0	34	6	40	





Others, please specify.																			
Total	380	5700																	

## 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									
<b>Dairy animals</b>																				
Cows																				
Buffaloes																				
Calves																				
Others (Pl. specify)																				
<b>Small ruminants</b>																				
Sheep																				
Goat																				
Other, please specify																				
<b>Poultry</b>																				
Broilers																				
Layers																				
Duals (broiler and layer)	BPR, Aseel, Colour Broiler	5233	397420																	
Japanese Quail																				
Turkey																				
Emu																				
Ducks																				
Others (Pl. specify)																				
<b>Piggery</b>																				
Piglet																				
Hog																				
Others (Pl. specify)																				
<b>Fisheries</b>																				
Indian carp																				
Exotic carp																				
Mixed carp																				
Fish fingerlings	IMC	194026	148297																	
Spawn																				
Yearlings	IMC	600kg	1,32,000																	
Fish Fry	IMC	14,33,000	3,15,260																	
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 &amp; reference)

Item	Title	Author's name	Number	Circulation
Research paper				
Seminar/conference/ symposia papers	Impact of organic seed palleting on seed germination in <i>Melia azedarach</i>	T. L Mohanty, A. L Dalei, H. Nayak, M. C. Behera S. G. Nair, & S. Rout		
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature	“Jaibika Sara o Jiakhata”	S. Sahu S. Pal D. S. Kar S. Rout		
	“Parivara ra Pustinirapata pain Poshan Bagicha”	S. Pal. S. Sahu Dr. L. Pradhan S. Rout		
	Prakritika Krushi	D. S. Kar Dr. B. Mohanty S. Sahu		

Item	Title	Author's name	Number	Circulation
	Dhana Patita Jami Re mugo fasala	Dr. B. Mohanty S. Sahu		
	Baigyanika Pranali re Chhatu Chasa	S. Pal. Dr. B. Mohanty S. Sahu S. Rout D. S. Kar		
Technical reports				
Electronic Publication (CD/DVD etc.)				
TOTAL				



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

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

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Mrs Sanghamitra Sahu	Refresher Course on “Integrated Pest management of Horticultural Crops”	Scientist (Plant Protection)	16-18 January	OUAT
2.	Sj Dibya Sundar Kar	Refresher Course on “Integrated Pest management of Horticultural Crops”	Scientist (Horticulture)	16-18 January	OUAT
	Sj Dibya Sundar Kar	Refresher Training-cum-exposure visit, (IFS For	Scientist (Horticulture)	27 <sup>th</sup> -28 <sup>th</sup> March 2023	OUAT
3.	Mrs Sefali Rout	Capacity building training programme on Drone technology .... Way forward (Skilling on hardware, software & flying	Scientist (Forestry)	23 <sup>rd</sup> – 25 <sup>th</sup> March 2023	OUAT
4.	Mrs Sasmita Pal	Nutrismart Interventions for alleviating mal nutrition in rural areas	Scientist (Home Science)	3 <sup>rd</sup> – 12 <sup>th</sup> January 2023	CIWA, BBSR
5	Mrs Sasmita Pal	Early childhood care for working women	Scientist (Home Science)	7 <sup>th</sup> - 8 <sup>th</sup> February 2023	Jointly organized by college of community science CCS & DEE, OUAT
6	Mrs Sasmita Pal	Management of FPO	Scientist (Home Science)	19 <sup>th</sup> -21 <sup>st</sup> February 2023	Jointly organized by Directorate of Horticulture & DEE OUAT

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

Name of farmer	Mrs.Jhunubala Sahoo
Address	Lambodarapur,G.P.- Bhaliabolkateni,BI-Dhenkanal Sadar
Contact details (Phone, mobile, email Id)	6370896132
Landholding (in ha.)	20 ac
Name and description of the farm/ enterprise	Backyard Kitchen Garden(20*10 m <sup>2</sup> ) Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits with consumers preference 1. Traily structure with PP rope for raising cucurbits 2. Protray for raising seedlings in small quantity

	3. Cement ring tank for vermi composting, Growing vegetables round the year covering leafy vegetables, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds
Economic impact	She has invested 3600/- as input cost per annum and got an income of 6240/- with net return of 2640/-. She is able to produce 18.72 qt. Of vegetables per annum. From this profit, she has purchased an inverter for her family members
Social impact	<ul style="list-style-type: none"> <li>• She has been recognised as a leader in their nearby locality.</li> <li>• She is imparting training on nutri garden, mushroom cultivation and spawn production at SHG Level.</li> <li>• She is planning to develop a low cost poly house for raising quality seedlings/ planting material for income generation.</li> <li>• She has developed a mushroom production unit.</li> </ul>
Environmental impact	<ul style="list-style-type: none"> <li>• The spent mushroom is used as organic compost in her nutri garden which reduces environment pollution.</li> <li>• Increases consumption of organic vegetables at household level by promotion of nutri garden.</li> </ul>
Horizontal/ Vertical spread	Around 2000 farm women of 75 villages have adopted Nutri garden in their backyard having an area of 60 acres
	

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	Mushroom	Mini Cool Chamber	For storage of about 20 kg mushroom

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

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

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1	vegetables	12ha	-	15	Y

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

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

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

Sl. No	Name of the Equipment	Qty.

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			
	Y	124	54	9	

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			45	45

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

No of student trained	No of days stayed
5	12 <sup>th</sup> sept 5 <sup>th</sup> Nov (45days)

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
07.04.2022	Dr. F. H. Rahman Principal Scientist ICAR ATARI Kolkata	NICRA Launching
24.05.2022	Dr Sushic Solomom Ex VC ICAR, IISR Lucknow	
24.05.2022	Mr Narendra	
30.08.2022	Dr H. K. Sahoo Dy Director Ext, DEE, OUAT	
29.10.2022	Dr Nawab Ali Formor DDG, (Engg) ICAR	
20.03.2023	Dr S. S. Nandi Former Dean Ext ,OUAT, BBSR	

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)
Paddy straw mushroom cultivation from crumpled straw	200	20	Rs.50/bed	Rs.80/bed

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

4.5. Details of entrepreneurship development

Entrepreneurship development
------------------------------

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

4.6. Any other initiative taken by the KVK

#### 5. LINKAGES

5.1. Functional linkage with different organizations

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

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Construction of Administrative Building	Construction of Administrative Building		ICAR	1,48,60,000

(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.	Mushroom	2006-07	179	V.Volvacea,P.sajarcaju	Mushroom	435 kg		30800	Public sale
2.	Polyhouse	2010-11	110	Arka rakshak, Early snow ball, Utkal Abha, Swarna Shyamli, Bhagya, Pusa KTS-1, Bhima Dark red	Vegetable seedlings	7979		336970	Public sale,FLD and OFT
3.	Poultry		36	Aseel, Kadaknath, Chabro, Pallishree,	21 days old	5233 no		397420	Public sale, FLD





## 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	380		5700	

## 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.	Chicks	Kadakhath, Colour Broiler, Aseel, BPR, Sasso,	21 days old chicks	5233nos		397420	
2.	Yearlings	IMC	Yearlings	600 kg		1,32,000	
3.	Fingerlings	IMC	Fingerlings	1,94,026		148297	
4	Fish fry	IMC	Fish fry	14,33,000		3,15,260	

## 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: Yes

No. of staff quarters: 6 nos

Date of completion:

Occupancy details: All quarters are occupied

Months	Q I	Q II	Q III	Q IV	Q V	Q VI
January						
February						
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						

## 7. FINANCIAL PERFORMANCE

## 7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
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Bank account	Name of the bank	Location	Account Number
Current Account KVK Main Account	ADB, Mahisapat, State Bank Of India	College road Dhenkanal	10700059409
Current Account ATMA, Mission Shakti & others	ADB, Mahisapat, State Bank Of India	College road Dhenkanal	39598764829
Savings Account Revolving Fund	ADB, Mahisapat, State Bank Of India	College road Dhenkanal	30306531704
Current Account CFLD Oilseed	ADB, Mahisapat, State Bank Of India	College road Dhenkanal	41571349171
Current Account	Indian Bank	Rathagada, Infront of LIC Office Dhenkanal	7297593476

## 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	
Sesame	90000	-	43203	-	56797
Groundnut	-	120000		118675	1325
Sunflower	-	120000		110873	9127

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2013
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea	90000	-	53649	-	36351

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

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

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year (Kind + cash)
2018-19	0	353175	588401	(377604+164956)=542096
2019-20	164956	1257939	733891	(447376+489004)=936380
2020-21	489004	1114335	1221677	(451750+51162)=502912
2021-22	51162	2695904	1051308	(58500+645758)=704258
2022-23	645758	1424719	1286400	(550942+FKL

## 7.6. (i) Number of SHGs formed by KVKs

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

(iii) Details of marketing channels created for the SHGs

## 7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
BPH Surveillance	2	Kharif	O/o CDAO		
Nursery verification, MIDH	8	Round the year	DDH		
Millet Mission	12	Round the year	O/o CDAO		
Rice fallow Management	13	Rabi	O/o CDAO		
RE interface	10	Round the year	10		
Joint verification	5	Round the year	5		
DPR preparation	15	Round the year	15		

## 8. Other information

## 8.1. Prevalent diseases in Crops

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

## 8.2. Prevalent diseases in Livestock/Fishery

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

## 9.1. Nehru Yuva Kendra (NYK) Training

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

## 9.2. PPV &amp; FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	15	46606
Livestock	2	
Fishery	2	
Weather		
Marketing		
Awareness	3	
Training information		
Other	2	
<b>Total</b>	24	

9.4. *KVK* Portal and Mobile App

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

## 9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken


## 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		
4. Cleaning and beautification of surrounding areas	4	17250
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6. Used water for agriculture/ horticulture application		
7. Swachhta Awareness at local level		
8. Swachhta Workshops		
9. Swachhta Pledge		
10. Display and Banner	1	225
11. Foster healthy competition		
12. Involvement of print and electronic media		
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)		
14.No of Staff members involved in the activities	13	
15. No of VIP/VVIPs involved in the activities		
16. Any other specific activity (in details)		
<b>Total</b>	<b>18</b>	<b>17475</b>

## 9.6. Observation of National Science day

Date of Observation	Activities undertaken

## 9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

## 9.8. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used
B.B.High School,Dhenkanal Town	3.12.2022		AV aids

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 (Lok Sabha/Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darsan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPan chayat	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	Making of Vermiyard and vermicompost, Cleaning of public Places, Pond bund cleaning	5	335		

## 9.11. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Mahila Kisan Divas	1	25		

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

Sl.No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1	Sashibhusan Parida		Progressive Fish Farmer

## 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 other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

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

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

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

d. Location and Beneficiary Details during 2022-2023

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

## 12. Progress report of NICRA KVK (Technology Demonstration component) during the period

(Applicable for KVKs identified under NICRA)

## Natural Resource Management

Name of intervention undertaken	Numbers under	No of	Area (ha)	No of farmers covered / benefitted	Remarks

	taken	units											
			SC		ST		Other		Total				
			M	F	M	F	M	F	M	F	T		
New water harvesting structure		8	8 nos	1	0	1	0	6	0	8	0	8	
Renovation of pond for fish production and irrigation		10	10 nos	1	0	2	0	7	0	10	0	10	
New pond created		8	8 nos	1	0	0	0	7	0	8	0	8	
Well		3	3 nos	0	0	0	0	3	0	3	0	3	

#### 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			
Mulching in pointed gourd & bitter gourd	10	2		1		7		10		10			
Horticultural production through land embankment development	12	2		2		8		12		12			

#### 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		
Vaccination for PPR in goat and Ranikhet in Poultry.	20	1000		3	1	1	2	10	3	14	6	20		
Poultry (Aseel)	20	1000		5	2	2	1	7	3	16	4	20		
Release of IMC Yearlings	15		0.2	2		1		13		15		15		

#### 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	M	F	T	
		Capacity building of farmers & farm women on summer vegetable cultivation.	1	3	4	5	2	7	6	15	10	25	
Capacity building of farmers & farm women on use of micro-irrigation systems for fruits & vegetables	1	2	1	3	2	10	9	13	12	25			
Capacity building of farmers / farm women on mushroom cultivation	1	1	4	1	2	3	14	5	20	25			
Capacity building of farmers & farm women on backyard poultry rearing.	1	3	1	4	2	8	17	15	10	25			

## Extension activities

Thematic area	No of activities	No of beneficiaries												
		SC			ST			Other			Total			
		M	F	M	F	M	F	M	F	M	F	T		
Diagnostic visit	128											246	123	369
Exposure visits	2											45	15	60
Group Discussion	5											124	85	309
Method demonstrations	5											63	37	100
KMAS Services	24													
Animal Health Camp	1											36	14	50
Scientist visit to field	159											246	123	369

Detailed report should be provided in the circulated Performa

## 13. Awards/Recognition received by the KVK

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

## Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1	Mukhyamantri Krishi Jantrapati Sanmann	Ajay Kumar Prusty	2023	CDAO Office	15000	For Paddy Straw Cutter
2	Prayas Kruti Chasi Samman	Bijay kumar Sahoo	2023	Prayas NGO	-	Rabanpodi Mahotsav
3	Best Progressive Mushroom Farmer	Ajay Kumar Prusty	2023	Directorate of Mushroom research, Solan, ICAR		On the occasion of mushroom mela





	Job role									(Y/N)	
Garden Keeper	Dibya Sundar Kar	27.3.23	22.4.23	3	0	0	0	16	1	Y	2,40,500

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	T		
<b>Mushroom production</b>	<b>Commercial mushroom Production</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>5</b>	<b>15</b>	<b>5</b>	<b>20</b>	<b>75000</b>

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)