REVISED PROFORMA FOR ACTION PLAN 2024

1. Name of the KVK: Ganjam-I

Address	Telephone		E mail
Krishi Vigyan Kendra, Ganjam-I At : Benakunda P.O: Dihapadhala Via: Tanarada Dist: Ganjam Pin : 761 140 Orissa			kvkganjam1.ouat@gmail

2.Name of host organization :

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

3.Training programme to be organized (January,2024 to December, 2024)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop management	ICM in Ragi	2	1	Off	10.6.2024									50
Weed management	IWM in pigeon pea	1	1	Off	12.7.2024									25
Crop management	ICM in Maize	1	1	On	19.7.2024									25
Weed management	Weed management in DSR	2	1	Off	28.07.2024									50
Crop management	ICM in Groundnut	1	1	On	21.08.2024									25
Nutrient management	INM in Greengram	1	1	Off	26.11.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop management	ICM in Groundnut	1	1	On	20.11.2024									25
Weed management	INM in Sesamum	1	1	Off	19.12.2024									25
Plant protection	Management of major diseases in chilli	1	1	On	06.06.2024									25
Plant protection	IPM in sesame	1	1	Off	12.06.2024									25
Plant protection	Management of major diseases in Yam	1	1	Off	16.07.2024									25
Plant protection	Management of fall army worm in Maize	1	1	On	05.08.2024									25
Plant protection	IPM in Rice	1	1	On	12.08.2024									25
Plant protection	IDM in Ragi	1	1	Off	17.08.2024									25
Plant protection	IDM in Rice	1	1	Off	27.08.2024									25
Plant protection	IPM in pigeonpea	1	1	On	20.09.2024									25
Plant protection	Management of diseases in Brinjal	1	1	On	21.10.2024									25
Plant protection	IPM in cauliflower	1	1	Off	13.11.2024									25
Plant protection	Honey bee rearing	1	1	On	18.12.2024									25
Plant protection	IPM in mango	1	1	Off	24.12.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
HOV	Soil solarisation and soil treatment for vegetable nursery	1	1	Off	22.06.2024									25
HOV	Production technology of fruits e.g Banana	1	1	On	10.07.2024									25
HOV	Package of practices for Okra cultivation	1	1	Off	19.07.2024									25
HOV	Agro-techniques for Chilli cultivation	1	1	Off	09.08.2024									25
HOV	Use of Bio-fertilizer in vegetable	1	1	On	20.08.2024									25
HOV	Agro-techniques for Bitter gourd cultivation	1	1	Off	11.09.2024									25
HOV	INM in Cabbage & cauliflower	1	1	On	26.09.2024									25
HOV	Use of micronutrient & growth regulators in vegetables	1	1	On	24.10.2024									25
HOV	Weed management in in Tomato	1	1	Off	29.11.2024									25
HOF	Package of	1	1	Off	18.12.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
	practices for Yard Long bean													
Capacity building	Moisture management in paddy straw mushroom.	1	1	Off	13.06.2024									25
Household food security by kitchen gardening and nutrition gardening	Planning and layout of kitchen garden	1	1	Off	25.06.2024									25
Drudgery reduction	Cultivation practices of paddy straw mushroom .	1	1	Off	20.07.2024									25
Income generation activities for empowerment of rural Women	Cultivation practices of Tuberose	1	1	Off	28.07.2024									25
Income generation activities for empowerment of rural Women	Use of Agricultural implements and tools for drudgery reduction	1	1	On	02.08.2024									25
Income generation activities for empowerment of rural Women	Vermicopsting	1	1	On	30.08.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Design and development of low/minimum cost diet	Preparation of low cost supplementary food for children	1	1	Off	03.09.2024									25
Value addition	Value addition of Ragi	1	1	Off	03.10.2024									25
Income generation activities for empowerment of rural Women	Cultivation practices of different varieties of Oyster mushroom	1	1	Off	16.11.2024									25
Value addition	Value addition of Tomato	1	1	Off	04.12.2024									25
Value addition	Organic method of Jaggery preparation	1	1	Off	20.12.2024									25
Production of quality animal products	Clean milk production and value added products of milk	1	1	On	18.06.2024									25
Dairy management	Housing, Feeding and health management in dairy animals	1	1	Off	16.7.2024									25
Dairy management	Importance of AI, heat detection and important breeds of cattle	1	1	Off	24.7.2024									25
Disease Management	Care and management of	1	1	Off	21.08.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
	pregnant does and kids													
Poultry management	Brooding management in backyard poultry	1	1	Off	18.09.2024									25
Sheep/ Goat farming	Care and management of breeding bucks	1	1	Off	15.10.2024									25
Feeding management	Fodder cultivation for livestock nutrition	1	1	Off	14.11.2024									25
Disease Management	Month wise care and management of livestock	1	1	Off	31.11.2024									25
Poultry production	Small scale poultry rearing and management	1	1	Off	18.12.2024									25
Duck Farming	Small scale Duck farming	1	1	Off	30.12.2024									25
Capacity Building Development	Improved techniques of Seed treatment in Groundnut	1	1	Off	12.06.2024									25
Capacity Building Development	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	1	On	14.07.2024									25
Capacity Building	Market linkage for smallholder	1	1	Off	22.07.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Development	farmers													
Mobilisation of social capital	Orientation & awareness programme on farmers clubs-formation	1	1	Off	27.08.2024									25
Capacity Building Development	Usefulness of health management calendar for Ganjam goats	1	1	On	18.09.2024									25
Capacity Building Development	Income generation through agricultural and allied agricultural sector.	2	2	Off	03.12.2024 & 20.12.2024									50
Formation & Management of SHG	Orientation & awareness programme on Management of SHG	1	1	Off	21.10.2024									25
Leadership management	Formation of groups for aggregation & marketing of village produce	1	1	Off	19.11.2024									25
Capacity Building Development	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	1	Off	28.11.2024									25
Capacity Building Development	Improved techniques of Seed treatment in Sesame	1	1	Off	11.12.2024									25
Capacity Building Development	Improved techniques of Seed treatment in Greengram	1	1	Off	18.12.2024									25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Mobilisation of social capital	Orientation & awareness programme on Farmers Producers Organization	1	1	Off	23.12.2024									25
Pisciculture	Pre stocking management of Fish Ponds	1	1	Off	04.07.2024									25
Pisciculture	Species Selection and stocking density management in fish Pond	1	1	Off	29.06.2024									25
Pisciculture	Seed rearing and Production of Yearlings	2	1	Off	18.7.2024									50
Pisciculture	Integrated fish farming	1	1	Off	13.08.2024									25
Pisciculture	Fish feed preparation and feeding management in fish pond	1	1	Off	31.08.2024									25
Pisciculture	Fish disease management and control	1	1	Off	30.10.2024									25

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production of organic input	Vermicomposting	2	4	On	22.08.2024, 23.08.2024 & 28.08.2024, 29.08.2024									30
HOV	HDP in commercial fruit orchard	1	2	On	23.07.2024 & 24.07.2024									15
HOV	Grafting techniques in solanaceous vegetables	1	2	On	23.10.2024 & 24.10.2024									15
Plant protection	Honey bee rearing	1	2	On	04.12.2024 & 05.12.2024									15
Plant protection	Role of plant products & ITKs for pest control	1	2	On	18.07.2024 & 19.07.2024									15
Mushroom cultivation	Mushroom & Spawn production	1	2	On	16.08.2024 & 17.08.2023									15
Value addition	Value addition of vegetable and fruits	1	2	On	06.12.2024 & 07.12.2024									15
Sheep and goat rearing	Income generation through scientific Goat / sheep farming	1	2	On	23.09.2024 & 24.09.2024									15
Poultry farming	Low input technology (LIT) poultry farming – A futuristic approach for	1	2	On	10.12.2024 & 11.12.2024									15

	small farmers													
Capacity Building Development	Value chain management For profitable Agribusiness	1	2	On	24.07.2024 & 25.07.2024									15
Capacity Building Development	Orientation and awareness programme on Custom hiring centres for betterment of farming community	1	2	On	19.12.2024 & 20.12.2024									15

(c) Extension functionaries

Thrust area/ Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Crop management	Artificial intelligence use in crop production	1	1	On	13.09.2024									15
HOV	Training & pruning in fruit crop	1	1	On	19.12.2024									15
Plant protection	Role of new generation pesticide for pest control	1	1	On	12.09.2024									15
Household food security	Food and nutritional security through kitchen garden	1	1	On	10.08.2024								15	15
Women and child care	Dietary management for pregnant and lactating women	1	1	On	14.11.2024								15	15
Animal	Importance of feed &	1	2	Off	04.12.2024 &									15

production	feed formulation for Livestock health & management				05.12.2024									
Capacity building for ICT application	ICT-led knowledge management and usage patterns in Agriculture	1	1	On	25.09.2024								10	10

Abstract of Training: Consolidated table (ON and OFF Campus)

Farmers and Farm women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		SC			**ST**			**Other**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	2												50
Resource Conservation Technologies													
Nutrient management													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	8												200
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**10**												**250**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	2												50
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Protective cultivation (Green Houses, Shade Net etc.)													
Cultivation of Vegetable													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Integrated Crop Management	2												50
TOTAL	4												100
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management	2												50
Poultry Management	3												75
Piggery Management													
Rabbit Management													
Disease Management	1												25
Feed management	2												50
Production of quality animal products	1												25
Others, if any (Goat farming)	1												25
TOTAL	**10**												**250**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1												25
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1												25
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development													
Value addition	3												75
Income generation activities for empowerment of rural Women	4												100
Location specific drudgery reduction technologies	1												25
Rural Crafts													
Capacity building	1												25
Women and child care													
Others, if any													
TOTAL	**11**												**275**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	8												200
Integrated Disease Management	4												100
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others (Income generation)	1												25
TOTAL	**13**												**325**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development	1												25
Group dynamics													
Formation and Management of SHGs	1												25
Mobilization of social capital	2												50
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any	9												225
TOTAL	**13**												**325**

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**69**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1725**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Spawn Production	1												15
Bee-keeping	1												15
Integrated farming													
Seed production													
Production of organic inputs	2												30
Planting material production	1												15
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production	1												15
Repair and maintenance of farm machinery and implements/custom hiring	1												15
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition (Fruits & vegetables)	1												15
Production of quality animal products													
Dairying													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Sheep and goat rearing	1												15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1												15
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Value chain management	1												15
Others (Plant protection ITK)	1												15
TOTAL	**12**												**180**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Pest Management	1												15
Integrated Nutrient management	1												15
Rejuvenation of old orchards	1												15
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1												15
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1												15
Livestock feed and fodder production													
Household food security	1												15
Women and Child care	1												15
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	**7**												**115**

4. Frontline demonstration to be conducted* 1

Crop: Groundnut (High yielding variety of Ground nut)
Thrust Area: Integrated Crop Management
Thematic Area: Varietal evaluation
Season: Rabi, 2024 (Year – I)
Farming Situation: Rice - Groundnut

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
5	Groundnut	2/10	Cultivation of ground nut variety " Kalinga ground nut-101". (Source- OUAT, 2021)	Pod/plant, Pod wt./plant, Shelling (%), yield												10

Extension and Training activities under FLD: high yielding variety of Ground nut

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Farmer's training	ICM in Groundnut	1	Farmer/FW	1	Off									25
Field day	Field day on high yielding variety of Ground nut	1	Farmer/FW	1	Off									50

Frontline demonstration to be conducted* 2

Crop: Rice (Maize hybrids for rainfed upland)
Thrust Area : Integrated Crop Management
Thematic Area: varietal evaluation
Season: Kharif, 2024 (Year –I)
Farming Situation: Maize-pulses

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
2	Maize	2/10	Cultivation of Maize hybrid Kalinga Raj (OMH 14-27)	Number of cob/plant, number of seeds/cob, test weight, seed yield (q/ha), stover yield (q/ha), B:C ratio												10

Extension and Training activities under FLD: Maize hybrids for rainfed upland

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Maize hybrids for rainfed upland	1	F/FW	1 day	off									25
Field day	Demonstration of Maize hybrids for rainfed upland	1		1 day	off									50

Frontline demonstration to be conducted* 3
Crop: Greengram (Water soluble fertilizer in Greengram)
Thrust Area: Nutrient Management
Thematic Area: Integrated Nutrient Management
Season: Rabi, 2024(Year – II)
Farming Situation: Rice - Greengram

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
4	Greengram	2/10	Application of 75% STBFR+ Foliar application of WSF 18-18-18 @2% at pre flowering and pod filling	No. of pods/plant, Seeds/pod, Pod length, seed yield												10

Extension and Training activities under FLD: Water soluble fertilizer in Greengram

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Farmer's training	INM in Greengram	1	Farmer/FW	1	Off									25
Field day	Field day on Water soluble fertilizer in Greengram	1	Farmer/FW	1	Off									50

Frontline demonstration to be conducted *4
Crop:Chilli (Anthracnose disease management in Mango)
Thrust Area: Disease management
Thematic Area Integrated Disease management
Season: *Kharif*, 2024(I)
Farming Situation: Rainfed upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
6	Mango	2.0/10	Spray with Hexaconazole 5%SC @ 2ml/l at pea stage followed by spraying of (Tebuconazole 50% + Trifloxystrobin25% WG) @ 0.4g/l after 15 days and 3rd spray at 30 days prior to harvest again with Hexaconazole 5%SC followed by post harvest hot water dip treatment (520C for 10 minutes) (Source :OUAT, AR, 2018)	Affected leaves %,Affected fruit%												10

Extension and Training activities under FLD on Mango

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Disease management in Mango	1	Farmer /FW	1	Off									25
Field day	Field day on Mango	1	Farmer /FW	1	Off									50

Frontline demonstration to be conducted *6
Crop:Chilli (Anthracnose disease management in Chilli)

Thrust Area: Disease management
Thematic Area Integrated Disease management
Season: *Kharif*, 2024(II)
Farming Situation: Irrigated medium land

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
6	Chilli	2.0/10	Seed treatment with (Carboxin 37.5% + Thiram 37.5%) @ 0.2% followed by three sprayings with Difenoconazole @ 0.1% from initial disease appearance at 10 days interval. (Source : OUAT, 2015	Disease leaf %, Disease fruit %	Carboxin + Thiram, Difenoconazole	6000											10

Extension and Training activities under FLD on Chilli

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Disease management in Chilli	1	Farmer /FW	1	Off									25
Field day	Field day on Chilli	1	Farmer /FW	1	Off									50

Frontline demonstration to be conducted* - 7
Crop: Rice (IDM practices against false smut disease in Rice var. Pooja)
Thrust Area: Disease Management
Thematic Area: Integrated Disease Management.
Season: Kharif, 2024 (Year-II)
Farming Situation: Irrigated-medium land

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
7	Rice	2/10	Seed treatment Carbandazim@2g/kg seed and application of Trifloxystrobin + Tebuconazole @200gram/ha. at Boot stage& after 10 days interval. (Source : NRRI Annual Report, 2018-19)	Affected panicle (%), Affected grains/Panicle (%),Yield (q/ha), B:C ratio	Carbandazim, Trifloxystrobin + Tebuconazole	7000										10

Extension and Training activities under FLD on IDM practices against false smut disease in Rice

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Farmer's training	IDM in Rice	1	Farmer /FW	1	Off									25
Field day	Field day on false smut disease in Rice	1	Farmer /FW	1	Off									50

Frontline demonstration to be conducted* - 8
Crop: Maize (Management of pod borer complex in Pigeonpea)
Thrust Area: Pest management
Thematic Area : Integrated Pest management
Season: *Kharif*, 2024 (Year-I)
Farming Situation: Rainfed upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
8	Pigeonpea	2/10	Spraying of Azadiractin @0.15% @ 1.5 lt./ha at 50% followed by flubendiamide 48SC @ 200ml/ha & Bt@ 1kg/ha at 15 days interval. (Source : SLREC proceeding, OUAT,2018)	larvae/plant Damaged pod%		8000	-									10

Extension and Training activities under FLD on management of pod borer complex in Pigeonpea

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Farmer's training	Management of pod borer complex in Pigeonpea	1	Farmer/FW	1	Off									25
Field day	Field day on Pigeonpea	1	Farmer/FW	1	Off									50

Frontline demonstration to be conducted* 9

Crop: **Chilli (**Chilli hybrids for resistance of leaf curl virus**)**
Thrust Area: vegetable production
Thematic Area: Varietal evaluation
Season: *Kharif* , 2024 (I)
Farming Situation: Irrigated upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
10	Chilli	1 ha/10	Cultivation of Chilli leaf curl virus tolerant variety Arka Sanvi (Source- IIHR Bangalore, 2019)	No. of fruits /plant, Yield of Fruits/plant, % of disease infection Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on application of growth regulator in Chilli

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on chilli	1	Farmer /FW	1	Off									50
Farmer's training	Chilli hybrids for resistance to multiple disease	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted 10
Crop: **Tomato (Use of growth regulator in Tomato)**
Thrust Area: Integrated Nutrient Management
Thematic Area: Integrated Nutrient Management
Season: *Rabi* 2024 (I)
Farming Situation: Irrigated up land

	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
11	Tomato	1 ha/10	Spray of PGRs comprising of NAA @ 15ppm +SA was found to be the best in terms of yield (10.63kg/plant), fruit length (4.78cm), fruit diameter (5.63cm) (Source- ICAR-IIVR, Varanasi, 2018)	No. of fruits /plant, Average wt. of fruits, Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on Wilt tolerant variety Swarna Shyamali

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on brinjal	1	Farmer/FW	1	Off									50
Farmer's training	Cultivation of Okra variety	1	Farmer/FW	1	Off									25

	Kashi Chaman													

Frontline demonstration to be conducted 11

Crop: **Chilli (**Yard Long bean Arka Mangala for tolerance to YMV**)**
Thrust Area: vegetable production
Thematic Area: Varietal evaluation
Season: *Rabi*, 2024 (II)
Farming Situation: Irrigated upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
10	Yard long bean Arka Mangala	1 ha/10	Arka Mangala	No. of pods/plant, YMV incidence												10

Extension and Training activities under FLD on application of growth regulator in Chilli

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on yard long bean	1	Farmer /FW	1	Off									50
Farmer's training	cultivation practices of yard long bean	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted – 12

Crop: Bitter gourd (INM practices in Bitter gourd)
Thrust Area: vegetable cultivation
Thematic Area: INM
Season: *Rabi* 2024 (II)
Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
13	Bitter gourd	1.0/10	STBF +vermicompost (2.5 ton/ha)+Azotobator :Azospirillum:PSB @1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days) (Source- Dept. of Soil Science OUAT-2013)	No. of fruits /plant, fruit weight Yield, B:C Ratio												10

Extension and Training activities under FLD: INM practices in Bittergourd

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on bitter gourd	1	F/FW	1	Off									50
Farmer's training	Package of practices for bitter gourd cultivation	1	F/FW	1	Off									25

Frontline demonstration to be conducted – 13
Crop: **Paddy straw mushroom (Humidity management in paddy straw mushroom production during summer)**
Thrust Area: Mushroom cultivation
Thematic Area: Income generation
Season: Kharif, 2024 (Year – II)
Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
14	Paddy straw Mushroom	10 units	Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) with covering the floor with 2inch sand in moist condition and installation of fogger system.	Humidity (%)Pin head appearance (days), Days of first flush, average fruit body wt(gm), Biological efficiency(%),Yield (q/ha), B:C ratio					4				6			10

Extension and Training activities under FLD: Humidity management in paddy straw mushroom production during summer

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Paddy straw Mushroom Cultivation	1	Farmwomen Extension	1	Off		10		20		10		40	40
Training	Paddy straw Mushroom cultivation	1	Farmwomen	1	Off		5				20		30	25

Frontline demonstration to be conducted - 14

Crop: Blackgram (Mechanized Phoola Bari maker)
Thrust Area: Comfort elevation
Thematic Area: Comfort elevation
Season: *Rabi*, 2024 (Year-I)
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
15	Balckgram (Mechanized Phoola Bari maker)	10 SHGs	Mechanized phoola bari Mold and die of 1 kg batter holding capacity (165 x 165 x 165 mm size) have been developed for phool bari preparation with four droppings at a time. Production capacity of phhol bari in the developed mould is 5 kg/h, which is four times higher than manual method. The tool can save time and reduce drudgery of phool bari preparation. (Source- CAET, OUAT, 2021-22)	Bari making efficiency (kg/hr), Labour saving (%), Comfort elevation (%)	Mechanized Phoola Bari maker										10	10

Activities under FLD: Vermicompost production by using spent mushroom

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Mechanized Phoola Bari maker	Training , Field day	2	Farmer	2days	Off								75	75

Frontline demonstration to be conducted - 15

Crop- Tuberose (Tuberose cultivation for income generation of farm women)
Thrust Area: Tuberose cultivation
Thematic Area: Income generation
Season: *Kharif,* 2024 (Year-l)
Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
16	Tuberose (Prajwala)	0.5 ha	Cultivation of **variety Prajwala** with spacing 30cm x 20 cm, NPK::200:200:200 kg/ha. **(Source-IIHR Bangalore, 2014)**	No. of Flower/ spike , Avg. flower wt. Yield (q/ha)	Tuberose sucker										**10**	**10**

Extension and Training activities under FLD: Marigold cultivation for income generation for SHGs

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants							
						SC		ST		Other		Total	
						M	F	M	F	M	F	M	F
Tuberose cultivation	Training , Field day	2	Farmer	2days	Off								

Frontline demonstration to be conducted - 16
Crop- Tomato (Value addition of tomato by preparing powder)
Thrust Area: Value addition
Thematic Area: Value addition
Season: *Rabi* 2024 (Year-l)
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
17	Tomato	10 units	Preparation of tomato powder: washing & cutting of tomato into slices (5mm & drying @ 180 degrees for 10 hours. The dehydrated pieces are ground into powder. It can be safely stored for 9 months. (Source- Post Harvest Technology, TNAU, 2015)	Sensory evaluation, keeping quality, Nutritive value per 100 gms. Of powder, Conversion ratio, cost of preparation, Net return, BC ratio	Packaging material										10	10

Extension and Training activities under FLD: Value addition of Finger millet for enhancing Income of SHG

Activity	Title of Activity	No.	Clientele	Duration	Venue On /Off	No. of Participants							
						SC		ST		Other		Total	
						M	F	M	F	M	F	M	F
Blue ouster mushroom cultivation	Training , Field day	2	Farmer	2days	Off								

Frontline demonstration to be conducted* 17

Crop: Fodder (Perennial fodder production in dairy nutritional management)

Thrust Area: Nutrition & production

Thematic Area: LPM

Season:Kharif,2024 (IV)

Farming Situation: Semi - intensive

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
18	Fodder Hybrid Napier (CO4), Sugarcane grass	10 no	Demonstration on perennial fodder production in dairy nutritional management (Var. Sugarcane grass and Hybrid napier CO4) (Source-NDDB,2016)	Feeding cost/cow/day , milk production in kg/cow/day, change in milk fat and SNF%.	Rooted slips or stem cuttings											5

Extension and Training activities under FLD: Perennial fodder production in dairy nutritional management

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Fodder cultivation for livestock nutrition	1	F/FW	1	Off									25

Frontline demonstration to be conducted* 18

Crop: Goat (Dietary supplementation of mineral mixture and concentrate on juvenile growth of goats)
Thrust Area: Goat farming
Thematic Area: LPM
Season:Kharif,2024 (I)
Farming Situation: Semi-intensive

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
19	Goat	10 & 100 Kids	Feeding of kids (3months of age) with mineral mixture (**ASMM**) @ 10g/day and concentrate @ 50-80 g/goat/day up to 60 days (Source : ICAR - CIRG, Mathura, 2017-18)	Body weight at 3, 4, 6 months, % of mortality, Meat production	Concentrate mixture + Mineral mixture											10

Extension and Training activities under FLD: Probiotics supplementation on growth performance of chickens in semi-intensive rearing system

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Management of pregnant & new born	1	F/FW	1	Off									25

Frontline demonstration to be conducted* 19

Crop: Dairy (Bypass fat feeding on increase milk yield and milk fat % in case of dairy cows)
Thrust Area: Cattle farming
Thematic Area: LPM
Season:Rabi,2024(II)
Farming Situation: Semi-intensive, stall fed

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
20	Cattle	10 nos. & 20 animals	Grazing and Bypass fat feeding as fat source @ 100 g./day along with mineral mix. (Source - NDDB, 2013-14)	Average Milk price (in Rs) and Milk yield in lt during first period of bypass fat feeding, Milk price, milk fat and SNF %, B:C Ratio	Bypass fat, Mineral mixture											10

Extension and Training activities under FLD: Bypass fat feeding on increase milk yield and milk fat % in case of dairy cows

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Bypass fat feeding on increase milk yield	1	RY	2	On									20

Frontline demonstration to be conducted* 20

Crop: Poultry (Low input technology(LIT) poultry breed OUAT Kalinga Pallishree in backyard)
Thrust Area: Poultry farming
Thematic Area: LPM
Season:Rabi,2024(II)
Farming Situation: Backyard poultry

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
21	Poultry	10 nos & 500 birds	Rearing of OUAT Kalinga Palishree chicken breed with proper brooding management for 21 days followed by free range feeding (Breed characteristics: Body weight: Cock 2.5-3.5 kg, hen 1.6-2.5 kg, Age at first egg: 7 months, Egg shell colour: Light brown Annual egg production (numbers): 100-120) (Source: CPDO, BBSR, 2014)	Average body weight of cock and hen at 20 weeks, Annual egg production, B:C Ratio	OUAT Kalinga Palishree chicken breed											10

Extension and Training activities under FLD: Low input technology(LIT) poultry breed OUAT Kalinga Pallishri in backyard

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Low input technology(LIT) poultry breed OUAT Kalinga Pallishri in backyard	1	F/FW	1	Off									25

Frontline demonstration to be conducted* 22

Commodity: Goat (Usefulness of health management calendar on Goats for improving the technical knowledge of farmers and application of technology)

Thrust Area: Goat farming
Thematic Area: LPM
Season: Through out the year, 2024 (II)
Farming Situation: free ranging

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
23	Goat	10 units	A colourful calendar in local language will be printed and which include pictures and information related to de-worming, vaccination, supplement feeding, pregnant animal care etc.	Applicability of calendar, Accessibility of calendar , Knowledge level, change in attitude Morbidity & mortality % of animal Communicability	Multi-colour calendar											60

Extension and Training activities under FLD: Usefulness of health management calendar for Ganjam goats

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Usefulness of health	1	F/FW	1	Off									25

Field Day	management calendar for Ganjam goats	1	F/FW											50

Frontline demonstration to be conducted - 23

Crop- Vegetable (single row vegetable transplanter)
Thrust Area: Farm mechanisation
Thematic Area:
Season: *Rabi* 2024 (Year-I)
Farming Situation: Irrigated medium land
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
24	Vegetable-Brinjal	10nos	Single row vegetable transplanter (CIAE, Bhopal, 2015-16)	Efficiency of the implement, Labour saving, B:C ratio												**10**

Extension and Training activities under FLD: Single row vegetable transplanter

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training , Field day	2	Farmer	2days	Off								75

Frontline demonstration to be conducted - 24

Crop- Vegetables (Performance of FPOs with varied levels of task and commodity to enhance profitability)

Thrust Area: Production & marketing

Thematic Area: Group dynamics

Season: *Rabi* , 2024 (Year-I)

Farming Situation: Irrigated medium land

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
25	Vegetables	4 units	FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing, (MANAGE, 2015)	A farmer to become a member, Contribution for share capital, Better business planning, Access to technology, Access to inputs in time, Better marketing facility												80

Extension and Training activities under FLD: Performance of FPOs with varied levels of task and commodity to enhance profitability

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training Field day	2	Farmer	2days	Off								75

Frontline demonstration to be conducted - 25

Crop- Vegetables (Effectiveness of short technology videos on technology adoption)

Thrust Area: short technology videos production

Thematic Area: ICT

Season: *Rabi* , 2024 (Year-I)

Farming Situation:

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
25	Vegetables	2 nos of video	Preparation of small videos (0.5-2.0 minutes) on different activities of production process of selected commodities and the same will be sent through WhatsApp to the identified group of farmers., (MANAGE, 2016)	Informative and timeliness of the information/technology/skill delivered -Ease in understanding the method and process depicted in the video -Retention, retrieval & re-use of the content												**60**

Extension and Training activities under FLD: Effectiveness of short technology videos on technology adoption

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training Field day	2	Farmer	2days	Off								75

Frontline demonstration to be conducted - 26

Crop- Carp (CIFA-Carp grower feed in grow out pond)
Thrust Area: Feed management
Thematic Area: Composite pisciculture
Season: *Kharif* , 2024 (Year-I)
Farming Situation: Rainfed

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
26	Pisciculture	05 nos	Feeding with "CIFA-Carp grower Floating feed" to stunted fingerlings with gradually decreasing feeding rate 3 to 1% of total biomass daily during the culture period. Source: (CIFA, Bhubaneswar, 2019)	FCR, Growth, Yield, B:C ratio	CIFA carp grower Feed											**05**

Extension and Training activities under FLD: CIFA-Carp grower feed in grow out pond

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training Field day	2	Farmer	2days	Off								75

Frontline demonstration to be conducted - 27

Crop- Carp (Genetically Improved (GI) catla in composite carp culture)

Thematic Area: Composite pisciculture

Season: *Kharif* , 2024 (Year-I)

Farming Situation: Rainfed

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
27	Pisciculture	05 nos	Culture of genetically improved Catla in composite carp culture @30-40% along with IMC Source: (CIFA,Bhubaneswar, 2019)	Growth, Yield, B:C ratio	GI catla seed											**05**

Extension and Training activities under FLD: Genetically Improved (GI) catla in composite carp culture

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training Field day	2	Farmer	2days	Off								75

Frontline demonstration to be conducted - 28

Crop- Carp (Polyculture of Prawn along with carp**)**
Thematic Area: Composite pisciculture
Season: *Kharif* , 2024 (Year-I)
Farming Situation: Rainfed

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
29	Pisciculture	05 nos	Stocking of freshwater prawn PL-10,000 nos. with stunted fingerlings of Catla – 3000 nos., rohu- 2000nos. grass carp-500nos per ha. **Source:** (NFDB News letter, 2016)	Yield, profit, BC ratio												**05**

Extension and Training activities under FLD: Polyculture of Prawn along with carp

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training Field day	2	Farmer	2days	Off								75

5. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From January,2023 to December, 2023)	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	MTU-1061	Kharif-2024	5.0	Seed	200.0			
Ragi	Arjuna	Kharif, 2024	2.0	Seed	10.0			
Blackgram	Sashi	Rabi, 2024	1.0	Seed	5.0			
Chilli	ArkaTanvi, Aka Saanvi	Kharif-2024			12500 nos.			
Papaya seedling	Sinta, Vinayak	Kharif-2024		PM	1420 nos			
Guava gootee	Bihi	Kharif-2024		PM	120 nos			
Kagzi Lime Gotee	Kagzi	Kharif-2024		PM	330 nos			
Drumstick	PKM-1	Kharif-2024		PM	1497 nos			
Mango graft	Amarapalli	Kharif-2024		PM	500 nos			
Brinjal seedling	Swarna Symali,	Kharif-2024		PM	28050 nos			
Onion	Agrifound Dark Red	Rabi -2024		PM	56000 nos			
Mushroom spawn	Oyster & paddy straw	Round the year		Others	3200 bottles			
Mushroom	Oyster & paddy straw	Round the year		Others	100 kg			
vermicompost		Round the year		others	5000kg			
vermin	E.foetida	Round the year		others	40 kg			
Poultry chick	Kalinga Pallishree, Colour synthetic, Duck, Quail	Round the year		others	2500 nos			
Fodder	CO4	Round the year		Others	10000 slip			
Honey	Apis cerena indica	Round the year		others	12 kg.			
Fingerling	IMC	Round the year		Others	10000 nos			

b) Village Seed Production Programme

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	No. of farmers	Details of Production				
					Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	28										1324
2.	KisanMela	5										500
3.	KisanGhosthi	2										150
4.	Exhibition	3										300
5.	Film Show	30										450
6.	Method Demonstrations	20										280
7.	Farmers Seminar	4										60
8.	Workshop	4										90
9.	Group meetings	25										250
10.	Lectures delivered as resource persons	35										750
11.	Advisory Services	130										120
12.	Scientific visit to farmers field	370										2500
13.	Farmers visit to KVK	1650										1650
14.	Diagnostic visits	44										185

15.	Exposure visits	4										200
16.	Ex-trainees Sammelan											
17.	Soil health Camp											
18.	Animal Health Camp	2										100
19.	Agri mobile clinic											
20.	Soil test campaigns	5										150
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings	4										70
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	14										750
25.	Swatchta Hi Sewa	7										600
26.	Mahila Kisan Diwas	1										150
27.	Any Other (Specify)											
	Total	2387										10629

Revolving Fund (in Rs.)

Opening balance of 2024-2025 (As on 01.04.2024)	Amount proposed to be invested during 2024-2025	Expected Return
81,466	**7,00,000**	**9,00,000**

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)

9. On-farm trials to be conducted* 1

i. **Season: Kharif, 2024** (Year-I)

ii. **Title of the OFT: ASSESSMENT ON HIGH YIELDING SESAME VARIETIES FOR RAINFED MEDIUM LAND**

iii. **Thematic Area:** Varietal evaluation

iv. **Problem diagnosed:** Low yield of sesame

v. **Important Cause:** Existing low yielding old varieties

vi. **Production system:** Rice- Sesame

vii. **Micro farming system:** Rainfed Medium land

viii. **Technology for Testing:** Cultivation of HYV of sesame

ix. **Existing Practice:** Cultivation of Prachi variety

x. **Hypothesis:** HYV of sesame will increase the sesame yield and net return

xi. **Objective(s):**

xii. **Treatments:**

(a) **Farmers Practice (FP):** Cultivation of Sesame variety Prachi

(b) **Technology option-I (TO-I):** Cultivation of Sesame variety Kalinga sesame 3-1.

(c) **Technology option-II (TO-II):** Cultivation of Sesame variety OUAT Kalinga sesame -1(Arhit)

xiii. **Critical Inputs:** Seeds of Kalinga sesame3-1 and Kalinga sesame -1(Arhit)

xiv. **Unit Size:** 1.0 ha

xv. **No of Replications:** 7

xvi. **Unit Cost:** 2500

xvii. **Total Cost:** 17500

xviii. **Monitoring Indicator:** Number of pod/plant, number of seeds/pod, test weight, seedyield (q/ha), stover yield (q/ha), B:C ratio,

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Maize 2019

On-farm trials to be conducted* 2

i. **Season: Kharif, 2024** (Year-II)

ii. **Title of the OFT: ASSESSMENT OF IWM PRACTICES IN PIGEON PEA**

iii. **Thematic Area:** Weed management

iv. **Problem diagnosed:** Low yield due to heavy weed infestation

v. **Important Cause:** Unavailability of suitable herbicide

vi. **Production system:** Pigeonpea-sweet corn

vii. **Micro farming system:** Rainfed upland

viii. **Technology for Testing:** IWM practices in pigeonpea

ix. **Existing Practice:** Manual weeding at 25 DAS

x. **Hypothesis:** HYV of Gorundnut will increase the ground nut yield and net return

xi. **Objective(s):**

xii. **Treatments:**

(a) **Farmers Practice (FP):** Manual weeding at 25 DAS

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

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

xiii. **Critical Inputs:** Propaquizalfop 2.5%+Imazethapyr, Imazethapyr

xiv. **Unit Size:** 1.0 ha

xv. **No of Replications:** 7

xvi. **Unit Cost:** 2500

xvii. **Total Cost:** 17500

xviii. **Monitoring Indicator:** WCE %, WI%, Grain yield (kg/ha), B:C ratio,

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Pigeon pea, 2013**,** AICRP on Pigeon pea, 2022-23

ON-FARM TRIALS TO BE CONDUCTED* - 3

i. **Season:** *Rabi*, 2024 (Year-II)

ii. **Title of the OFT: ASSESSMENT OF IDM PRACTICES AGAINST YVM DISEASE IN GREENGRAM**

iii. **Thematic Area:** Integrated Disease Management

iv. **Problem diagnosed:** Yellowing & drying of leaves, small pods, low yield

v. **Important cause :** 30% yield loss due to YMV incidence

vi. **Production system:** Rice-Greengram

vii. **Micro farming system:** Rainfed medium land

viii. **Technology for Testing:** IDM practices against YVM disease in Greengram

ix. **Existing practice:** Spraying of Thiamethoxam@ 150gram/ha

x. **Hypothesis :** Seed treatment & foliar spray will reduce the white fly population & YMV incidence

xi. **Objective(s):**To develop IDM module against YVM disease in Greengram

xii. **Treatments:**

(a) **Farmers Practice (FP):** Spraying of Thiamethoxam@ 150gram/ha

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

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

Xii. Critical Input: Thiamethoxam**,** Acetamiprid, Imidacloprid, Diafenthiuron

xiv. **Unit size:** 0.2 ha

xv. **No. of Replications:** 07

xvi. **Unit cost**: 1200

xvii. **Total Cost:** 8400

xviii. **Monitoring Indicator: YVM %, white fly/leaf,** Yield (q/ha), B:C ratio,

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** SLREC proceeding , OUAT2019,/OUAT Annual Report, 2020-21

ON-FARM TRIALS TO BE CONDUCTED* - 4

i. **Season: Rabi**,2024(Year-I)

ii. **Title of the OFT: ASSESSMENT OF MANAGEMENT PRACTICES AGAINST FRUIT FLY IN BITTER GOURD**

iii. **Thematic Area:** Integrated Pest Management

iv. **Problem diagnosed:** Premature fruits dropping due to infestation of fruit fly

v. **Important cause :** 20 % yield loss due to fruit drop & rot

vi. **Production system:** Rice-Bittergourd

vii. **Micro farming system:** Irrigated medium land

viii. Technology for Testing: Management practices against fruit fly in bitter gourd

ix. **Existing practice:** Spraying of Fipronil @ 1 l/ha

x. **Hypothesis :** Poison bait & cue lure will effectively manage fruit fly with pesticide against fruit fly

xi. **Objective(s):**To develop IPM module against fruit fly in Bittergourd

xii. **Treatments:**

a. **Farmers Practice (FP):** Spraying of Fipronil @ 1 l/ha

b. **Technology option-I (TO-I):** Soil application of Chlorpyriphos 1.5% dust @ 25kg/ha at 30 DAG, application of poison bait (Jaggery 100g + Cartap hydrochloride 2g + water 1.0L) & placement of Cuelure @ 20 nos./ha at 30 DAG

c. **Technology option-II (TO-II):** Placement of Food bait @ 20 nos./ha (mixture of 1kg cucumber pulp + 50g jaggery, 100 ml cow urine, 0.5L of water soaked overnight & diluted to 05L + 10 ml Malathion) at 20 DAS, installation of Ph trap with Cuelure @ 25/ha at 30 DAG and spraying of Spinosad 45% SC @ 200 ml/ha twice at 45 & 60 DAG.

xiii. **Critical Input:** Flubendiamide, pheromone traps**,** Azadiractin, profenophos, emamectin benzoate

xiv. **Unit size:** 0.1ha

xv. **No. of Replications:** 07

xvi. **Unit cost**: 1400

xvii. **Total Cost:** 9800

xviii. **Monitoring Indicator:** No.of fruit fly/trap at 15 days interval, Fruit fly affected fruit%, Yield, B:C ratio

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** (**OUAT, AR, 2018-19), (OUAT, AR, 2022-23)**

ON-FARM TRIALS TO BE CONDUCTED 5

i. **Season:** *Rabi*, 2024 (Year-I)

ii. **Title of the OFT: ASSESSMENT OF HERBICIDES FOR WEED MANAGEMENT IN TOMATO**

iii. **Thematic Area:** Weed management

iv. **Problem diagnosed:** Low yield due to heavy weed infestation.

v. **Important cause :** Low yield due to heavy weed infestation

vi. **Production system:** Rice -vegetable

vii. **Micro farming system:** Irrigated up land

viii. **Technology for Testing:** Use of herbicide for weed management

ix. **Existing Practice:** Manual weeding

x. **Hypothesis :** Use of Herbicide for weed management

xi. **Objective(s):** To evaluate two different herbicide for weed control
To evaluate effect of herbicide on yield
To assess decrease in cost of cultivation

xii. **Treatments:**

a) **Farmers Practice (FP):** Manual weeding

b) **Technology option-I (TO-I):** Pre-emergence application of pendimethalin (30% EC) 1kg/ha a.i followed by one hand weeding on 30 days after transplanting

c) **Technology option-II (TO-II):** Pre emergence application of Metribuzin (70%WP) 750 g/ha a.i followed by one hand weeding on30 Days after Transplanting

xiii. Critical Input :

xiv. **Unit Size:** 0.1 ha

xv. **No of Replications:** 7

xvi. **Unit Cost:** 2500

xvii. **Total Cost:** 17500

xviii. **Monitoring Indicator:** No. of fruits /plant, % of disease infection

xix. **Source of Technology :** ICAR-Directorate of Weed Research

ON-FARM TRIALS TO BE CONDUCTED 6

i. **Season:** *Kharif 2024* (Year-I)

ii. **Title of the OFT: ASSESSMENT OF INM PRACTICES IN BANANA**

iii. **Thematic Area:** Integrated Nutrient Management

iv. **Problem diagnosed:** Low yield due to improper nutrient management

v. **Important Cause** : Improper nutrient management

vi. **Production system:** Fruit cultivation

vii. **Micro farming system:** Irrigated upland

viii. **Technology for Testing:** INM practices in Banana

ix. **Existing practice:-** Application of fertilizer @ 200:100:100 g NPK/plant

x. **Hypothesis :** Integrated Nutrient Management practice in Banana

xi. **Objective(s):** To assess INM practices for higher yield

To assess INM practices suitable for saline soil condition

Treatments:

xii. **Farmers Practice (FP):**Application of fertilizer @ 200:100:100 g NPK/plant

a. **Technology option-I (TO-I):** Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor ,Azospirillum & PSB (incubated in FYM) per plant

b. **Technology option-II (TO-II):** Application of gypsum 2 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K in saline sodic soil increased the yield by 51 % over control.

xiii. **Critical Inputs: Bio fertilizer** and fertilizer

xiv. **Unit Size:** 0.1 ha

xv. **No of Replications:** 7

xvi. **Unit Cost:** 2500

xvii. **Total Cost:** 147500

xviii. M**onitoring Indicator:** No. of fingers /bunch, bunch weight

xix. **Source of Technology :** Dept. of Fruit science OUAT, 2014-15 and NRC Banana, 2013-14

ON-FARM TRIALS TO BE CONDUCTED 7

i. **Season: Kharif**,2024 (Year –I)

ii. **Title of the OFT: REFINEMENT OF IMPROVED TECHNIQUES OF PADDY STRAW MUSHROOM CULTIVATION USING CRUMBLED STRAW**

iii. **Thematic Area:** Mushroom Spawn Production

iv. **Problem diagnosed:** Low yield of paddy straw mushroom bed by using crumbled straw

v. **Important cause-** Crumbled straws are not use properly

vi. **Production system:** Homestead

vii. **Micro farming system:**

viii. **Technology for Testing:** Value addition of paddy straw mushroom by preparing different product

ix,. **Existing Practice** Limited value addition

x. **Hypothesis:** Use of crumbled for paddy straw mushroom cultivation decreases cost of cultivation

xi. **Objective(s**): Influence of age of the spawn on the yield of paddy straw mushroom

xii. **Treatments:**

a. Farmers Practice (FP): Rectangular compact method size. Mushroom production by using crumpled paddy straw -5kg with normal practices (soaking in water 5hr with 2% calcium carbonate) unknown age of spawn,3% of dry substrate weight, pulse power 3% dry substrate weight.

b. Technology option-I (TO-I): Square compact bed size (45x45x45cm) mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% $CaCo_3$, **14-20 age spawn** at 2% of dry substrate weight and horse gram power (at 3% dry substrate weight) **Source: Department of Plant Pathology, TNAU, Coimbatore,2012)**

c. Technology option-II (TO-II): Circular compact bed size (45cm diameter) Mushroom production by using crumpled paddy straw 5kg, soaking of water for 5hrs in 2% $CaCo_3$**,14-20 day age spawn** at 2%of dry substrate weight and horse gram power (at 3% dry substrate weight) **Source: Department of Plant Pathology, TNAU, Coimbatore,2012)**

xiii. **Critical Inputs:**

xiv. **Unit Size:** 315 beds

xv. **No of Replications:** 7

xvi. **Unit Cost: Rs.700/-**

xvii. **Total Cost: Rs. 4900**

xviii. **Monitoring Indicator:** Days of pin head appearance, Average fruit body weight, Biological efficiency**.**

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Department of Plant Pathology, TNAU,Coimbatore,2012

ON-FARM TRIALS TO BE CONDUCTED 8

i. **Season:** Rabi,2024 (Year –II)

ii. **Title of the OFT: ASSESSMENT OF PREPARATION OF SUGARCANE JAGGERY**

iii. **Thematic Area:** Value addition

iv. **Problem diagnosed:** Due to black colour and poor quality of jaggery fetching less market value and consumer acceptance

v. **Important cause-** Because of black colour of jaggery decreases market value & acceptance

vi. **Production system:** Homestead

vii. **Micro farming system:**

viii. **Technology for Testing:** Preparation of sugarcane jaggery

ix,. **Existing Practice** Limited value addition

x. **Hypothesis:** Use of organic clarificant during jiggery preparation will be enhanced & increased market acceptance

xi. **Objective(s**): To study the colour & acceptance of Jaggery.

xii. **Treatments:**

a) **Farmers Practice (FP):** Using chemical clarificant (Calcium hydroxide) for jaggery preparation

b) **Technology option-I (TO-I):** Vegetable Clarificant (Ladies finger extract) for jaggery preparation**.**

c) **Technology option-II (TO-II):** Vegetable Clarificant (Groundnut paste) for jaggery preparation

xiii. **Critical Inputs:**

xiv. **Unit Size:**

xv. **No of Replications:** 7

xvi. **Unit Cost:**

xvii. **Total Cost:**

xviii. **Monitoring Indicator: Colour, Acceptance, Net return/qtl. B:C ratio.**

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): CFTRI, Mysore, 2014**

ON-FARM TRIALS TO BE CONDUCTED* 9

i. **Season:** Kharif, 2024
ii. **Title of the OFT: ASSESSMENT OF LOW COST CONCENTRATE MIXTURE ON CB HEIFER FOR EARLY ONSET OF ESTRUS**
iii. **Thematic Area:** Livestock Production and Management
iv. **Problem diagnosed:** Improper nutrition of dairy heifer animals, late puberty, Decreased body condition of cows, Repeat breeding.
v. **Important Cause:** Reproduction failure & production loss.
vi. **Production system:** Semi-intensive
vii. **Micro farming system:** Stall fed
viii. **Technology for Testing:** Low cost concentrate mixture on cb heifer for early onset of estrus
ix. **Existing Practice:** Feeding straw + 5-6 kg wheat bran (100%)
x. **Hypothesis:** Early onset estrus & better reproductive health.
xi. **Objective(s):** Suitable body wt. & puberty time.
xii. **Treatments:**

a. **Farmers Practice (FP):** No supportive treatment

b. **Technology option-I (TO-I):** Straw + Concentrate mixture 1(Maize-50%, Wheat bran- 30%, GNOC-17%, mineral mix -2.5%, salt – 0.5%)

c. **Technology option-II (TO-II):):** Straw + Concentrate mixture 2 (Maize-25%, Broken rice- 25% Wheat bran – 30%, GNOC-10%, mineral mix -2.5%, salt -0.5%)

xiii. **Critical Inputs:** Feed
xiv. **Unit Size:** 10
xv. **No of Replications:** 10
xvi. **Unit Cost:**
xvii. **Total Cost:** 20000
xviii. **Monitoring Indicator:** Body weight at puberty, age at first heat, conception rate, BC ratio
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NDDB, 2022

ON-FARM TRIALS TO BE CONDUCTED* 10

i. **Season:** Rabi, 2024

ii. **Title of the OFT: ASSESSMENT OF INCLUSION OF BROKEN RICE AS A SUBSTITUTE FOR MAIZE AS FEED INGREDIENT IN POULTRY FEED FORMULATIONS ON GROWTH OF CHICKS IN SEMI-INTENSIVE SYSTEM OF REARING**

iii. **Thematic Area:** Livestock Production and Management

iv. **Problem diagnosed:** Poor growth rate of growing chicks due to poor feed provisioning due to high cost of commercially available poultry feed

v. **Important Cause:** Nutritional management, feed cost

vi. **Production system:** semi-intensive

vii. **Micro farming system:** Semi-intensive, free ranging

viii. **Technology for Testing:** Broken rice substitution

ix. **Existing Practice:** Feeding of straw

x. **Hypothesis:** Reduction in feed cost, Improved production

xi. **Objective(s):** Inclusion of broken rice as a substitute for maize as feed ingredient in poultry feed

xii. **Treatments:**

a) **Farmers Practice (FP):** Feeding of only broken rice during 35 days followed by free range feeding

b) **Technology option-I (TO-I):** :Feeding with ground maize 35%,GNOC 23%, fish meal 10%, wheat bran 15%, broken rice 15%, Mineral Mix & salt 2%

c) **Technology option-I (TO-II):** Feeding with Ground maize- 30%, Broken rice-20% GNOC-20% Fish meal-8%, wheat bran-19%, Mineral mix-2%, salt-1%

xiii. **Critical Inputs:** Feed

xiv. **Unit Size:** 10

xv. **No of Replications:** 100

xvi. **Unit Cost:**

xvii. **Total Cost:**

xviii. **Monitoring Indicator:** Body weight at 15 days, 30days, 45 days, mortality rate, ody wt. gain, Egg production, BC ratio

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-CIWA 2016,

ON-FARM TRIALS TO BE CONDUCTED* 11

i. **Season:** Rabi, 2024

ii. Title of the OFT: ASSESSMENT OF DIFFERENT DUCK BREEDS IN BACKYARD

iii. **Thematic Area:** Livestock Production and Management

iv. **Problem diagnosed:** Duck breeds reared are purely traditional and less remunerative

v. **Important Cause:** Local breeds, Low production, High mortality, Less economy

vi. **Production system:** semi-intensive

vii. **Micro farming system:** Semi-intensive, free ranging

viii. **Technology for Testing:** Different duck breeds in backyard

ix. **Existing Practice:** Local duck or desi variety

x. **Hypothesis:** Low mortality, Higher production

xi. **Objective(s):** Finding a suitable Duck breed for the Agro-climatic zone.

xii. Treatments:

(a) Farmers Practice (FP): Local duck or desi variety

(b) Technology option-I (TO-I) : Khaki Campbell rearing in backyard

(c) Technology option-I (TO-II): Desi X Khaki Campbell cross rearing in backyard

xiii. **Critical Inputs:** 21 days brooded ducklings

xiv. **Unit Size:** 10

xv. **No of Replications:** 500

xvi. **Unit Cost:**

xvii. **Total Cost:** 20000

xviii. **Monitoring Indicator:** Chick mortality, Growth rate and egg productivity , BC ratio

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-CARI, BBSR, 2016-17

,

ON-FARM TRIALS TO BE CONDUCTED* - 12

i. **Season:** *Kharif*, 2024 (Year-I)

ii. **Title of the OFT: ASSESSMENT OF EFFECTIVENESS OF VARIOUS SOURCES OF INFORMATION FOR PEST MANAGEMENT IN RICE**

. iii. **Thematic Area**:

iv. Problem diagnosed: Yield loss in rice

v. Important Cause : Poor accessibility to accurate and timely information on technical knowledge for pest management

vi. **Production system:** Rice-Pulse-Vegetable

vii. **Micro farming system:** Rice-pulses (Rainfed)

viii. **Technology for Testing:** Effectiveness of various sources of information for pest management in rice

ix. **Existing Practice:** Information from fellow farmers

x. **Hypothesis :** Technological backstopping from Front line extension workers(KVK/RRTTS/SAU/ICAR) is most effective.

xi. **Objective(s):** To evaluate the effectiveness of various sources of information for pest management in rice

xii. **Treatments:**

(a) **Farmers Practice :** Farmers marketing their produce individually through intermediaries

(b) **Technology option-I (TO-1):** Information from fellow farmers

(c) **Technology option-II (TO-2):** Information from input dealers (Information to be collected through identified dealers)

(d) **Technology option-III (TO-3):** Technological backstopping from first line extension workers Extension functionaries (Information through AAOs/KS/VAWs)

(e) **Technology option-IV (TO-4):** Technological backstopping from Front line extension workers(KVK/RRTTS/SAU/ICAR)

xiii. **Critical Inputs:**

xiv. **Unit Size:** 120 farmers

xv. **No of Replications:** 03

xvi. **Unit Cost:**

xvii. **Total Cost:**

xviii. **Monitoring Indicator:** Accuracy, timeliness, usability, reliability, accessibility, change in knowledge, skill and attitude

xix : **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

ON-FARM TRIALS TO BE CONDUCTED* - 13

i. **Season:** *Kharif*, 2024 (Year-II)

ii. **Title of the OFT: ASSESSMENT OF EFFECTIVENESS OF DIFFERENT EXTENSION METHODS TO ACCESS INFORMATION ON RICE PRODUCTION**

iii. **Thematic Area**: ICT

iv. Problem diagnosed: Low rate of transfer of technology

v. Important Cause : Poor accessibility to accurate and timely information on technical knowledge/advisory in different production system

vi. **Production system:** Rice-pulses (Rainfed)

vii. **Micro farming system:** Rainfed, Upland, Irrigated, Medium land

viii. **Technology for Testing:** Effectiveness of different extension methods to access information on rice production

ix. **Existing Practice:** Farmers getting information from private apps & websites besides peer group, input dealers, extension functionaries, mass media, KMA

x. Hypothesis : The apps developed by Govt. institutions/Govt. undertaking institutions are more credible as far as dissemination of information is concern.

xi. **Objective(s):** To evaluate different extension methods to access information on rice production

xii. **Treatments:**

a) **Farmers Practice :** Farmers getting information from private apps & websites besides peer group, input dealers, extension functionaries, mass media, KMA
b) **Technology option-I (TO-1):** FP + Short Video Lecture+ Focus Group discussion
c) **Technology option-II (TO-2):** FP + Using of " Xpert" App.

xiii. **Critical Inputs:**

xiv. **Unit Size:** 90 farmers

xv. **No of Replications:** 2

xvi. **Unit Cost:**

xvii. **Total Cost:**

- xviii. **Monitoring Indicator:** Timely Availability / delivery of technology, suitability of technology, ease in handling, retention and retrieve information
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

-

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)
1	NICRA	12,00,000
2	ARYA	14,00,000
3	DAMU	20,00,000

11. No. of success stories proposed to be developed with their tentative titles

12. Scientific Advisory Committee

Date of SAC meeting held during 2023	Proposed date during 2024
06.01.2023	06.01.2024

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F			
Soil Samples	450										35	2250
Water Samples												
Other (Please specify)												
Total	450										35	2250

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2024	Expected fund requirement (Rs.) during 2024-25
KVK	27,62,800	30,00,000
Total	27,62,800	30,00,000

* Any additional requirement may be suitably justified.

15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data

Senior Scientist & Head
KVK, Ganjam-I