

ACTION PLAN

2021

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PROFORMA FOR ACTION PLAN 2021

1. Name of the KVK: JAGATSINGHPUR

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2.Name of host organization : OUAT, Bhubaneswar

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OUAT, Bhubaneswar, Pin-751003, Odisha	(0674) 2392677	(0674) 2391780	registrarouat@gmail.com

3.Training programme to be organized (January 2020 to December 2020)

(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
Weed Management	Chemical weed management in Greengram	1	1	OFC	January last week									30
Crop Management	Summer ploughing & its importance	1	1	OFC	February last week									30
Crop Management	Crop residue management	1	1	OFC	March first week									30
Soil Management	Importance of soil testing	1	1	OFC	April second week									30
Problem soil Management	Green manuring in rice	1	1	OFC	May second week									30
Crop management	Seed treatment in rice	1	1	OFC	June first week									30
Crop management	Line transplanting un rice	1	1	OFC	June first week									30
Weed Management	Weed management in rice	1	1	OFC	July last week									30
Water management	Management of water submergence in rice	1	1	OFC	August first week									30
Weed management	weed management in Sugarcane	1	1	OFC	September last week									30

Weed Management	Weed management in oilseed crops	1	1	OFC	October third week									30
Crop Management	Seed treatment in pulse and oilseed crops	1	1	OFC	November second week									30
Crop Management	Management of rice fallow area	1	1	OFC	December last week									30
Yield increment	Cowpea varieties with their characteristics	1	1	OFC	April									30
Yield increment	HYV and hybrids of Okra with their characteristics	1	1	OFC	May									30
Integrated nutrient management	Methods of application of Arka Vegetable Special in Bitter gourd	1	1	OFC	June									30
Integrated nutrient management	Nutrient management in bearing coconut.	1	1	OFC	July									30
Integrated nutrient management	Nutrient management in bearing Arecanut.	1	1	OFC	July									30
Integrated nutrient management	Nutrient management in Chili	1	1	OFC	August									30
Cultivation of fruits	Planting technique of Banana & papaya	1	2	ONC	September									30
Integrated nutrient management	Methods of application of Arka Microbial Consortium in tomato	1	1	OFC	October									30
Integrated nutrient management	Methods of application of NPK(19:19:19) in cauliflower	1	1	OFC	November									30
Yield increment	HYV and hybrids of Chili with their characteristics	1	1	OFC	December									30
Nutrient management	Use of secondary and micro nutrients	1	1	OFC	1st week April									30

	in cucurbit crops													
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	1	OFC	1st week May									30
Nutrient management	Technique of soil sample collection	1	1	OFC	4rd week May									30
Nutrient management	Management of micronutrient deficiency in rice crop	1	1	OFC	2nd week July									30
Nutrient management	Use of biofertilizer in brinjal crop	1	1	OFC	1st week November									30
Nutrient management	Use of micro nutrient in cole crops	1	1	OFC	1st week November									30
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	1	OFC	1st week July									30
Nutrient management	Use of Biofertilizer in pulse crop	1	1	ONC	1st week December									30
Nutrient management	Use of secondary and micronutrient management in tomato crop	1	1	ONC	3rd week November									30
Nutrient management	Technique of soil sample collection	1	1	OFC	3rd week December									30
Nutrient management	Management of acid soil	1	1	OFC	2nd week June									30
Nutrient management	Management of saline soil	1	1	OFC	2nd week January									30
Nutrient management	Methods of compost preparation	1	1	ONC	2nd week October									30
Fishery	Pre-stocking management in fish culture pond	1	1	OFC	first week July									30
Fishery	Integrated fish farming ¹	1	1	OFC	First week of August									30
Fishery	Nursery rearing method in fish culture pond	1	1	OFC	Second week of August									30
Fishery	Culture practice of Jayanti Rohu	1	1	OFC	last week of									30

	along with IMC				September									
Fishery	Culture practice of Amur carp along with IMC	1	1	OFC	first week of November									30
Fishery	Liming and manuring in fish culture pond and its importance	1	1	ONC	Last week of July									60
Fishery	Culture of Freshwater prawn along with mix carp	1	1	OFC	First week of November									30
Fishery	Culture of catfishes in biofloc tank system	2	4	ONC	last week of May asnd June									30
Fishery	Yearling culture and its benefits in fish farming	1	1	OFC	Second week of December									30
Insect management	Seed and seedling treatment for pest and disease management in Rice	1	1	OFC	May 2 nd week									30
Insect management	Management of Leaf folder in rice	1	1	OFC	June 1 st week									30
Insect management	Application of Bio intensive measures for control of rice pests	1	1	OFC	June last week									30
Insect management	Management of white fly in Okra	1	1	OFC	July 2nd week									30
Disease management	Management of Sheath Blight in Riice	1	1	OFC	August 2nd week									30
Insect management	Management of white fly in Okra	1	1	OFC	Sept 2nd week									30
Disease management	Management of Phomosis blight in brinjal	1	1	OFC	Octo.3rd week									30
Disease management	Management of Neck blast in rice	1	1	OFC	Octo.3rd week									30
Insect management	Use of control measures against leaf minor in tomato	1	1	OFC	Nov. 1st week									30
Insect management	Application of chemicals for vector control in	1	1	OFC	jan 1st week									30

	green gram													
Insect management	Application of chemicals for vector control in Brinjal	1	1	OFC	Jan 2 nd week									30
Insect management	Bio agent release and their role against brinjal fruit & shoot borer	1	1	OFC	Feb 2nd week									30
Insect management	Use of control measures against leaf minor in tomato	1	1	OFC	Mar. 1st week									30
Poultry farming	Nutritional deficiency diseases of poultry birds	1	1	OFC	June 1st week									30
Dairy farming	Management of Dairy cows in post-partum period	1	1	OFC	July 3rd week									30
Dairy Farming	Ration Balancing in Dairy Cows	1	1	OFC	August 2nd Week									30
Sheep Management	Feeding and disease management in Sheeps: Kenrapara breed	1	1	OFC	August 3rd week									30
Dairy farming	Management practices for rearing of female calves.	1	1	OFC	September 1st week									30
Feed management	Preparation of feed from non-conventional feed sources: Silage making, UMMB preparation, Paddy straw enrichment	1	1	OFC	September 3rd week									20
Poultry farming	Duck farming.	1	1	OFC	October 1st week									30
Poultry farming	Vaccination and disease management in poultry birds	1	1	OFC	October 4th week									30
Poultry farming	Balanced feeding of birds in backyard system of rearing	1	1	OFC	November 2nd week									30

Fodder cultivation	Fodder cultivation: Hybrid napier, Maize, Guinea grass, cowpea, rice bean.	1	1	OFC	December 1st week									30
Goat management	Feeding and Housing management in goat farming.	1	1	OFC	January 2nd week									30
Goat management	Vaccination and diseases management in goat farming.	1	1	OFC	February 2nd week									30
Drudgery reduction	Use of 4-row paddy drum seeder in paddy for drudgery reduction of farm women	1	1	OFC	July 2nd week									30
Mushroom Cultivation	Paddy straw mushroom cultivation by using loose straw by farm women	1	1	OFC	June 2nd week									30
Mushroom Cultivation	Cultivation practices of Milk mushroom	1	1	OFC	June 4th week									30
Value addition	Preparation of value added products from Oyster mushroom	1	1	OFC	December 4th week									30
Mushroom Cultivation	Caning & packaging of Paddy straw mushroom	1	1	OFC	August 2nd week									30
Nutritional Garden	Planning, layout and designing of nutritional garden	1	1	OFC	May 2nd week									30
Post Harvest management	Preparation of value added products from seasonal fruits and vegetables	1	1	OFC	November 3rd week									30

Mushroom Cultivation	Using diff. substrates for Oyster mushroom cult.	1	1	OFC	November 1st week										30
Drudgery reduction	Farm implements used in paddy for drudgery reduction of farmwomen	1	1	OFC	November 3rd week										30
Nutrient management	Process of minimization of nutrient loss in food processing	1	1	OFC	December 1st week										30
Nutrient management	Designing and development for high nutrient efficiency diet	1	1	OFC	August 4 th week										30
Nutrient management	Method of preparation of low cost diet for farm family	1	1	OFC	3 rd week of July										30

(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	
Seed Production	Seed production in Rice crop	1	2	ONC	November First week										20
Planting material production	Vegetable seedling raising technique using pro-trays.	1	2	ONC	November										20
Employment Generation	Entrepreneurship development through Bee Keeping	1	5	ONC	Second week of March										20
Employment Generation	Entrepreneurship development through Production of Organic inputs	1	5	ONC	Second week of August										20
Employment Generation	Entrepreneurship development through Nursery business	1	5	ONC	October										20
Vermicomposting	Technique of Vermicompost production	1	3	ONC	3rd week of August										20

Ornamental fishery	Culture practice and Breeding methods of Ornamental fish.	1	2	ONC	First week of January									20
Poultry Farming	Brooding management in chicks	1	2	ONC	December 2nd week									20
Income Generation	Spawn culture preparation	1	4	ONC	September 3 rd week									20
Value addition	Preparation of value added products from Oyster mushroom	1	4	ONC	December 3 rd week									20
Value addition	Preparation of value added products from prawn and fish	1	2	ONC	First week of February									20

(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	Annual planning of weed pest management in system agriculture	1	1	ONC	November last week									20
Production and use of organic inputs	Organic Vegetable cultivation	1	2	ONC	December									20
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	2	ONC	4th week of June									20
Insect and disease management	Safe use of pesticides	1	2	ONC	March 1 st week									20
Dairy farming	Antibiotic resistance in livestock and poultry	1	1	ONC	January 3rd week									20
Dairy farming	Parasitic disease	1	1	ONC	March Second									20

	management in cows.				week									
Gender Mainstreaming	Gender mainstreaming through SHGs	1	1	ONC	August 1 st week									20

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

Farmers and Farm women

Thematic Area	No. of Cours es	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3												90
Resource Conservation Technologies	3												90
Cropping Systems													
Crop Diversification	1												30
Integrated Farming													
Water management	1												30
Seed production													
Nursery management	1												30
Integrated Crop Management	2												60
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	2												60
TOTAL	13												390
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	4												120
Water management													
Enterprise development													
Skill development													
Yield increment	3												90
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any													
TOTAL	7												210
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1												30
Management of young plants/orchards													

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
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	1												30
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	2												60
Processing and value addition													
Others, if any													
TOTAL	2												60
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													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	05												150
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs	02												60
Management of Problematic soils													
Micro nutrient deficiency in crops	03												90
Nutrient Use Efficiency													
Soil and Water Testing	03												90
Others, if any													
TOTAL	13												390

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	
IV. Livestock Production and Management													
Dairy Management	03												90
Poultry Management	04												120
Piggery Management													
Rabbit Management													
Disease Management													
Feed management	02												40
Production of quality animal products													
Others, if any (Goat farming)	03												90
TOTAL	11												340
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	01												30
Design and development of low/minimum cost diet	01												30
Designing and development for high nutrient efficiency diet	01												30
Minimization of nutrient loss in processing	01												30
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	02												60
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	02												60
Rural Crafts													
Capacity building													
Women and child care													
Others, if any(Mushroom cultivation)	04												120
TOTAL	12												360
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	9												270
Integrated Disease Management	3												90
Bio-control of pests and diseases	1												30
Production of bio control agents and bio pesticides	0												0
Others, if any	0												0
TOTAL	13												390
VIII. Fisheries													
Integrated fish farming	1												30
Carp breeding and hatchery management													
Carp fry and fingerling rearing	1												30
Composite fish culture & fish disease	5												150
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	1												30
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	2												60
TOTAL	10												300
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													

Thematic Area	No. of Cours es	No. of Participants									Grand Total		
		Other			SC			ST					
	M	F	T	M	F	T	M	F	T	M	F	T	
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	82												2460

Rural youth

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
Mushroom Production	1												20
Bee-keeping	1												20
Integrated farming													
Seed production	1												20
Production of organic inputs	2												40
Planting material production	1												20
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1												20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Piggery													
Rabbit farming													
Poultry production	1												20
Ornamental fisheries	1												20
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology	1												20
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (Floriculture)													
TOTAL	10												200

Extension functionaries

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	1												20
Integrated Pest Management	1												20
Integrated Nutrient management	2												40
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													

Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	2												40
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1												20
Gender mainstreaming through SHGs	1												20
Crop intensification													
Others if any													
TOTAL	8												160

Frontline demonstration to be conducted*

FLD-1

Crop: Rice

Thrust Area: Problem soil

Thematic Area: Saline soil management

Season: Kharif 2021

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
1	Dhaincha	2	Brown manuring (Spraying of 2.4-D on 25 days old Sesbania spp. which was shown with rice)	Initial Soil test value of pH and EC and SOC. No. of tillers m ² , No. of filled grain per panicle, 1000 grain weight (gm)												10

Extension and Training activities under FLD:

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	
Field Day	Demonstration of Brown in rice	01	F & FW	01	OFF									50
Training	Brown manuring in rice	01	F & FW	01	OFF									30

FLD-2

Crop: Rice

Thrust Area: Lower yield due to less tolerant of local varieties to water logging

Thematic Area: Varietal Replacement

Season: Kharif 2021

Farming Situation: Rainfed- Lowland/medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology	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

		Unit (No.)		demonstrated												
1	Rice	2	Cultivation of submergence tolerance rice variety Swarna Sub 1	Plant Height, Tillers/m ² , Grain yield, B:C ratio												10

Extension and Training activities under FLD:

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	Demonstration of submergence tolerance rice variety Swarna Sub 1	01	F & FW	01	OFF									50
Training	Management of water submergence in rice	01	F & FW	01	OFF									30

FLD-3

Crop: Sugarcane

Thrust Area: Yield loss due to high weed infestation

Thematic Area: Weed Management

Season: Rabi 2021-22

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

1	Sugarcane	2	Pre emergence application of metribuzin @ 1.25 Kg a.i/ha followed by one hand weeding at 60 days after planting (Source: AICRP on Sugarcane (OUAT), 2016	- Weed density, WCE (%), Weight of One Cane (kg), Yield (q/ha), B:C Ratio												10
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Extension and Training activities under FLD:

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	Demonstration of weed management in Sugarcane	01	F & FW	01	OFF									50
Training	weed management in Sugarcane	01	F & FW	01	OFF									30

FLD-4

Crop: Black gram

Thrust Area: Low yield due local varieties susceptible to YMV

Thematic Area: Varietal replacement

Season: Rabi 2021-22

Farming Situation: Rainfed 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	
1	Green gram	2	Demonstration of Blackgram	Nodule no/plant,													10

			variety PU-31, seed inoculation with Rhizobium @ 20g/kg seed and treatment with ammonium molybdate @ 10 g /25 kg of seed.	Nodules wt/plant, pod wt/plant, grain weight /plant												
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Extension and Training activities under FLD:

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	Demonstration of Blackgram variety PU-31	01	F & FW	01	OFF									50
Training	Cultivation practice of blackgram	01	F & FW	01	OFF									30

FLD-5

Crop: Okra

Thrust Area: Low yield due to YVMV

Thematic Area: Varietal Introduction

Season: Kharif-2021

Farming Situation: Rainfed-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
1.	Okra Var. Arka Nikita	1.0	Use of Okra hybrid Arka Nikita resistant	Plant height (cm), No. of branches per plant, Days to	Seed			8	0	0	0	12	0	20	0	20

			to YVMV	50% flowering, No. of pods per plant, yield/plant, Yield(q/ha).												
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Extension and Training activities under FLD:

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	Demonstration on okra hyb. Arka Nikita	01	F & FW	01	OFF									50
Training	HYV and hybrids of Okra with their characteristics	01	F & FW	01	OFF									30

FLD-6

Crop: Bitter gourd

Thrust Area: Low yield due to small sized fruits.

Thematic Area: Nutrient Management

Season: Kharif-2021

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
1.	Bitter gourd	1.0	Application of NPK fertilizers with soil application of Arka	Plant length (cm), No. of leaves/plant, fruit	Arka Vegetable Special			8	0	0	0	12	0	20	0

			Vegetable Special	length (cm), fruit wt.(g), Yield(q/h a).												
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Extension and Training activities under FLD:

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	
Field day	Demonstration of Arka Vegetable Special in Bitter gourd	01	F & FW	01	OFF									50
Training	Methods of application of Arka Vegetable Special in Bitter gourd	01	F & FW	01	OFF									30

FLD-7

Crop: Tomato

Thrust Area: Low yield

Thematic Area: Nutrient management

Season: Rabi-2021-22

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
1.	Tomato var. Arka Rakshak	1.0	Application of NPK fertilizers with soil application of Arka Microbial	Plant height (cm), No. of branches/ plant,	Arka Microbial Consortium Tomato										10

			Consortium	fruit wt.(g), yield(kg)/ plant, Yield(q/ha).	Seedlings											
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Extension and Training activities under FLD:

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	
Field day	Demonstration of Arka Microbial Consortium in tomato	01	F & FW	01	OFF									50
Training	Methods of application of Arka Microbial Consortium in tomato	01	F & FW	01	OFF									30

FLD-8

Crop: Cauliflower

Thrust Area: Low yield due to small curd size

Thematic Area: Nutrient management

Season: Rabi-2021-22

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
1.	Cauliflower var.Cemax	1.0	Foliar application of Polyfeed NPK(19:19:	Plant height (cm), no. of	Polyfeed NPK (19:19:19:19), Seedlings										10

			19) in cauliflower. (thrice at 15 days intervals).	leaves/plant, curd diameter (cm), curd wt.(g), yield(q/ha).												
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Extension and Training activities under FLD:

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	Demonstration on foliar application of Polyfeed NPK(19:19:19) in cauliflower	01	F & FW	01	OFF									50
Training	Methods of application of Polyfeed NPK(19:19:19) in cauliflower	01	F & FW	01	OFF									30

* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

FLD-1**Crop:** Brinjal**Thrust Area:** Low yield**Thematic Area:** Soil health management**Season:** Kharif 2021**Farming Situation:** Rainfed 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	
1	Brinjal	02	Application on 75% of STBR fertilizer Nitrogen + Azotobactor 4 kg/ha + Azosprillum 4 kg/ha + full dose of P and K at the time of transplanting (AINP on Soil Biodiversity-Biofertilizers Odisha, 2018)	Initial and after harvest soil test value, Plant height (cm), No. of branches /plant, No. of fruits / plant, fruit weight (g), Yield (q/ha)													10

Extension and Training activities under FLD:

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	INM in Brinjal	01		01	OFF									30
Field Day	Demonstration on INM in Brinjal	01		01	OFF									50

FLD-2**Crop:** Rice**Thrust Area:** Lower yield due to improper nutrient management**Thematic Area:** Soil health management**Season:** Kharif 2021-22**Farming Situation:** Rainfed low 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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	02	Soil test based NPK with FYM @ 5 t/ha + zinc @2.5 kg/ha (AICRP on Micro-Secondary Nutrients & Pollutant Elements, Odisha, 2018)	Pre and post kharif soil sample analysis, root growth(cm), plant height (cm), No. of tillers/m ² , 1000 grain weight (gm), No. of tiller/hill, grain yield (q/ha)												10

Extension and Training activities under FLD:

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	
Training	Management of micronutrient deficiency in rice crop	01		01	OFF									30
Field day	Demonstration on zinc application in low land rice	01		01	OFF									50

FLD-3**Crop:** Cauliflower**Thrust Area:** No use of secondary and micro nutrients**Thematic Area:** Soil health management**Season:** Rabi 2021-22**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
1	Cauliflower	1.0	STBR NPK+S @ 30 kg/ ha + Boron @1 kg/ha at the time of basal application (AICRP on Micro-Secondary Nutrients & Pollutant Elements, Odisha, 2018)	Initial and after harvest soil test value, curd wt (gm), Plant spread (cm), No. of days harvested ,												10

Extension and Training activities under FLD:

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	Use of secondary and micronutrient management in cauliflower crop	01		02	OFF									30
Field day	Demonstration on sulphur and boron for curd size, keeping quality and higher yield in cauliflower	01		01	OFF									50

FLD-12**Crop:** Tomato**Thrust Area:****Thematic Area:** Soil health management**Season:** Rabi 2021-22**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
1	Tomato	01	STBR NPK + inoculation of OUAT consortia Bio-fertilizers to pre limed (5%) 300 kg FYM/VC(1:25) incubated for 7 days and applied on the day of planting	Initial and final soil soil test value, Fruit weight (g)/plant, No. of fruits/plant,												10

Extension and Training activities under FLD:

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	Use of biofertilizer in tomato crop	01		02	OFF									30
Field day	Demonstration on consortia Bio-fertilizers application in tomato	01		01	OFF									50

FLD-13**Crop:** Rice**Thrust Area:** Low yield due to disease incidence**Thematic Area:** Integrated Disease management**Season:** Kharif, 2021**Farming Situation:** Rainfed 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	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	2	Spraying of Trifloxystrobin 25%+Tebuconazole 50% 75 WG twice after 30 & 60 DAT (NRRI ANNUAL Report - 2014)	Infected tillers /m ²												10

Extension and Training activities under FLD:

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	Demonstration of management sheath blight in rice	01	F & FW	01	OFF									50
Training	Management of SB in rice	01	F & FW	01	OFF									30

FLD-14**Crop:** Okra**Thrust Area:** Low yield due to YMV in Okra**Season:** Kharif, 2021**Farming Situation:** Rainfed 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
1	Green gram	2	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil 5 @5ml/lit spray on appearance of white fly on YST + Spraying of Spiromesifen 1ml/lit and Dinotefuran 20WG alternately at 10 days interval OUAT , SLREC Proc. , 2018 (RRTS-DKL)	Stage of the plant, Pest monitoring ,pest count/leaf/plant, no. of infested leaves /m2	Yellow sticky trap, Imidacloprid 600 FS, Spiromesifen											10

Extension and Training activities under FLD:

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	Demonstration of Integrated management of YMV in Okra	01	F & FW	01	OFF									50
Training	Management of YMV in Okra	01	F & FW	01	OFF									30

FLD-15

Crop: Brinjal

Thrust Area: Low yield due to Disease incidence

Thematic Area: Disease management

Season: Rabi 2021-22

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
1	Brinjal	2	Seed treatment with Metalaxyl+ Mancozeb 72% WP @ 2gm/kg +soil application of carbofuran @ 1kg a.i./ha+ soil drenching of carbendazim 0.15%+ streptocycline 0.015% at 30 and 45 days after transplanting OUAT , SLREC Proc. , 2018(RRTT S-DKL)	Wilting Index, Yield and Economics												10

Extension and Training activities under FLD:

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	Demonstration of Integrated management of wilt complex of Brinjal	01	F & FW	01	OFF									50
Training	Integrated management of wilt complex of Brinjal	01	F & FW	01	OFF									30

FLD-16

Crop: Bitter gourd

Thrust Area: Fruit fly problem in bitter gourd
Thematic Area: Integrated Disease management
Season: Rabi, 2021-22
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 Cultivation (Rs.) of			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Bitter gourd	2	Soil application of chlorpyrifos dust around the plant at 30 DAG, placement and spot application of Jaggery (100 g), dichlorvos (2 ml) and water (1 liter) poison bait (BAT), installation of cue lure @ 20/ha (MAT) and periodic removal and destructions of damaged fruits OUAT RRTTS Ranital-2016	Disease incidence % (PDI), Yield and Economics												10

Extension and Training activities under FLD:

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	Demonstration of Integrated management of Fruit fly in Bitter gourd	01	F & FW	01	OFF									50
Training	Integrated management of Fruit fly in Bitter gourd	01	F & FW	01	OFF									30

FLD-17

Crop/Enterprise: Goatary
Thrust Area: Feeding Management
Thematic Area: Livestock production management
Season: Rabi 2020-21
Farming Situation: Semi intensive goat rearing

Sl.	Crop &	Propose	Technology	Parameter	Cost of Cultivation (Rs.)	No. of farmers / demonstration
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N o.	variety / Enterpris es	d Area (ha)/ Unit (No.)	package demonstration for	(Data) in relation to technology demonstra ted	Nam e of Inpu ts	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Goatary	20 units	Rearing of mother goats (Does) in last month of pregnancy and early lactation (during the period scarcity of green fodder i.e. lean season) by use of concentrate (Crude protein 16% -18 %) + gram straw ad libitum in the ratio of 50:50 (ICAR CIRG 2017-18)	Kid Survival rate, gain in boy weight in 1 month, 3 month												20

Extension and Training activities under FLD:

Extension and Training activities under FED:

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	
Training	Feeding and Housing management in goat farming.	01		01	OFF									30
Exposure/field day	Demonstration on Concentrate feeding in does for reducing kid mortality.	01		01	OFF									50

FLD-18

Crop/Enterprise: Dairy

Thrust Area: Feeding Management

Thematic Area: Livestock production management

Season: Kharif 2020

Farming Situation: Small Scale Dairying

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
1	Dairy	20 units	Supplementation of bypass fat in ration of high yielding cows @ 15 gms/kg of milk production/day and mineral mixture @ 80gms/day/cow (AICRP on NPIERPA at DUVASU, Mathura, 2017-18)	Milk yield in kg during the period of treatment, milk Fat and SNF %, Milk price in Rs/kg												20

Extension and Training activities under FLD:

Extension and Training activities under FED:

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	
Training	Ration balancing in dairy cows	01		01	OFF									30
Exposure/field day	Demonstration on bypass fat feeding in cows	01		01	OFF									50

FLD-19

Crop/Enterprise: Poultry

Thrust Area: Feeding Management

Thematic Area: Livestock production management

Season: Rabi 2020-21

Farming Situation: Semi intensive poultry farming

Sl	Crop &	Propo	Technolo	Paramet	Cost of	Cultivation	No. of farmers / demonstration								
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S. No.	variety / Enterprises	Seed Area (ha)/ Unit (No.)	Technology package for demonstration	Enter (Data) in relation to technology demonstrated	(Rs.)											
					Name of Inputs	Demo	Locality	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Poultry	20 units	Rearing of Kadaknath Chicks with artificial heating, balanced feeding, vaccination and supplementary feeding after brooding (CPDO, Bangalore and OUAT 2014)	Mortality rate, Body weight at 14 days, 28 days												20

Extension and Training activities under FLD:

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	Balanced feeding of birds in backyard system of rearing	01		01	OFF										30
Exposure/field day	Artificial brooding management in Kadaknath chicks	01		01	OFF										50

FLD-20

Crop/Enterprise: Dairy

Thrust Area: Feeding Management

Thematic Area: Livestock production management

Season: Kharif 2020

Farming Situation: Small Scale Dairying

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ Demonstration								
				Proposed	Actual	SC		ST		Others		Total		
						M	F	M	F	M	F	M	F	T
1.	Dairy	Feeding Management	Cultivation of Hybrid Napier CO-5 and fodder cow pea. (NDDDB 2015-16)	5 units										

Extension and Training activities under FLD:

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	
Training	Cultivation of fodder – Hybrid Napier, Maize, Guinea grass cow pea, rice bean	01		02	ON									20
Exposure/field day	Demonstration on cultivation of Hybrid Napier CO-5 and fodder cow pea.	01		01	OFF									50

FLD-21**Crop/Enterprise** Pisciculture**Thrust Area:** Low Income**Thematic Area:** Composite fish culture**Season:** Kharif, 2021**Farming Situation:** Pond based

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
1	Fish	2	Stocking Catla:Jayanti Rohu:Mrigal@ 3:4:3 along with fresh water prawn with stocking density @ 7000 fingerlings /Ha and 3000PL/Ha CIFA, Bhubaneswar, 2016	Growth rate , yield ,average weight												10

Extension and Training activities under FLD:

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	
Field day	Demonstration of “Jayanti Rohu” in composite carp culture along with Freshwater prawn for more yield	01	F & FW	01	OFF									50
Training	Culture practice of Jayanti Rohu along with IMC and Freshwater prawn	01	F & FW	01	OFF									30

FLD-22**Crop/Enterprise** Pisciculture**Thrust Area:** Low Income**Thematic Area:** Composite fish culture**Season:** Kharif,2021**Farming Situation:** Pond based

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
1	Fish	2	Stocking of catla: rohu :mirgal:amur carp @ 3:4:1.5:1.5 @ 10000 nos/fingerlings/ha (NFDB News letter, 2016)	Avg. wt., growth rate, yield												10

Extension and Training activities under FLD:

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	FLD-19 Demonstration of Amur carp in composite pisciculture	01	F & FW	01	OFF									50
Training	Culture practice of Amur carp along with IMC	01	F & FW	01	OFF									30

FLD-23**Crop/Enterprise:** Four row paddy drum seeder**Thrust Area:** Women in Agriculture**Thematic Area:** Drudgery reduction**Season:**Kharif 2021**Farming Situation:** Rainfed medium land

Sl. N o.	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	
1	Four row paddy drum seeder	1	This equipment is suitable for line sowing of sprouted paddy seeds in puddled field. It has 18 holes of 10 mm dia for dropping the sprouted seed in puddled field. Light in weight, and easy to transport and handle. Hill dropping of seed is achieved and continuous drilling is eliminated. CAET, OUAT, Bhubaneswar, 2011	Energy expenditure rate (KJ/min),WH R (beats/min),% reduction in drudgery, % increase in efficiency,													10

Extension and Training activities under FLD:

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	Demonstration of Four row paddy drum seeder in paddy for drudgery reduction of farmwomen	1	FW	1	Off									50
Training	Use of Four row paddy drum seeder in paddy for drudgery reduction of farmwomen	01	F & FW	01	OFF									30

FLD-24

Crop: Mushroom

Thrust Area: Women in Agriculture

Thematic Area: Mushroom cultivation

Season: Rabi 2021-212

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
1	Mushroom	200 beds	Demonstration of Blue Oyster mushroom var:Hypsizyous ulmarious (CTMRT, OUAT, Bhubaneswar, 2014)	Duration (days for fruiting) Wt of fruiting bodies(g m), No.of fruit body per bed, Length & breadth of fruit body												10

Extension and Training activities under FLD:

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	Demonstration of Blue Oyster mushroom var:Hypsizyous ulmarious	01	F & FW	01	OFF									50

FLD-25**Crop:** Mushroom**Thrust Area:** Women in Agriculture**Thematic Area:** Mushroom cultivation**Season:** Kharif 2021**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
1	Mushroom	200 beds	Production of paddy straw mushroom with loose straw (KVK, OUAT, 2016)	Days to first flush, Size of fruiting body,												10

Extension and Training activities under FLD:

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	Demonstration of paddy straw mushroom with threshed straw	01	F & FW	01	OFF									50
Training	Paddy straw mushroom cultivation by using loose straw by farm women	01	F & FW	01	OFF									30

FLD-26**Crop:** Nutritional garden**Thrust Area:** Women in Agriculture**Thematic Area:** Nutritional security**Season:** Kharif 2021 & Rabi 2021-22**Farming Situation:** Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package demonstration for	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
1	Nutritional garden	10 units (size 20*10 m.)	A nutritional garden with trailis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level Source: 1-CIWA BBSR 2-IIHR Bangalore 3-AINP on Soil fertility & biodiversity-OUAT 2010	Consumption of vegetables /day Availability of vegetable/ day												10

Extension and Training activities under FLD:

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	Demonstration of nutritional garden for Improving Nutritional Security of farm family	01	F & FW	01	OFF									50
Training	Planning, layout & designing of nutritional gardening	01	F & FW	01	OFF									30

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

Name of the Crop / Enterprise	Variety / Type	Period From 2021 to 2022	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Pooja	Kharif 2021	4.0	Foundation	150	2,80,000/-	4,54,650/-	1,74,650/-
Paddy	Gayatri	Kharif 2021	3.0	Foundation	110	2,10,000/-	3,63,720/-	1,53,720/-
Papaya seedling	Red lady	Rabi 2021	1000 Nos.	Seedling	1000 Nos.	10000/-	25000	15000
Drumstick seedling	Bhagya	Rabi 2021	1000 Nos.	Seedling	1000 Nos.	5000/-	15000	10000
Tomato seedling	Arka Rakshak	Rabi 2021	20000 Nos.	Seedling	20000 Nos.	20000/-	40000	20000
Brinjal seedling	Arka Anand	Rabi 2021	20000 Nos.	Seedling	20000 Nos.	20000/-	40000	20000
Chili seedling	Arka Meghna	Rabi 2021	20000 Nos.	Seedling	20000 Nos.	20000	40000	20000
Cauliflower seedling	Arka Vimal	Rabi 2021	20000 Nos.	Seedling	20000 Nos.	20000	40000	20000
Cabbage seedlings	Konark	Rabi 2021	20000 Nos.	Seedling	20000 Nos.	20000	40000	20000
Poultry day old chicks	Rainbow Rooster	Rabi 2021	3000Nos.	Bird	3000Nos.	1,50,000/-	1,80,000/-	30,000/-
Duckling	Khaki Campbell	Rabi 2021	200Nos.	Bird	200Nos.	10,000/-	12,500/-	2,500/-
Vermi compost	<i>Eusinea foitida</i>	Kharif-2021& Rabi 2021	1.5t	Vermicompost	1.5t	10,000/-	22,500/-	12,500/-
Mushroom spawn	<i>V. volvacea</i> <i>P. sajorcaju</i>	Kharif-2021& Rabi 2021	500	Mushroom spawn	500	7,500/-	10,000/-	2,500/-
Paddy straw mushroom	<i>V. volvacea</i>	Kharif 2021	1 q	Paddy straw mushroom	1 q	8,000/-	10,000/-	2,000/-
Oyster mushroom	<i>P. sajorcaju</i>	Rabi 2021	1 q	Oyster mushroom	2 q	4,000/-	12,000/-	8,000/-

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.)

7. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2020)	Amount proposed to be invested during 2021	Expected Return
3,31,598.81	10,00,000.00	14,00,000.00

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
District Agro-met Unit	ICAR	4.80
ASCI Skill Development Training	ICAR	3.60
NICRA	ICAR	

2. On-farm trials to be conducted*

OFT-1

- i. **Season:** Rabi 2021-22
- ii. **Title of the OFT:** Assessment of herbicides for weed management in Greengram
- iii. **Thematic Area:** Weed Management
- iv. **Problem diagnosed:** Lower yield due to weed dynamics
- v. **Important Cause:** Low yield due to high weed infestation and high cost due to manual weeding
- vi. **Production system:** Rice- Greengram/Black gram
- vii. **Micro farming system:** Rainfed-Lowland
- viii. **Technology for Testing: Herbicides for weed management**
- ix. **Existing Practice:** No weed management/Manual weeding
- x. **Hypothesis:** Spraying of Herbicides like Pendimethalin/ Quizalofop ethyl helps the farmers to reduce weed population below ETL & at the same time helps to increase the yield of Greengram
- xi. **Objective(s):** To evaluate suitable herbicide for weed management in greengram
- xii. **Treatments:**
Farmers Practice (FP): No Weed control measure
Technology option-I (TO-I): Spraying of Pendimethalin as PE
Technology option-II (TO-II): Spraying of Quizalofop ethyl as PoE
Critical Inputs: Herbicides
- xiii. **Unit Size:** 2 ha
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** Rs. 1000/-
- xvi. **Total Cost:** Rs. 7000/-
- xvii. **Monitoring Indicator:** Weed flora composition, Weed control efficiency Effective panicles/m², No of Filled grains /Panicle, 1000 grain weight
- xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on WM, OUAT 2019

OFT-2

- i. **Season:** Kharif 2021
- ii. **Title of the OFT:** Assessment of herbicides for weed management in transplanted rice
- iii. **Thematic Area:** Weed Management
- iv. **Problem diagnosed:** Low yield
- v. **Important Cause:** Low yield due to high weed infestation and high cost due to manual weeding
- vi. **Production system:** Rice- Greengram
- vii. **Micro farming system:** Rainfed-Medium land
- viii. **Technology for Testing:** Introduction of some new herbicides
- ix. **Existing Practice:** Hand weeding at 30 & 50 DAT
- x. **Hypothesis:** Spraying of Herbicides like Bispyribac sodium/Almix 20 WP helps the farmers to reduce weed population below ETL & at the same time helps to increase the yield of Rice
- xi. **Objective(s):** To evaluate suitable Rice herbicides
- xii. **Treatments:**
Farmers Practice (FP): Hand weeding at 30 & 50 DAT

Technology option-I (TO-I): Post emergence application of Cyhalofop butyl+ Penoxulam @ 135g/ha

Technology option-II (TO-II): Application of PE Pendimethalin @ 0.75 kg a.i./ha fb PoE Chlorimuron ethyl + Metasulfuron methyl (i.e. Almix) @ 4.0 g. a.i./ha)

No of Replications: 7

xiii. Unit Cost: Rs. 800/-

xiv. Total Cost: Rs. 5600/-

xv. Monitoring Indicator: Weed flora composition, Weed control efficiency Effective panicles/m², No of Filled grains /Panicle, 1000 grain weight

xvi. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): SLREC Proceeding 2020, OUAT

OFT-3

i. Season: Kharif-2021

ii. Title of the OFT: Assessment of Cowpea varieties suitable for kharif.

iii. Thematic Area: Varietal evaluation

iv. Problem diagnosed: Low income during Rabi season

v. Important Cause: Low income due to market glut during Rabi season

vi. Production system: Vegetable- Vegetable.

vii. Micro farming system: Rainfed-Medium land.

viii. Technology for Testing: Evaluation of suitable cowpea varieties for kharif.

ix. Existing Practice: Cultivation of cowpea in Rabi season

x. Objective(s): To evaluate suitable cowpea variety for kharif.

xi. Treatments:

Farmers Practice (FP): Cultivation of cowpea in Rabi season

Technology option-I (TO-I): Cultivation of cowpea variety-Kashi Kanchan

Technology option-II (TO-II): Cultivation of cowpea variety-Kashi Gauri

xii. Critical Inputs: Seed

xiii. Unit Size: 1.0 ha

xiv. No of Replications: 10

xv. Unit Cost: 400

xvi. Total Cost: 4000

xvii. Monitoring Indicator: Plant height (cm), pod length (cm), No. of pods/plant, yield(kg)/plant, yield(q/ha).

xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): IIHR, Bengaluru and IIVR, Varanasi

OFT-4

- i. Season:** Rabi-2021-22
- ii. Title of the OFT:** Assessment of Chili hybrids tolerant to CMV.
- iii. Thematic Area:** Varietal evaluation
- iv. Problem diagnosed:** Low yield
- v. Important Cause:** Low yield due to high infection of CMV
- vi. Production system:** Vegetable- Vegetable.
- vii. Micro farming system:** Irrigated-Medium land.
- viii. Technology for Testing:** Evaluation of CMV resistant hybrids of Chili.
- ix. Existing Practice:** Use of varieties susceptible to CMV.
- x. Objective(s):** To evaluate suitable CMV resistant hybrids of Chilli.
- xi. Treatments:**
 - Farmers Practice (FP): Use of Chilli variety Selection 01 susceptible to CMV.
 - Technology option-I (TO-I): Use of Chilli hybrid Arka Meghana tolerant to CMV.
 - Technology option-II (TO-II): Use of Chilli hybrid Kashi Ratna tolerant to CMV.
- xii. Critical Inputs:** Seed
- xiii. Unit Size:** 1.0 ha
- xiv. No of Replications:** 10
- xv. Unit Cost:** 800
- xvi. Total Cost:** 8000
- xvii. Monitoring Indicator:** Plant height (cm), No. of branches per plant, Days to 50% flowering, pod length(cm),No. of pods per plant, yield(kg)/plant, Yield(q/ha)
- xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IIHR, Bengaluru and IIVR, Varanasi.

OFT-5

- i. Season:** Kharif 2021
- ii. Title of the OFT:** Assessment of sulphur management in rice
- iii. Thematic Area:** Nutrient management
- iv. Problem diagnosed:** Low yield
- v. Important Cause:** Secondary nutrient sulphur deficiency in soil
- vi. Production system:** Rice-rice, Rice-Greengram
- vii. Micro farming system:** Kharif/Clay loam soil/ Irrigated or Rainfed,
- viii. Technology for Testing:** Application of secondary nutrient sulphur in rice
- ix. Existing Practice:** Use of sulphur free fertilizer
- x. Hypothesis:** Application of sulphur may increase yield, quality and NUE
- xi. Objective(s):** To increase yield
- xii. Treatments:**
- xiii. Farmers Practice (FP):** Use of sulphur free fertilizer
Technology option-I (TO-I): Soil Test Based Recommendation (STBR) NPK
Technology option-II (TO-II): STBR NPK + FYM 5t/ha + Sulphur @ 30 kg/ha
- xiv. No of Replications:** 10
- xv. Unit Cost:** Rs.800/-
- xvi. Total Cost:** Rs. 8000/-
- xvii. Monitoring Indicator:** Initial and after harvest soil test value, Root growth(cm), Plant height, No. of tillers m², No. of filled grain per panicle, 1000 grain weight (g)
- xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Directorate of Research, OUAT, Bhubaneswar, page-22, Odisha, 2016-17

OFT-6

- i. Season:** Rabi, 2021-22
- ii. Title of the OFT:** Assessment of integrated nutrient management in Greengram
- iii. Thematic Area:** Nutrient Management
- iv. Problem diagnosed:** Improper nutrient management
- v. Important Cause:** Low productivity
- vi. Production system:** Rice–Greengram
- vii. Micro farming system:** Rabi/Clay loam soil/ Irrigated
- viii. Technology for Testing:** Application of sulphur and boron for curd size and higher yield in cauliflower
- ix. Existing Practice:** Application of chemical fertilizer)
- x. Hypothesis:** Application of sulphur and boron may increase the curd size , keeping quality and yield
- xi. Objective(s):**To increase curd size, keeping quality and yield
- xii. Treatments:**
 - Farmers Practice (FP): Application of chemical fertilizer (15:40:0 kg N: P₂O₅: K₂O/ha) only
 - Technology option-I (TO-I): STBR (NPK) + FYM @ 5t ha⁻¹ as basal application
 - Technology option-II (TO-II): STBR (NPK) + FYM @ 5t ha⁻¹ + Lime @ 0. 2 LR + Rhizobium seed treatment @20g/kg seed + soil application of PSB @4kg/ha
- No of Replications:** 7
- xiii. Unit Cost:** Rs. 2000/-
- xiv. Total Cost:** Rs. 14000/-
- xv. Monitoring Indicator:** No. of pod/plant, Pod weight (g), No. of seeds /pod, yield (q ha⁻¹) ,soil test value (before sowing and after harvesting)
- xvi. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AINP on soil biodiversity-biofertilizers, OUAT, Bhubaneswar, Odisha , 2017-18

OFT-7

- i. **Season:** Kharif 2021
- ii. **Title of the OFT:** Assessment of management practices against neck blast in rice
- iii. **Thematic Area:** IDM
- iv. **Problem diagnosed:** Suitable chemical control measure is not available
- v. **Important Cause:**
- vi. **Production system:** Rice- Greengram
- vii. **Micro farming system:** Irrigated Mediumland
- viii. **Technology for Testing:**
- ix. **Existing Practice:** Application of Chloro +Cyper @2ml/lit after initiation of pest infestation
- x. **Hypothesis:** application of following management practices may be effectively control the pest incidence.
- xi. **Objective(s):**
- xii. **Treatments:**
 - i. Farmers Practice (FP): Spraying of tricyclazole @ 500gm/ha
 - ii. **TO1-**Seed treatment with either tricyclazole @ 3 gm/kg of seed or carboxin 37.5%+ thiram 37.5% @2.5 gm/kg and foliar spraying of either tricyclazole @ 300gm/ha or spraying of isoprothilane 40% EC @ 750 ml/ha twice at 15 days interval
 - iii. **TO-2** Seed treatment with carboxin 37.5%+ thiram 37.5% @2.5 gm/kg two sprays of Trifloxystrobin 25% + Tebuconazole 50% (Nativo 75 WG) @ 200 g/ha at 15 days interval starting first spray at disease (leaf blast) appearance
- xiii. **Critical Inputs:** Tricyclazole, carboxin 37.5%+ thiram 37.5, tricyclazole, isoprothilane 40% EC, Trifloxystrobin 25% + Tebuconazole 50% (Nativo 75 WG)
- xiv. **Unit Size:** 0.2ha
- xv. **No of Replications:** 13
- xvi. **Unit Cost:** Rs. 700/-
- xvii. **Total Cost:** Rs. 9100/-
- xviii. **Monitoring Indicator:** No of infested leaves /plant
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** RRTTS, Mahisapat RRTTS, Ranital RRTTS, Bhubaneswar

OFT-8

- i. **Season:** Rabi-2021-22
- ii. **Title of the OFT:** Assessment of integrated pest management against serpentine leaf minor in tomato
- iii. **Thematic Area:** IPM
- iv. **Problem diagnosed:** serpentine leaf minor infestation in tomato
- v. **Production system:** Rice-Vegetables
- vi. **Micro farming system:** Irrigated Medium
- vii. **Technology for Testing:**
- viii. **Existing Practice:** Application of Chloro +Cyper @2ml/lit
- ix. **Hypothesis:** application of following management practices may be effectively control the pest incidence.
- x. **Objective(s):**
- xi. **Treatments:**
 - Farmers Practice (FP): Application of Chloro +Cyper @2ml/lit after initiation of pest infestation
 - TO-I:** Removal of alternate host, alternate spraying of Abamectin @1.4ml/lt & Cryomazine 50WP @ 2gm/ltr at 10 days interval
 - TO-II:** Removal of alternate host, growing of seedlings in protected cultivation, alternate spraying of Cartap hydrochloride 50 SP @ 2gm/ ltr of water & Spinosad 45 SC @ 1ml/ 3 ltr of water at 10 days interval

- xii. Critical Inputs:** Abamectin, Cryomazine, Cartap hydrochloride 50 SP, Spinosad 45 SC
- xiii. Unit Size:** 0.2ha
- xiv. No of Replications:** 13
- xv. Unit Cost:** Rs. 450/-
- xvi. Total Cost:** Rs. 5800/-
- xvi. Monitoring Indicator:** No of infested leaves /plant
- Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Annual report Kerala Agriculture Univ., 2015

OFT-9

- i. Season:** Kharif 2021
- 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 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:** high cost of maize based feed
- vi. Production system:** Poultry farming
- vii. Micro farming system:** poultry semi intensive system of rearing
- viii. Technology for Testing:** broken rice as a replacement for maize in poultry feed
- ix. Existing Practice:** provision of commercially available of poultry starter to growing chicks or provision of broken rice, cooked left over rice to chicks
- x. Hypothesis:** chicks fed on of broken rice containing feed will have similar growth rate as compared to chicks fed on commercially available starter feed.
- xi. Objective(s):** 1. To find out growth rate of chicks in growing stage (15-45 days) fed on low cost feed having different levels of broken rice as a substitute ingredient for maize.
- xii. Treatments:**
 - Farmers Practice (FP): feeding of only broken rice during 35 days followed by free range feeding.
 - Technology option-I (TO-I): provisioning of feed with ground maize 35%, GNOC 23%, fish meal 10%, wheat bran 15%, **Broken rice 15%**, Di calcium phosphate 1%, vitamins amino acids 1.6%, salt 0.4%.
 - Technology option-II (TO-II): provisioning of feed with ground maize 30 %, GNOC 23%, fish meal 10%, wheat bran 15%, **Broken rice 20%**, Di calcium phosphate 1%, vitamins amino acids 1.6%, salt 0.4%.
- xiii. Critical Inputs:** 25 number of day old chicks, 850 grams of feed per unit, Vaccine, vitamin and antibiotics as per requirement.
- xiv. Unit Size:** 25 chick/farmer
- xv. No of Replications:** 20
- xvi. Unit Cost:** Rs 1425/-
- xvii. Total Cost:** Rs 28500/-
- xviii. Monitoring Indicator:** body weight at 15 days, 30 days, 45 days, mortality rate. Feed cost/ chick/ 1 st month
- xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR- CIWA 2016

OFT-10

- i. Season:** Rabi 2021-22

- ii. **Title of the OFT:** Assessment of low concentrate mixtures on milk production in dairy cows.
- iii. **Thematic Area:** Livestock Production management
- iv. **Problem diagnosed:** low milk production in cows.
- v. **Important Cause:** unbalanced feeding
- vi. **Production system:** dairy farming
- vii. **Micro farming system:** small scale dairy farming.
- viii. **Technology for Testing:** low cost feed formulation.
- ix. **Existing Practice:** feeding of straw+ wheat bran
- x. **Hypothesis:** feeding of balanced concentrate ration will increase milk production in dairy cows.
- xi. **Objective(s): to find out the effect of including oil cakes and mineral supplement in wheat bran based low cost feed formulations.**
- xii. **Treatments:**
 Farmers Practice (FP): feeding straw + 5-6 kg wheat bran (100%)
 Technology option-I (TO-I): Straw + wheat bran (80%)+ GNOC (17%) + mineral mixture 2.5% + salt 0.5%
 Technology option-II (TO-II): Straw + Wheat Bran (92%) + GNOC (5%)+ mineral mixture 2.5% + salt 0.5%
- xiii. **Critical Inputs:** GNOC, Mineral Mixture.
- xiv. **Unit Size:** 1 cow/house hold
- xv. **No of Replications:** 20
- xvi. **Unit Cost:** Rs 950/-
- xvii. **Total Cost:** Rs 19000/-
- xviii. **Monitoring Indicator:** average daily milk production in kg/day/cow, feed cost/day/animal, body score of cows before and after feeding.
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-IGFRI-2017

OFT-11

- i. **Season:** Kharif 2021
- ii. **Title of the OFT:** Assessment of packaging practices of V.volvacea
- iii. **Thematic Area:** Mushroom Cultivation
- iv. **Problem diagnosed:** Distress sale and low income due to short shelf life
- v. **Important Cause:** To increase keeping quality of mushroom
- vi. **Production system:** Mushroom-Mushroom
- vii. **Micro farming system:** Homestead
- viii. **Technology for Testing:** packaging practices of V.volvacea
- ix. **Existing Practice:** Unwashed fresh fruit bodies in bud stage in polythene bags
- x. **Hypothesis:** Use of citric acid inactivates trace metals which reduce deterioration of colour and flavour and paper Bags package can potentially reduce respiration rate and decay which retain mushrooms fresh appearance up to 48 hrs
- xi. **Objective(s):** Increase shelf life and keeping quality of mushroom
- xii. **Treatments:**
 Farmers Practice (FP): Unwashed fresh fruit bodies in bud stage in polythene bags
 Technology option-I (TO-I): Fresh Mushrooms Buds washed with potassium meta bisulphite (KMS 0.1% and 0.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in perforated polypropylene bags punched with 10 holes stored at room temperature.
 Technology option-II (TO-II): Fresh Mushrooms Buds treated with potassium meta bisulphite (KMS 0.1% and 0.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min

and then packed in paper Bags punched with 10 holes (0.5 cm diameter) stored at room temperature

- xiii. **Critical Inputs:** Chemical preservatives
- xiv. **Unit Size:** 10 kg
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 500/-
- xvii. **Total Cost:** 3500/-
- xviii. **Monitoring Indicator:** Cost of input(Rs), Additional Income (Rs), B:C ratio, sensory evaluation, wt. loss(%), shelf life (Months)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** PAU, 2010

OFT-12

- i. **Season:** Kharif 2021
- ii. **Title of the OFT:** Assessment of humidity/moisture management in paddy straw mushroom
- iii. **Thematic Area:** Mushroom Cultivation
- iv. **Problem diagnosed:** Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature
- v. **Important Cause:** low yield due to low humidity
- vi. **Production system:** mushroom-mushroom
- vii. **Micro farming system:** Homestead
- viii. **Technology for Testing:** Management of humidity/moisture management in paddy straw mushroom
- ix. **Existing Practice:** Cultivation of paddy-straw mushroom with paddy straw substrate (3 layers)
- x. **Hypothesis:** Moist sand and moist gunny bags keeps required moisture and temperature in the surroundings leading to optimization of yield of mushroom when humidity is below 50 %
- xi. **Objective(s):** Increase production of mushroom
- xii. **Treatments:**
Farmers Practice (FP): Cultivation of paddy-straw mushroom with paddy straw substrate (3 layers)
Technology option-I (TO-I): Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition.
Technology option-II (TO-II): Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall
Critical Inputs:
- xiii. **Unit Size:** 10 beds
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** 800/-
- xvi. **Total Cost:** 5600/-
- xvii. **Monitoring Indicator:** Days to first flush, Size of fruit budding, Average fruit body wt. Pin head appearance (Days), Biological efficiency,
- xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT-2014 (KVK- Bargarh)

*Repeat the same format for EACH OFT being proposed.

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	District Agro-met Unit	4,80,000.00
2	ASCI – Skill Development Training	3,60,000.00

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

- Capsicum cultivation– A boon for Farmers.
- Mushroom cultivation-A profitable enterprise for WSHGs.
- Green Manuring –A sustainable method for maintaining soil health.
- Composite Pisciculture- For self-employment.
- Backyard poultry- An income generating activity for landless farm women.

12. Scientific Advisory Committee

Date of SAC meeting held during 2019-20	Proposed date during 2021
10.02.2021	07.12.2021

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	T		
Soil Samples	600											1000
Water Samples	50											50
Other (Please specify)	-											
Total	650											1050

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	Expected fund requirement (Rs.)
Recc. Contingency	11,81,683.00	16,00,000
Travelling Allowance	1,00,000	1,20,000
Library (N.R)	10,000	0.00
HRD	30,000	30,000
SCSP	4,00,000	4,00,000
CFLD (Oilseed)	2,40,000	2,40,000
CFLD (Pulses)	90,000	90,000
Building Maintenance	0.00	6,00,000
N.R (Furniture)	0.00	5,00,000
TOTAL	20,051,683.00	38,20,000.00

* 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