ACTION PLAN 2022

1. Name of the KVK: Sundargarh-1, Kirei, Odisha

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2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar, ODISHA PO- Suryanagar, PIN – 751 003	(+91) 674 2397970/2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868		registrarouat@gmail.com

3.Training programme to be organized (January 2022 to December 2022)

(a) Farmers and farmwomen

Sl no	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
1	Storage loss minimization techniques	Grain pro super bag for safe storage of pulses	1	1	Off	30th Feb									30
2	Location specific drudgery reduction technologies	Use agricultural implements for drudgery reduction of farm women	1	2	Off	15th January									30
3	IGP	Recycling of homestead waste and agri-waste for compostin g	1	2	Off	5th January									30
4	IGA	Production of paddy straw mushroom in threshed straw for income generation	2	2	Off	25-26th June 2021									30
5	IGA	Post harvest	2	1	Off	6th July 2019									30

		management of paddy straw m7ushroom be8d													
6	IGA	Scientific Production of Oyster mushroom for income generation	2	2	Off	1-2 Nov2019									30
7	IGA	Post-harvest management of Oyster mushroom bed	1	1	Off	25th Nov2019									30
8	Household food security by nutritional gardening	Nursery raising of vegetables under low cost tunnel and pro trey	2	2	Off	19-20th June 2022									30
9	Household food security by nutritional gardening	Layouting of Model Nutritional garden	2	2	Off	7th-8th july 2022									30
10	Household food security by nutritional gardening	Nutritional Garden for Nutritional Security of farm families Backyard	2	2	Off	15016th July 2022									30
11	Pisciculture	Pre-stocking management in fish pond,	2		off	25 June									30
12	Pisciculture	Post stocking management in fish pond,	2	1	off	1 July									30
13	Pisciculture	Feed management in ponds for enhancing productivity in fish pond,	2	1	off	19 July									30
14	Pisciculture	Application of CIFAX in ponds	3	2	off	26 Nov.2022									30

15	Pisciculture	Identification of Fish diseases and its management	1	1		May-2022									30
16	Ornamental Fish	Fabrication of Aquarium and ornamenta fish keeping	1	1	Off	1 Oct.2021									30
17	Leadership Management	Formation of of groups for aggregation and marketing of village produce	4	1	OFF	January 25th									120
18	Mobilization of social capital	Formation and management of Farmer Producer organizations	4	2	OFF	February 7th									120
19	Crop Management	Importance of summer ploughing for controlling weed and enrichment of soil	1	1	OFF	February									30
20	Production and use of organic inputs	Preparation of quality compost from agricultural wastes.	1	1	Off	February									30
21	Pisciculture	Identification of Fish diseases and its management	1	1	OFF	May									30
22	IWM	Improved Agronomic package and practices for DSR	1	1	OFF	June									30
23	Nursery management	Techniques of nursery	1	1	OFF	June									30

		raising in rice													
24	Pisciculture	Pre-stocking management in fish pond,	2	1	OFF	June									60
25	Pisciculture	Low cost Backyard Rearing Unit	1	2	OFF	June									30
26	IGA	Production of paddy straw mushroom for income generation	2	2	OFF	June									60
27	Mobilization of social capital	Formation and management of Farmer Producer organizations	4	2	OFF	June									120
28	Formation and Management of SHGs	Management of SHGs	2	2	On	June									60
29	IWM	Integrated weed management in DSR	1	1	OFF	July									30
30	ICM	Improved Agronomic package and practices for ragi cultivation	1	1	OFF	July									30
31	INM	Importance of soil testing and balanced fertilizer application in crops	1	1	OFF	July									30
32	Pisciculture	Post stocking management in fish pond,	2	1	OFF	July									60
33	Pisciculture	Feed management in ponds for enhancing productivit	2	1	OFF	July									60

		y in fish pond,													
34	IGA	Post harvest management of paddy straw mushroom bed	2	1	OFF	July									60
35	Soil and Water Testing	Importance of soil testing and balanced fertilizer application in crops	1	1	Off	July									30
36	Micro nutrient deficiency in crops	Micro and secondary nutrient application in rice	1	1	Off	July									30
37	Management of Problematic soils	Management of acid soil	1	1	Off	July									30
38	INM	Micro and secondary nutrient application in rice	1	1	OFF	July									30
39	INM	INM in Ragi	1	1	Off	July									30
40	ICM	Integrated weed management in transplanted rice	1	1	OFF	August									30
41	Crop diversification	Improved package and practices for arhar cultivation	1	2	OFF	August									30
42	Leadership Management	Formation of of groups for aggregation and marketing of village produce	4	1	OFF	August									120
43	INM	INM in Pulses	1	1	Off	August									30
44	Leadership Management	Formation of of groups for aggregation and	4	1	OFF	Sept									120

		marketing of village produce													
45	ICM	Scientific method of mustard cultivation	1	2	OFF	Oct									30
46	Crop diversification	Management of rice fallow area	1	1	OFF	Oct									30
47	INM	INM in tomato	1	1	Off	October									30
48	INM	INM in cole crops	1	1	Off	October									30
49	Ornamental Fish	Fabrication of Aquarium and ornamental fish keeping	1	1	OFF	Oct									30
50	Marketing Opportunities	Various marketing opportunities & production planning in vegetables	1	2	OFF	Oct									30
51	Nursery management	Raising of seedlings through lowcost polytunnel and protray	2	1	OFF	Oct									60
52	ICM	Seed treatment and its importance	1	1	OFF	Oct									30
53	Nutri garden	Layouting for model Nutri-garden	2	1	OFF	Oct									60
54	Nutri garden	Nutri-garden-Nutritional security of farm families	2	1	OFF	Oct									60
55	IGA for WSHGs	Production technology of Oyster mushroom for Income generation	2	2	OFF	Oct									60
56	IGA for WSHGs	Post harvest management of	2	1	OFF	Nov									60

		Oyster mushroom production													
57	INM	INM in Banana	1	1	Off	Novembe r									30
58	IWM	Weed manageme nt in greengram	2	2	OFF	Nov									60
59	Pisciculture	Applicatio n of CIFAX in ponds	3	2	OFF	Nov									90
60	Poultry rearing	Rearing and brooding of backyard poultry	1	2	OFF	Nov									30
61	Location specific drudgery reduction technologies	Use agricultural implements for drudgery reduction of farm women	2	1	OFF	Dec									60
62	Mobilizatio63n of social capital	Formation and manageme nt of Farmer Producer organizatio ns	4	2	OFF	Dec									120
63	INM	INM in Groundnut	1	1	Off	Decembe r									30
64	INM	INM in Brinjal	1	1	Off	Decembe r									30
65	INM	INM in Maize	1	1	Off	Decembe r									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**
Value Addition	Value addition of Mushroom	1	3	On	Feb-2022									15
Value addition	Value added products from	1	3	on	Feb-2022									15

	Ragi													
Entrepreneurship development	Commercial mushroom production for sustainable enterprise	1	3	On	August 2022									15
Mushroom Production	Mushroom Production for doubling the Farmers income	1	3	On	Nov2022									15
Apiculture	Scientific rearing of Honeybee	1	7	On	20th 26th Feb-2022									15
Enterprise development	Marketing and Management of farm producer group	1	4	ON	Dec-22									20
Vermiculture & Vermicomposting	IGA	1	3	ON	November 22									
Organic input production	Organic farming	1	3	on	Decmber 22									15
Seed production of Rice	Seed production	1	3	on	June 2022									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**
Gender mainstreaming through SHG	Entrepreneurship development among farm women	1	2	On	27-28th February									20
Capacity building for ICT application	Recent advances in ICT used in agriculture													
Integrated weed	Prospect of Annual planning	1	1	On	December									20

management	of weed pest management													
IFS	Integrated farming system for livelihood security	1	1	On	January									20
ICT	Application of new media in extension	1	1	On	November									20
OTHERS (Motivation)	Motivational and communication skills for extension personnel	1	1	On	February									20
INM	Recent advances in fertilizer management in field crops	1	1	On	September									20
INM	Soil related constraints & their amelioration for sustainable crop production	1	1	On	January									20

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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													

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
a) Vegetable Crops													
Integrated nutrient management													
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													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (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													
Others, if any(INM)													
TOTAL													
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													

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
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													
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													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													

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
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
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													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													

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
management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
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													
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													

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 technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL													

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 Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
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													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension													

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
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													
Others if any (ICT application in agriculture)													
TOTAL													

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													
Integrated Pest Management													
Integrated Nutrient management													
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													
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													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL													

Frontline demonstration to be conducted*

FLD No-: 1 **Demonstration on weed management in Blackgram**
Crop: Blackgram
Thrust Area: Low yield due to weed dynamics
Thematic Area: Weed management
Season: Rabi 2021-22
Farming Situation: Rain-fed 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	Blackgram	2.0	Post emergence application of Quizalofop ethyl 5 EC @ 50 ml/ha at 20-25 DAS	Weed flora composition, Weed control efficiency, pod wt/plant, grain weight /plant	Quizalofop ethyl 5 EC											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Date	Venue On/Off	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Importance of weed management in Blackgram for higher production	1	F/FW	2	4thwk of November	Off									30
Field Day	weed management in Blackgram	1	F/FW	1	2ndwk of Nov	2ndwk of Nov									50
Method demonstration	Line showing	1	F/FW	1	1stwk November	Off									25
	Application of herbicides	1	F/FW	1	4thwk of January	Off									25

FLD No-: 2 **Demonstration on Maize variety Kalinga Raj (TSP)**
Crop: Maize
Thrust Area: Varietal Substitution
Thematic Area: Production Technology
Season: Kharif -2022
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	Maize	2.0	Demonstration on Hybrid Maize variety Kalinga Raj with Line sowing and RDF (120:60:60)	No of seeds/cob, Yield(q/ha), Economics	Seed var. Kalinga Raj											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Date	Venue On/Off	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Package & practices for maize cultivation	1	F/FW	2	2ND week of June	Off									30
Field Day	Production of maize	1	F/FW	1	1ST Week of October	2nd wk of Nov									50
Method demonstration	Line showing, INM	1	F/FW	1	2nd week of July	Off									25

FLD No. -3 : **Demonstration of Integrated Nutrient Management In Tomato**
Crop: Tomato
Thrust Area: INM
Thematic Area: INM
Season : Rabi, 2022-23
Farming Situation : Irrigated medium land, Rice -Vegetable

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
	Tomato	0.4 ha (10 Nos)	STBF + Seedling treatment with bio-fertilizer (Azotobacter @ 2% solution), foliar spray of water soluble fertilizers (N:P:K 19:19:19 @ 0.5%) at 30 DAT+ foliar application of micronutrient mixture (Borax 0.2% and ZnSO4 0.5%) at 45 DAT	Fruit weight, No. of fruits per plant, Yield (q/ha), B.C. Ratio												**10**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	INM In tomato	1	FW	1	Off	2nd week October									30
Method Demo	Application of Fertilisers	1	FW	1	Off campus	2nd week October									30
Pamphlet	Bilati baigan phasal re sara parichalana	1				October									500
Field Day	INM in tomato			1	Off campus	Dec 4th week									40

FLD No. -4 : **Demonstration of INM in Brinjal**
Crop: Brinjal
Thrust Area: INM
Thematic Area: INM
Season : Rabi, 2022-23
Farming Situation : Irrigated medium land, Rice -Vegetable

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	De mo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Brinjal	0.4 ha (10 Nos)	Appl i c a t i on of 75% of STBFR Fe r t i l i ze r N + 100% fertilizer P & K + FYM @ 2t/ha + Bioinoculation of Azotobacter 4kg/ ha + Azospirilum 4 kg/ ha with 200kg prelimed FYM (Lime 10kg) incubated for 7 days at 30% moisture & applied in rhizosphere at the time of planting	Fruit weight, No. of fruits per plant, Yield (q/ha), B.C. Ratio												**10**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	INM in Brinjal	1	FW	1	Off	2nd week October									30
Method Demo	Application of Fertilisers	1	FW	1	Off campus	2nd week October									30
Pamphlet	Baigan phasal re sara parichalana	1				October									500
Field Day	INM in Brinjal			1	Off campus	Dec 4th week									40

FLD No. -5 : **Demonstration of Bunch feeding in banana for yield enhancement**
Crop: Banana
Thrust Area: INM
Thematic Area: INM
Season : Rabi, 2022-23
Farming Situation : Irrigated medium land, Rice -Vegetable

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
	Banana	0.8 ha (10 Nos)	Blending 15g (7.5g Urea & 7.5g of sulphate of potash) dissolved in 100ml water in 500g of fresh cow dung & applying the slurry to the de-navelled stalk end soon after fruit set	Bunch weight, Finger size(wt), Pulp: Peel ratio, days to maturity												**10**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Bunch feeding in Banana	1	FW	1	Off	2nd week October									30
Method Demo	Preparation and application of bunch feed	1	FW	1	Off campus	2nd week October									30
Pamphlet	Kadali chasare amala brudhi ra prayog	1				October									500
Field Day	Bunch feeding of banana			1	Off campus	Dec 4th week									40

FLD No. -6 : **Demonstration on potassium and zinc application for management of iron toxicity in rice.**
Crop: Rice
Thrust Area: INM
Thematic Area: INM
Season : Kharif 2022
Farming Situation : Rice -Fallow

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
	Rice	4.0 ha (10 Nos)	Application of 25 kg ZnSO4/ha and top dressing of MOP@30kg/ha after drainage of water.	No. of tillers/hill, No. of affected hills/Sq.mtr, Yield (q/ha), B.C. Ratio												**10**

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	INM	1	FW	1	Off	2nd week June									30
Method Demo	Preparation and application of bunch feed	1	FW	1	Off campus	2nd week Juner									30
Pamphlet	Kadali chasare amala brudhi ra prayog	1				July									500
Field Day	Bunch feeding of banana			1	Off campus	October 4th wk									40

FLD-7 : Demonstration of Floating fish feed in composite fish culture for growth enhancement

Crop: Fish
Thrust Area: fish production
Thematic Area: Integrated fish farming
Season: Round the year-2022
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	5	Feeding of fish with floating fish feed instead of GNOC & Rice bran(1:1)	Yield (t/ha) pH Avg. wt (gm) Average feed consumed(kg/ day)		5										5

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	Pre-and post stocking management in fish pond , Feed management													30
Publication	pamphlet preparation	500	FW											
Field day														

FLD - 8 **Nutritional garden for nutritional security of farm families**
Crop: Vegetables
Thrust Area: Nutritional Security
Thematic Area: Nutritional Security
Season: Round the year 2022
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
1	Vegetables	0.02	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits	Consumption of vegetables /day(Kg) Availability of vegetable/day(Kg, Mean increase in consumption of vegetables and fruits compared to RDA (%) Additional Income(Rs.)	Seedlings(Papaya, drum stick, solanaceous veg, tuber crops), Seeds(Leafy veg), Pro Trey, Vermi tank and Rope	400/ unit	1000/unit									30

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	Nursery raising of vegetables under low cost tunnel and pro-tray	2	F&FW	2	Off									25
	Layout of backyard garden	2	F&FW	1	Off									25
	Scope and importance of a nutritional garden in backyard	2	F&FW	1	Off									
	Preparation of Nutritional garden in Backyard	2	F&FW	1	Off									
	Recycling of homestead waste and agri-waste for composting	2	F&FW	1	Off									25
	Field day on Nutritional garden	1	F&FW	1	Off									40
	Distribution of leaflet and publication of news article / radiotalk/ short video	1	F&FW	1	Off									40

FLD-09 **Production of paddy straw mushroom in threshed straw for income generation**
Crop: Mushroom
Thrust Area: IGA
Thematic Area: Mushroom production
Season: Kharif- 2022
Farming Situation: Homestead/ 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
	Paddy straw Mushroom	10bed/unit	Production of Paddy straw mushroom for Income generation	Pin head appearance(days) Yield(Kg/bed Net Income(Rs), B: C ratio	Spawn, Straw, Pulse powder and polythene	660/unit	300/unit									30

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
Training1	Production of paddy straw mushroom for income generation	2	F&FW	2	Off									30
	Post harvest management of paddy straw mushroom bed	2	F&FW	1	Off									30
Field day	Production of paddy straw	1	F&FW	1	0ff									40

FLD- 10 **Demonstration on different method of pasteurization of straw for controlling of Inkcaps in paddy straw mushroom bed in Kharif**

Crop: Mushroom
Thrust Area: Mushroom Production
Thematic Area: Production Technology
Season: Kharif 2022
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Mushroom	10	Pre Soaking of substrate in 2% Calcium carbonate for 6hrs	Intensity of coperinus% No of Inkcaps /bed, Yeild (Kg/bed)	**Spawn, Calcium carbonate**											

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	Production technology of paddy straw mushroom	1	F/FW	1										
Field day	**Different method of pasteurization of straw for controlling of Inkcaps in paddy straw mushroom bed**	1	F&FW, RY, Line dept.officers											
Booklet	Production technology of paddy straw mushroom	200	F&FW, RY											

FLD No. – 11 : **Demoonstration on oyster mushroom (hyspizygus ulmarius) for income generation**
Crop: Mushroom
Thrust Area: IGA
Thematic Area: Mushroom production
Season: Rabi-2022
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
	Oyster Mushroom	10bed/unit	Production of Oyster mushroom for Income generation	Pin head appearance(days) Yield (Kg/bed Net Income (Rs), B: C ratio	Spawn, Straw, and polythene bag	700/unit	nil									

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
Training1	Production of Oyster mushroom for income generation	2	F&FW	2	Off									
	Post harvest management of Oyster mushroom bed	2	F&FW	1	Off									
Field day & Book disrtibution	Production of Oyster mushroom	1	F&FW	1	0ff									40

FLD-12: **Demonstration of Marigold variety Bidhan Marigold 2**
Crop - Marigold
Thrust Area : **Production Technology**
Thematic Area: : IGA
Season: Rabi-2022
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
1	Marigold	10	Number of flowers per plant (128flowers/plant). The flowers are attractive, orange in colour, compact and found suitable for making garland, Flower dia- 4. Cm, Yield- 140-170 Qt/ha Spacing-60x45c.m, NPK- 90:60:60 Kg/Ha	Plant height, flower size in cm, No of Flowers per plant												

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	Scientific Marigold cultvation	1	F7FW	1	Off									
Demonstration	Method demonstration of Bidhan Marigold-2	10	F&FW	10	off									
Field day	Marigold cultivation	1	F&FW, RY, Line ept.officers	1	off									

FLD-13 **Demonstration on low-cost portable poly tunnel for seedling raising under TSP**

Crop: Vegetables
Thrust Area: **Production Technology**
Thematic Area: IGA
Season: Kharif-2022
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
1		10	(Construction of low cost polytunnel (3X1X1m) length: width: height, supported by GI frames Seed treatment with Bavistin .	Germination percentage Seedling Mortality Percentage												

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	Scientific method of nursery raising under lowcost polytunnel	1	F7FW	1	Off									
Demonstration	Method demonstration on Nursery bed preparation	10	F&FW	10	off									

FLD No – 14 : **Demonstration on rearing of honey bee under TSP**
Crop: Honeybee
Thrust Area: IGA
Thematic Area: Production of Bee-colonies
Season: Rabi 2022
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
	Honeybee	10	Regular and periodic bottom board cleaning, maintaining healthy and populous colony ,regular and periodic dearth feeding, removal of old combs and allowing new comb construction, need-based brood comb alteration and need based colony union or division are recommended for scientific beekeeping with *Apis-cerana indica*.		Bee Hive box, with colony, Smoker, Mask, Honey extractor, brush, and other ne	5000 x										10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Skill training on Bee-Keeping and rearing (TSP)	1	Rural Youth	5days	On	Jan 1st week									25
Method Demo	Installation of honey bee box	10	RY	1	Off	Nov 3rd week									25
Manual	Baigyanaka padhhatire Mahumachhi Chas	1	F&FW, RY			4th wk of October									500
Field Day	Colony division in honey bee boxes	2	F&FW, RY	2	on	Feb1st week 2021									40

FLD – 15 **Demonstration on Production of vermicompost for income generation under TSP**
Crop: Vermicompost
Thrust Area: Organic Farming
Thematic Area: Vermicomposting
Season: Kharif-2022
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
	Vermicompost	10	Demonstration of Vermicomposting, Recommended layer so for organic waste and cow dung in vermi tank(using 4'diacementring. Release of earthworm @50nos/kg of organic waste.	Yield /tank (Kg) Net Income, B.C ratio	Earth-worm RCC Rings											30

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Scientific method of vermicompost production	1	F/FW	5	Off	Sept 1st wk									25
Training	Commercial vermicompost production	1	RY	5	On	Nov 2nd wk									15
Method Demo	Preparation of compost pit, collection of bi-products for decomposition	1	F/FW	5	Off	Sept 1st - 3rdwk									25
Pamphlet	Jia khata chasa	500	F/FW	1		Sept 1st wk									500
Field Day		1				Feb 2nd wk									250

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

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Pratikshya	June to Dec 2022	1.5	FS	45.0			
Mushroom Spawn(Paddy straw)	Volvariella volvaceae	May to Oct 2022			3000 nos			
Mushroom Spawn(Oyster)	H. umarius, P. sajorcaju	Oct to Feb 2022			3000 nos			
Vermiculture	Eisenia foetida	Round the year			50kg			
Vegetable Seedlings	Papaya, Drumstick, Different flowers and seasonal vegetables	Round the year	0.009	Seedlings	1,00,000nos			
Vermicompost		Round the year	0.0134	Compost	100			
Mushroom	Paddy straw/Oyster	Round the year	0.01		1			
Poultry	Kadaknath, Aseel	Round the year	0.020	Brooded chick	2400			

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.)

5. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	M	F	T	M	F	T
1.	Field Day	12										
2.	KisanMela	2										
3.	KisanGhosthi	2										
4.	Exhibition	2										
5.	Film Show	18										
6.	Method Demonstrations	6										
7.	Farmers Seminar	2										
8.	Workshop	2										
9.	Group meetings	15										
10.	Lectures delivered as resource persons	18										
11.	Advisory Services	48										
12.	Scientific visit to farmers field	146										
13.	Farmers visit to KVK	0										
14.	Diagnostic visits	28										
15.	Exposure visits	4										
16.	Ex-trainees Sammelan	4										
17.	Soil health Camp	2										
18.	Animal Health Camp	6										
19.	Agri mobile clinic	6										

20.	Soil test campaigns	2										
21.	Farm Science Club Conveners meet	2										
22.	Self Help Group Conveners meetings	2										
23.	MahilaMandals Conveners meetings	2										
24.	Celebration of important days (specify)	5										
25.	Sankalp Se Siddhi	1										
26.	Swatchta Hi Sewa	12										
27.	MahilaKisanDiwas	1										
28.	Any Other (Specify) Farmer Day (Akshay Tritiya)	1										
	Total	**351**										

6. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2021)	Amount proposed to be invested during 2022-2023	Expected Return
	4.0	6.0

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)
Hi-tech Nursery & Pond based IFS unit at KVK	DMF, Sundargarh	98.20	Development of Hi-tech Nursery & Pond based IFS unit at KVK
OMBADC	Govt. of Odisha	900	Building of Capacity, Experimental Models & Infrastructure (B-CEMI) through OUAT Institutions in the Mineral Bearing Districts of Odisha

8. On-farm trials to be conducted in 2022

OFT No.-1: Assessment of herbicides for weed management in transplanted rice

i.	**Season:**	:	Kharif 2022 (2nd year)
ii.	**Title of the OFT:**	:	Assessment of herbicides for weed management in transplanted rice
iii.	**Thematic Area:**	:	Weed Management
iv.	**Problem diagnosed:**	:	Loss of 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 bellow 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 at 20 DAT
	Technology option-II (TO-II)	:	Application of PE Pendimethalin @ 0.75 kg/ha at (1 -3) DAT fb PoE Chlorimuron ethyl + Metasulfuron methyl (i.e. Almix) @ 4.0 g/ha) at 20 DAT
xiii.	**Critical Inputs:**	:	Cyhalofop butyl+ Penoxulam, Pendimethalin&Almix
xiv.	**Unit Size:**	:	2 ha
xv.	**No of Replications:**	:	07
xvi.	**Unit Cost:**	:	1500/-
xvii.	**Total Cost:**	:	10500/-
xviii.	**Monitoring Indicator:**	:	Weed flora composition, Weed control efficiency Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	SLREC 2020-21, OUAT

OFT No-2: Assessment of different pulse crop (field pea/Gram) in paira cropping system

i.	**Season:**	:	Pre-rabi 2021-22
ii.	**Title of the OFT:**	:	Assessment of different pulse crop (field pea/Gram) in paira cropping system
iii.	**Thematic Area:**	:	ICM
iv.	**Problem diagnosed:**	:	Lack of suitable (pulse crop) for appropriate paira cropping system under
v.	**Important Cause:**	:	Underutilization of Rice-fallow
vi.	**Production system:**	:	Rice -Fallow(Agriculture)
vii.	**Micro farming system:**	:	Rainfed medium land
viii.	**Technology for Testing:**	:	Different pulse crop (field pea/Gram) in paira cropping system
ix.	**Existing Practice:**	:	Rice-fallow
x.	**Hypothesis:**	:	Rice-fallow will be utilized by suitable paira crop with increasing cropping intensity and maintaining soil fertility
xi.	**Objective(s):**	:	• To find out suitable paira crop • To find out appropriate nutrient management for paira crop
xii.	**Treatments:**	:	
	Farmers Practice (FP)	:	Fallow after rice cultivation
	Technology option-I(TO-I)	:	: Broadcast chickpea seed 20-25% higher than recommended(100-125 kg/ ha) before harvesting of rice
	Technology option-II (TO-II)	:	Broadcast Field pea seed 20-25% higher than recommended(100-125 kg/ ha) before harvesting of rice
xiii.	**Critical Inputs:**	:	Phosphatic (P_2O_5) Fertilizer, (Gram and Field Pea) Seed, Need based PP chemicals
xiv.	**Unit Size:**	:	0.2 ha
xv.	**No of Replications:**	:	7
xvi.	**Unit Cost:**	:	Rs.980
xvii.	**Total Cost:**	:	Rs 6,860
xviii.	**Monitoring Indicator:**	:	Plant height(cm), No of branches/plant, No of pods/plant,Testwt(g)
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	SLREC proceeding, RRTTS, Keonjhar 2019-20

OFT No-3 Assessment of nano Nitrogen in transplanted rice

i.	**Season:**	:	Kharif 2022
ii.	**Title of the OFT:**	:	Assessment of nano Nitrogen in transplanted rice
iii.	**Thematic Area:**	:	INM
iv.	**Problem diagnosed:**	:	Low efficiency of Urea in transplanted paddy
v.	**Important Cause:**	:	Due to increased soil acidity through continuous urea application, and loss of applied urea through leaching and volatilization.
vi.	**Production system:**	:	Rice- Greengram
vii.	**Micro farming system:**	:	Rainfed-Medium land
viii.	**Technology for Testing:**	:	Nano urea spaying in Transplanted paddy
ix.	**Existing Practice:**	:	Soil application of prilled urea at the time of Transplanting, tillering and PI stages
x.	**Hypothesis:**	:	Foliar Application of Nano urea will have better absorption by the plant thereby the yield.
xi.	**Objective(s):**	:	To increase the efficiency of urea through foliar application.
xii.	**Treatments:**	:	
	Farmers Practice (FP)	:	Application of N:P: K(80:40:40) kg/ha
	Technology option-I(TO-I)	:	Spraying of nano-N(40000ppm) @1250ml/ha at tillering and PI stage + no soil application of N+ 100%P_2O_5 and K_2O(STD)
	Technology option-II (TO-II)	:	Spraying of nano-N(40000ppm) @1250ml/ha at tillering and PI stage+ soil application of 50% N through Urea + 100%P_2O_5 and K_2O(STD)
xiii.	**Critical Inputs:**	:	Nano Nitrogen (40000ppm)
xiv.	**Unit Size:**	:	2 ha
xv.	**No of Replications:**	:	7
xvi.	**Unit Cost:**	:	1000
xvii.	**Total Cost:**	:	7000
xviii.	**Monitoring Indicator:**	:	No. of EBT/hill, grain yield, B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	Annual Report (IFFCO Project) 2020-21, Department of Soil Science and Agriculture Chemistry, OUAT

OFT No-4 Assessment of PSB and VAM in Groundnut

i.	**Season:**	:	Rabi 2022-23
ii.	**Title of the OFT:**	:	Assessment of PSB and VAM on Groundnut
iii.	**Thematic Area:**	:	INM
iv.	**Problem diagnosed:**	:	Low yield of groundnut due to poor nutrient management and water stress.
v.	**Important Cause:**	:	Low phosphorous availability due to fixation in acid soil
vi.	**Production system:**	:	Rice- Groundnut
vii.	**Micro farming system:**	:	Irrigated-Medium land
viii.	**Technology for Testing:**	:	Assessment of biofertilizers in Groundnut
ix.	**Existing Practice:**	:	Application of N-P_2O_5-K_2O @ 20-40-20 kg/ha
x.	**Hypothesis:**	:	PSB helps in better solubilization of fixed phosphorous and VAM helps in better nutrient and water availability.
xi.	**Objective(s):**	:	To increase the yield of Groundnut through INM
xii.	**Treatments:**	:	
	Farmers Practice (FP)	:	Application of N-P_2O_5-K_2O @ 20-40-20 kg/ha
	Technology option-I(TO-I)	:	STBF + 0.2 LR Lime + Rhizobium @ 50gm/kg of seed +PSB @ 5kg/ha
	Technology option-II (TO-II)	:	STBF + 0.2 LR Lime + Rhizobium @ 50gm/kg of seed +PSB @ 5kg/ha + VAM @5kg/ha
xiii.	**Critical Inputs:**	:	PSB, VAM, Rhizobium, Lime
xiv.	**Unit Size:**	:	2 ha
xv.	**No of Replications:**	:	7
xvi.	**Unit Cost:**	:	2000
xvii.	**Total Cost:**	:	14000
xviii.	**Monitoring Indicator:**	:	No. of nodules / plant, No. of pods / plant, Pod yield, B:C Ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	AINP on Soil Biodiversity and Biofertilizers, 2010

OFT No 5.-: Assessment of different trellies in pointed gourd for higher production

i.	**Season:**	:	Kharif 2022
ii.	**Title of the OFT:**	:	Assessment of different trellies in bitter gourd for higher production
iii.	**Thematic Area:**	:	
iv.	**Problem diagnosed:**	:	High incidence of fruit rot due to ground trellies
v.	**Important Cause:**	:	Fruit loss due to fruit rot
vi.	**Production system:**	:	Vegetable-Vegetable
vii.	**Micro farming system:**	:	Irrigated, Medium land
viii.	**Technology for Testing:**	:	
ix.	**Existing Practice:**	:	Ground cultivation of cucurbits
x.	**Hypothesis:**	:	TO1- Minimize pest, disease and drudgery TO2- Lean type trellies covered significantly higher fruit yield, low pest population and disease due to ease in manual irrigation, fertilizer and pest monitoring and weeding as compare to single trellies.
xi.	**Objective(s):**	:	To get the good quality fruits for market fetching
xii.	**Treatments:**	:	
	Farmers Practice (FP)	:	Ground Trelling
	Technology option-I(TO-I)	:	Single trellie, one row constructed with bamboo poles and GI wires, jute rop
	Technology option-II (TO-II)	:	Lean to type trellies-stake are joined between two adjoining bed forming an A shaped structure. horizontal stakes are installed at the top joining of all other beds. The stakes support the climbing vines. Strings are used to secure adjoining stakes, trellies height 2m
xiii.	**Critical Inputs:**	:	
xiv.	**Unit Size:**	:	1 ha
xv.	**No of Replications:**	:	07
xvi.	**Unit Cost:**	:	
xvii.	**Total Cost:**	:	
xviii.	**Monitoring Indicator:**	:	Length of fruit(cm), Wt of Fruit(gm) and incidence of Fruit rot(%), Tield(q/ha), B: C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	CHESS, Bhubaneswar

OFT 6.- **Assessment of production of paddy straw mushroom in semi composted substrate**

i.	**Season:**	:	Kharif 2022
ii.	**Title of the OFT:**	:	Assessment of production of paddy straw mushroom in semi composted substrate
iii.	**Thematic Area:**	:	Production technology
iv.	**Problem diagnosed:**	:	Less production from existing method
v.	**Important Cause:**	:	
vi.	**Production system:**	:	Backyard with a special unit
vii.	**Micro farming system:**	:	Irrigated, Homestead
viii.	**Technology for Testing:**	:	
ix.	**Existing Practice:**	:	
x.	**Hypothesis:**	:	Biological efficiency is 30%
xi.	**Objective(s):**	:	To increase the BE of Volvariella volvaceae
xii.	**Treatments:**	:	
	Farmers Practice (FP)	:	Traditional method of mushroom cultivation by using unthreshed paddy straw
	Technology option-I(TO-I)	:	Paddy straw + wheat bran@ 6% + Chicken manure @1.2% + CaCO3 @2% (Paddy straw will chopped into 2-3 inches. The cut pieces will spread in a thin layer and keep wet for 24 hours by sprinkling water to maintain 70 to 80 % moisture in the wet straw. All the ingredients will mixed with the wet straw except calcium carbonate and form a heap and cover by a thin polythene sheet. A turning will be given on the second day and the heap will restored. The second turning will be given on the 3rd or 4th day, calcium carbonate will mixed thoroughly and heap was restored again. Compost will ready on the 6th day to prepare bed)
	Technology option-II (TO-II)	:	Paddy straw/ cotton waste + rice bran@5% (dry wt. basis)+ CaCO3 @1%
xiii.	**Critical Inputs:**	:	Straw, CaCO3, Wheat bran, Cotton Waste, Rice bran
xiv.	**Unit Size:**	:	30x15sqft
xv.	**No of Replications:**	:	03
xvi.	**Unit Cost:**	:	10,000/-
xvii.	**Total Cost:**	:	30,000/-
xviii.	**Monitoring Indicator:**	:	Pin head appearance(days),No of fruits/Sqft, Fruit weight(Gm), Yield and economics
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	DMR, ICAR, Solan, 2007

OFT No. 7: Refinement of different planting time for better market price of Tomato

i.	**Season:**	:	Pre- Rabi-2022-23
ii.	**Title of the OFT:**	:	Assessment of different planting time for better market price of Tomato
iii.	**Thematic Area:**	:	Agri marketing
iv.	**Problem diagnosed:**	:	Distress sale in tomato
v.	**Important Cause:**	:	Market glut due to influx of majority of produce from farmers sown during last part of kharif
vi.	**Production system:**	:	Rainfed
vii.	**Micro farming system:**	:	Rice -vegetable
viii.	**Technology for Testing:**	:	Suitable time of planting of tomato
ix.	**Existing Practice:**	:	Farmers generally plant the seedling in the month of October
x.	**Hypothesis:**	:	Moving the date of time of sowing forward and after, will be able to address the market glut
Xi	**Objective(s):**	:	To find a suitable date of sowing help in selling the produce in better price
xii.	**Treatments:**	:	
xiii.	Farmers Practice (FP)	:	Planting of tomato in 1st week of October
xiv.	Technology option-I (TO-I)	:	30 Days earlier than normal planting time (1st fortnight of September)
xv.	Technology option-II (TO-II)	:	30 Days after the normal planting time (December 1stwk)
xvi.	**Critical Inputs:**	:	Seed
xvii.	**Unit Size:**	:	0.2
xviii.	**No of Replications:**	:	07
xx.	**Unit Cost:**	:	180
xi.	**Total Cost:**	:	1260
xii.	**Monitoring Indicator:**	:	Plant height, -No. of fruits/plant, Fruit weight, Disease & pest incidence, Market price
xiii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	:	

*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	ATMA	2,88,000
2.	Mission Shakti	5,00,000
3.	PKVY	3,30,300
4.	ASCI Skill india	3,60,000

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

a. SMI in Mustard.
b. Small unit vermicomposting by tribals.
c. Mushroom cultivation.

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
29/12/2021	December 2022

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	200										30	1700
Water Samples	10										10	
Other (Please specify)												
Total	**210**										**40**	**1700**

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2020	Expected fund requirement (Rs.)
Salary	39,00,000	55,00,000
TA	70,000	1,25,000
Cont(K.V.K)	1,00,000	2,00,000
TSP	10,73,000	18,00,000
Non Recurring (Vehicle+ Repair and Renovation)	4,19,000	20,00,000
Building	-	1,50,00,000
Total		**24,625,000**

* Any additional requirement may be suitably justified.

Sd/-
Senior Scientist & Head
KVK, Sundargarh-1