REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK:

Address	Telephone		E mail
Krishi Vigyan Kendra, Koraput Post Box No-10, Sunabeda, Dist.- Koraput (Odisha), Pin-763002	-		kvkkoraput.ouat@gmail.com

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture & Technology, Bhubaneswar-751003, Odisha, India	0674-2397970/2397818/ 2397719		registrarouat@gmail.com

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

(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
Horticulture	Nursery raising techniques for kharif season vegetables	1	1	On	22.04.2022	05	-	10	10	03	02	18	12	**30**
Horticulture	Improved production & management practices in ginger & turmeric	1	1	On	04.05.2022	03	02	12	8	05	0	20	10	30
Horticulture	Production technology of cauliflower during rainy season	1	1	Off	08.06.2022	04	02	13	06	04	01	21	09	30
Horticulture	Production technology of late *Kharif* onion var.	1	1	Off	08.08.2022	03	03	08	08	06	02	17	13	30

	Bhima Super													
Horticulture	Improved production technology for leafy vegetables	1	1	Off	06.09.2022	05	02	09	07	04	03	18	12	30
Horticulture	Recent technologies in high value horticultural crops for productivity enhancement.	1	1	On	18.10.2022	02	04	06	10	05	03	13	17	30
Horticulture	Relay cropping in high value horticultural crops	1	1	On	25.10.2022	03	05	07	09	04	02	14	16	30
Horticulture	Nursery raising technique of cucurbitaceous vegetables in polybags	1	1	Off	16.11.2022	07	05	06	09	03	00	16	14	30
Horticulture	Production technology of tropical tuber crops	1	1	On	13.12.2022	02	05	08	05	06	04	16	14	30
Horticulture	Foliar application of water-soluble nutrients in onion & garlic	1	1	Off	06.01.2023	03	05	12	08	02	00	17	13	30
Horticulture	Vegetable based cropping system for irrigated conditions	1	1	Off	14.02.2023	03	04	08	07	06	02	17	13	30
Horticulture	Role of AMC in solanaceous vegetable crops	1	1	Off	06.03.2023	02	04	09	07	05	03	16	14	30

Crop Production	Integrated Crop management in medium land paddy	1	1	Off	21.04.2022	05	04	08	09	03	01	16	14	30
Crop Production	Improved cultivation practice of Scented Rice in medium land situation	1	2	On	10.05.2022	03	01	11	09	04	02	18	12	30
Crop Production	Improved cultivation practice of Hybrid Maize in rainfed upland	1	2	On	06.06. 2022	01	01	08	14	05	01	14	16	30
Crop Production	Agronomic measures for soil and water conservation	1	1	Off	18.07.2022	02	02	11	08	06	01	20	10	30
Crop Production	Role of mechanization in Ragi threshing	1	1	Off	23.08.2022	03	01	07	12	04	03	14	16	30
Crop Production	Use of biofertiliser in pulse	1	1	Off	15.09.2022	02	04	11	09	06	00	19	11	30
Crop Production	Waste recycling in Integrated Farming System	1	1	Off	19.10.2022	02	05	08	09	04	02	14	16	30
Crop Production	Integrated nutrient management in Black Gram	1	1	Off	16.11.2022	04	06	08	07	02	03	14	16	30
Crop Production	Integrated weed management in field crops	1	1	Off	14.12.2022	01	02	12	11	05	00	18	12	30
Crop Production	Role of water-soluble fertilizer in pulse production	1	2	On	17.01.2023	02	04	09	11	02	02	13	17	30

Crop Production	Organic cultivation practices in Scented Rice	1	1	Off	21.02.2023	01	03	08	08	06	04	15	15	30
Crop Production	Integrated weed management in Groundnut under irrigated medium land situation	1	1	Off	15.03.2023	02	03	10	08	04	03	16	14	30
Agroforestry	Nursery establishment of agroforestry trees for income generation	1	2	On	08.06. 2022	00	00	16	13	01	00	17	13	30
Agroforestry	Integrated commercial farming through Horti-agroforestry crops	1	1	Off	13.07. 2022	02	04	10	11	03	00	15	15	30
Agroforestry	Cultivation of medicinal trees (Aonla and Harida) for higher income	1	2	On	03.08.2022	01	02	12	13	02	00	15	15	30
Agroforestry	Plantation and management of Eucalyptus	1	1	Off	07.09.2022	02	01	14	08	02	03	18	12	30
Agroforestry	Importance and cultivation aspects of green manuring trees (Glaricidia) in Koraput district.	1	2	On	28.09.2022	02	04	12	08	02	02	16	14	30
Agroforestry	Cultivation of medicinal and aromatic plants under Agroforestry system	1	1	Off	12.10.2022	01	02	10	08	06	03	17	13	30
Agroforestry	Agroforestry practices for	1	2	On	15.11.2022	00	00	12	18	00	00	12	18	30

	soil conservation													
Agroforestry	Multipurpose trees: role and importance	1	1	Off	06.12.2022	02	01	12	10	02	03	16	14	30
Agroforestry	Tree crop combination for planting on farmers field	1	2	On	12.01.2023	01	03	09	12	05	00	15	15	30
Agroforestry	Contour hedgerow agroforestry practices	1	1	Off	18.02.2023	00	00	12	17	01	00	13	17	30
Agroforestry	Soil health improvement through agroforestry intervention	1	2	On	20.02.2023	01	03	11	09	05	01	17	13	30
Agroforestry	Eucalyptus based agro forestry systems for improving the productivity of arable lands	1	1	Off	10.03.2023	05	03	07	05	06	04	18	12	30
Agroforestry	Income generation through back yard poultry rearing	1	1	Off	Aug 2022	02	03	09	12	03	01	14	16	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**
Horticulture	High income generation through Integrated Farming system	1	3	On	22.08.2022 to 24.08.2022	00	00	08	04	03	00	11	04	15

Horticulture	Organic production of high value spices crops (Ginger & Turmeric)	1	3	On	07.01.2023 to 09.01.2023	02	02	08	03	00	00	10	05	15
Crop Production	Seed production in Field crops (Paddy, Ragi, Niger and Groundnut)	1	3	On	16.06.2022 to 18.06.2022	01	01	10	02	01	00	12	03	15
Crop Production	Vermicomposting by using different substrates	1	3	On	19.09.2022 to 21.09.2022	02	01	07	02	03	00	12	03	15
Crop Production	Value addition in millets	1	3	On		01	02	09	03	00	00	10	05	15
Agroforestry	Forest nursery Preparation for production of quality planting material.	1	3	On	15.07.2022 to 17.07.2022	00	00	10	03	02	00	12	03	15
Agroforestry	Bee Keeping as a sustainable enterprise	1	3	On	19.09.2022	01	00	13	00	01	00	15	00	15
Agroforestry	Cultivation of Bamboo for higher income	1	3	On	07.01.2023	01	02	07	02	03	00	11	04	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**
Horticulture	Recent technologies for green	01	02	On	16.08.2022	02	01	06	02	03	01	11	04	15

	house cultivation of high value vegetable crops													
Horticulture	Post-harvest management of vegetable and spices	01	02	On	03.12.2022	02	04	03	02	03	01	10	05	15
Crop Production	Soil conservation practices	1	2	On	16.08.2022	01	02	02	02	06	02	09	06	15
Crop Production	INM in field crops (Paddy, Maize, Millets, Pigeon pea, Ground nut)	1	2	On	Feb, 2023	01	03	04	02	04	01	09	06	15
Agroforestry	Potential of medicinal & aromatic plants under integrated land use system.	1	2	On	29.08.2022	03	02	04	02	03	01	10	05	15
Agroforestry	Suitable agroforestry model for EGHL zone of Odisha	1	2	On	29.12.2022	02	01	04	01	04	03	10	05	15

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													

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
Weed Management	2	12	15	27	15	17	32	01	00	01	28	32	60
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming	1	01	03	04	11	09	20	05	01	06	17	13	30
Water management													
Seed production													
Nursery management													
Integrated Crop Management	2	10	10	20	18	22	40	00	00	00	28	32	60
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	5	23	28	51	44	48	92	6	1	7	73	77	150
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1	02	02	04	10	08	18	05	03	08	17	13	30
Off-season vegetables	1	04	02	06	10	06	16	04	04	08	18	12	30
Nursery raising	2	18	02	20	14	26	40	00	00	00	32	28	60
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	2	8	16	24	12	16	28	06	02	08	26	34	60
TOTAL	6	32	22	54	46	56	102	15	9	24	93	87	180
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													

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
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology	1	02	04	06	08	11	19	03	02	05	13	17	30
Processing and value addition													
Others, if any													
TOTAL	1	02	04	06	08	11	19	03	02	05	13	17	30
e) Tuber crops													
Production and Management technology	1	03	03	06	10	11	21	03	00	03	16	14	30
Processing and value addition													
Others, if any													
TOTAL	1	03	03	06	10	11	21	03	00	03	16	14	30
f) Spices													
Production and Management technology	2	05	08	13	18	21	39	04	04	08	27	33	60
Processing and value addition													
Others, if any	1	02	04	06	08	11	19	03	02	05	13	17	30
TOTAL	3	07	12	19	26	32	58	07	06	13	40	50	90
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	1	03	03	06	10	11	21	03	00	03	16	14	30
Soil and Water Conservation	1	02	04	06	08	11	19	03	02	05	13	17	30
Integrated Nutrient Management	1	02	04	06	08	11	19	03	02	05	13	17	30
Production and use of organic inputs	2	8	16	24	12	16	28	06	02	08	26	34	60
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	5	15	27	42	38	49	87	15	6	21	68	82	150
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													

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
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													
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	1	03	03	06	10	11	21	03	00	03	16	14	30
TOTAL	1	03	03	06	10	11	21	03	00	03	16	14	30
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated fish farming													
Carp breeding and hatchery 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													
Production technologies	9	45	30	75	52	81	133	32	30	62	129	141	270

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
Nursery management	1	03	03	06	10	11	21	03	00	03	16	14	30
Integrated Farming Systems	2	8	16	24	12	16	28	06	02	08	26	34	60
TOTAL	12	56	49	105	74	108	182	41	32	73	171	189	360
XII. Others (Pl. Specify)	2	8	16	24	12	16	28	06	02	08	26	34	30
TOTAL	**36**	**149**	**164**	**313**	**268**	**342**	**610**	**99**	**58**	**157**	**516**	**564**	**1050**

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	1	01	00	01	13	00	13	01	00	01	15	00	15
Integrated farming	1	02	01	03	08	03	11	01	00	01	11	04	15
Seed production	1	02	02	04	08	02	10	00	01	01	10	05	15
Production of organic inputs	2	03	04	07	10	03	13	08	02	10	21	09	30
Planting material production	1	03	00	03	09	00	09	03	00	00	15	00	15
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	03	01	04	08	02	10	01	00	01	12	03	15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn													

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
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	1	02	07	09	02	03	05	01	00	01	11	04	15
Others if any (ICT application in agriculture)													
TOTAL	**8**	**16**	**15**	**31**	**58**	**13**	**71**	**15**	**3**	**15**	**95**	**25**	**120**

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	1	02	01	03	04	02	06	04	02	06	10	05	15
Rejuvenation of old orchards													
Value addition	1	02	00	02	02	03	05	05	03	08	09	06	15
Protected cultivation technology	1	02	01	03	03	02	05	05	02	07	10	05	15
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	3	05	02	07	18	13	31	06	01	07	29	16	45
TOTAL	6	11	4	15	27	20	47	20	8	28	58	32	90

4. Frontline demonstration to be conducted*

Crop: Chilli
Thrust Area: Horticulture
Thematic Area: Nutrient management
Season: Kharif 2022
Farming Situation: Vegetable- 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**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1	Chilli	1	Demonstration of AMC for yield enhancement in chili (Arka Microbial Consortium-A carrier based	No of fruits/plant Length of fruit (cm) Yield (q/ha) Economics	AMC (IIHR, Bangalore)			2	0	6	0	2	0	10	0	10

			microbial product containing N fixing, P and Zn solubilising and plant growth promoting microbes. For the main field application of one acre of land, five kg of AMC can be mixed with 500kg of FYM and applied near the root zone of standing crop)													

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	Role of AMC in productivity enhancement in vegetable crops	1	F/FW	1	OFC	07	03	08	12	00	00	15	15	30
Training	Field Day	1	F/FW	1	OFC	00	00	24	26	00	00	24	26	50

Crop: Ginger
Thrust Area: Horticulture
Thematic Area: Horticulture
Season: Kharif 2022
Farming Situation: Vegetable- 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Ginger	1	Demonstration on efficiency of social media in dissemination of technologies to ginger cultivation	No of fruits/ plant Length of fruit	AMC			2	0	6	0	2	0	10	0	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	Role of AMC in productivity enhancement in vegetable crops	1	F/FW	1	OFC	07	03	08	12	00	00	15	15	30
Training	Field Day	1	F/FW	1	OFC	00	00	24	26	00	00	24	26	50

2. Frontline demonstration to be conducted*

Crop: Rice
Thrust Area: Crop production
Thematic Area: Varietal Evaluation
Season: Kharif 2022
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Paddy	1	Paddy variety-Kalinga Dhan-1203(ORJ - 1135) Avg grain yield-54.2kg/ha, Duration-135days,plant ht-111cm,Moderately Resistant to (Seath Rot, BPH, Stem borer and Leaf folder)	**Yield,** **No of Grains/panicle,** **No of effective tillers/m2**	Seed			2	0	6	0	2	0	10	0	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	Integrated crop management in medium land paddy	1	F/FW	2	On	04	02	12	08	04	00	20	10	30
Training	Field Day	1	F/FW	1	OFC	10	04	19	11	05	01	33	17	50

Crop: Maize
Thrust Area: Crop production
Thematic Area: Varietal Evaluation
Season: Kharif 2022
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	1	Maize variety-Kalinga Raj-(OMH 14-27) Avg cob yield-79.5 q/ha, Duration-92 days, Moderately Resistant to (MLB, TLB,Charcoal rot and Bacterial stock rot)	Plant ht. (cm) No of cobs/plant No of seeds/cob Length of cob(cm) Yield (q/ha) Economics	Seed			2	0	6	0	2	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants		

					On/Off	SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved cultivation practices of Hybrid Maize	1	F/FW	2	ONC	6	2	10	8	02	02	18	12	30
Training	Field Day	1	F/FW	1	OFC	05	03	15	9	10	8	30	20	50

Crop: Ragi
Thrust Area: Crop production
Thematic Area: Farm Mechanization
Season: Kharif 2022
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi	1	Demonstration on Power operated Ragi thresher (ESA OUAT developed)(Out put-80kg/hr,threshing efficiency 93-95%)	Threshing Efficiency Cleaning Efficiency Breakage Labour saving Capacity	Power operated thresher			2	0	6	0	2	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of	No.	Clientele	Duration	Venue	No. of		

	Activity				On/Off	Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Role of mechanization in Ragi threshing	1	F/FW	2	ONC	3	4	10	8	03	02	16	14	30
Training	Field Day	1	F/FW	1	OFC	10	10	12	18	00	00	22	28	50

Crop: Black Gram
Thrust Area: Crop Production
Thematic Area: Farm Mechanization
Season: Rabi 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	Black Gram	1	Demonstration on Water soluble fertiliser in Black Gram(Application of 75% STBF + Foliar application of WSF (18:18:18) @ 2% at 25 and 40 DAS)	Plant Height (cm) Pods /plant, seeds/pod 1000 grain wt.	Water soluble fertilizer			2	0	6	0	2	0	10	0	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	Role of water-soluble fertilizer in pulse production	1	F/FW	2	ONC	03	02	12	06	04	03	19	11	30
Training	Field Day	1	F/FW	1	OFC	08	04	12	16	05	05	25	25	50

Crop: Mango + Pineapple

Thrust Area: Agroforestry
Thematic Area: Agroforestry
Season: Kharif, 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Mango + Pineapple	1	Pineapple (30 x 60 cm) grown as intercrop in mango orchard, which is	Plant Height (cm) Fruit weight (g)	Suckers		-	02	00	7	01	00	00	9	01	10

			grown well under partial shade of trees	Yield (q/ha) Economics												

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	Integrated commercial farming through Horti-ahroforestry crops	1	F/FW	2	On	4	3	10	11	02	00	16	14	30
Training	Suitable agroforestry model for EGHLZ of Odisha	1	IS	2	On	02	01	04	01	05	02	11	04	15
Filed Day		1	F/FW	1	Off	05	09	18	12	03	03	26	24	50

Crop: Broom grass
Thrust Area: Agroforestry
Thematic Area: Agroforestry
Season: Kharif, 2022
Farming Situation: Rainfed hilly area

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.	Broom Grass	1	Hilly areas planting in contour lines or on the bunds of terraces at a spacing of 6 x 6 ft is good and about 2500 to 4000 plants are required for one hectare area.	Number of culms per tussock, Height of tussock, Inflorescence length, Economics	Root slip	6500	-	0	0	07	03	00	00	07	03	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	Agroforestry practices for Soil conservation	1	F/FW	2	On	00	00	18	12	00	00	18	12	30
Training	Contour hedgerow agroforestry	1	F/FW	1	Off	06	02	10	12	00	00	16	14	30

	practices													
Training	Soil health improvement through agroforestry intervention	1	F/FW	1	On	03	01	08	10	06	02	17	13	30
Field Day		1	F/FW	1	Off	08	12	09	13	06	02	23	27	50

Crop: Backyard poultry
Thrust Area: Agroforestry
Thematic Area: Agroforestry
Season: Round the year
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	Poultry	10	Rearing of 3 weeks old kalinga Brown chicks with routine vaccination resulting quicker body weight gain and more eggs than desi bird.	Average body weight (Kg), Economics	Poultry chicks	-		02	01	05	02	00	00	07	03	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
Filed Day		1	F/FW	1	Off	08	03	12	18	04	05	24	26	50

Crop: Bamboo
Thrust Area: Agroforestry
Thematic Area: Agroforestry
Season: Kharif, 2022
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Bamboo	1	Raising of *Dendrocalamus strictus*	No of Culms/ clump, culm diameter and internodal length, Economics	Seedling	-	-	02	01	04	02	01	00	07	03	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	Forest nursery Preparation for production of quality planting material.	1	RY	3	On	04	00	08	00	03	00	15	00	15
Training	Nursery establishment	1	F/FW	1	On	02	04	12	06	02	04	16	14	30

	of agroforestry trees for income generation													
Training	Cultivation of Bamboo for higher income	1	RY	3	On	02	00	06	02	05	00	13	02	15
Filed day		1	F/FW	1	Off	04	06	12	18	04	06	20	30	50

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

3. 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.)**
Ragi	Arjuna(BS)	1st wk June.2022to 1st wk oct.2022	0.35ha	FS	3qtl	6000	12500	6500
Niger	Utkal Niger 150(BS)	2nd wk Aug 2022 to 2nd wk dec 2022	0.2ha	FS	0.8	2200	5600	3400
Bambo Seedling	Bamboo (B. vulgaris)	June to January	0.05 ha	Seedling	1000 Nos	3000	6000	3000
Turmeric	Roma	June to March	0.1 ha	Certified seed	9 qtl	15000	22500	7500
Turmeric	Roma (BS)	June to March	0.05 ha	Certified seed	4 qtl	7000	12500	5500
Onion	Bhima	December to	0.05 ha	Seedling	30000 No	1500	2500	1000

	Shakti	February						
Tomato	ArkaRakhyak	December to February	0.05 ha	Seedling	9500 No	16000	32000	16000
Mushroom	Oyster	December to February	200 No bed	Mushroom	2quintal	10000	16000	6000
Poultry	Kalinga Brown	April to March	20 No	Meat	20 No	1500	4000	2500
Turmeric powder	Roma	April to March	0.1 ha	Powder	40 kg	2000	7000	5000
Vermicompost and warm	E euginea	April to March	5 units	vermicompost	20 qtl and 10 kg	2000	7000	5000

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.)**

4. Extension Activities

Sl. No.	**Activities/ Sub-activities**	**No. of activities proposed**	**Farmers**				**Extension Officials**			**Total**		
			M	**F**	**T**	**SC/ ST (% of total)**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**
1.	Field Day	12										600
2.	Kisan Mela	2										200

3.	Kisan Ghosthi	2										50
4.	Exhibition	5										500
5.	Film Show	12										600
6.	Method Demonstrations	12										360
7.	Farmers Seminar	1										20
8.	Workshop	0										0
9.	Group meetings	12										240
10.	Lectures delivered as resource persons	20										500
11.	Advisory Services (KMA)	48										13750
12.	Scientific visit to farmers field	120										1000
13.	Farmers visit to KVK	9000										9000
14.	Diagnostic visits	35										4000
15.	Exposure visits	3										60
16.	Ex-trainees Sammelan	1										50
17.	Soil health Camp	2										100
18.	Animal Health Camp	2										60
19.	Agri mobile clinic	0										0
20.	Soil test campaigns	2										100
21.	Farm Science Club Conveners meet	1										30
22.	Farmers Producer Organization meet	03										150
23.	Self Help Group Conveners meetings	2										40
24.	Mahila Mandals Conveners meetings	1										120
25.	Celebration of important days (specify)	10										250
26.	Sankalp Se Siddhi	0										0
27.	Swatchta Hi Sewa	15										200
28.	Mahila Kisan Diwas	1										50
29.	Any Other (Specify)	0										0
	Total	**9320**										**31870**

5. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2021)	Amount proposed to be invested during 2022-2023	Expected Return
0	2,00,000/-	3,00,000/-

6. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)
-	-	-	-
-	-	-	-
-	-	-	-

7. On-farm trials to be conducted*

i. Season: *Kharif*, 2022
ii. Title of the OFT: Assessment on organic and inorganic for controlling rhizome rot in ginger.
iii. Thematic Area: Horticulture
iv. Problem diagnosed: low yield of ginger due to high incidence of rhizome rot
v. Important Cause: Growing of ginger in the same field years together without any crop rotation
vi. Production system: Ginger-fallow
vii. Micro farming system: Kharif**,** Rainfed upland
viii. Technology for Testing: Assessment
ix. Existing Practice: Seed treatment with T. viridae @ 500g/ 5 q. of rhizome, Nimastra @ 1 litre/25 l of water.
x. Hypothesis: The technological option-I is most economically viable option which will enhance productivity of ginger
xi. Objective(s): To obtain targeted yield by deteriorating rhizome rot incidence
xii. Treatments:
Farmers Practice (FP): Seed treatment with T. viridae @ 500g/ 5 q. of rhizome, Nimastra @ 1 litre/25 l of water.
Technology option-I (TO-I): Seed rhizome treatment with Mancozeb 0.3 % for 30 minutes + soil drenching with Mancozeb + Metalaxyl @ 0.2 %
Technology option-II (TO-II): Seed treatment with *Trichoderma harzianum* along with neem cake @ 1 kg/bed
xiii. Critical Inputs:
xiv. Unit Size: 600 m2
xv. No of Replications: 7
xvi. Unit Cost: 1500
xvii. Total Cost: 10500
xviii. Monitoring Indicator: % of disease incidence (PDI), no. of tiller/plant, yields (q/ha)
xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): ICAR-IISR, Calicut

Repeat the same format for EACH OFT being proposed.

i. **Season:** *Kharif*, 2022
ii. **Title of the OFT:** Assessment on biofortified sweet potato varieties for nutritional security
iii. **Thematic Area:** Horticulture
iv. **Problem diagnosed:** Malnutrition among the tribal farmers
v. **Important Cause:** Malnutrition leading to poor health which affects working efficiency
vi. **Production system:** Vegetable-Vegetable
vii. **Micro farming system:** Kharif, Irrigated upland
viii. **Technology for Testing:** Assessment
ix. **Existing Practice:** Local variety without any biofortification
x. **Hypothesis: Good health condition through the biofortified sweet potato varieties with low glycemic index.**
xi. **Objective(s):** alleviating malnutrition through biofortified sweet potato varieties
xii. **Treatments:**

Farmers Practice (FP): Local variety without any biofortification

Technology option-I (TO-I): Bhu Sona (High β–carotene (14.0 mg/100gm) content as compared to 2 – 3mg/100gm β–carotene in popular varieties, tuber yield 19.8 t/ha, dry matter : 27 - 29%, starch : 20%, total sugar : 2 - 2.4 %)

Technology option-II (TO-II): Bhu Krishna (High anthocyanin (90mg/100gm) , tuber yield - 18 t/ha, dry matter - 24.5 – 25.5%, starch - 19.5%, total sugar : 1.9 – 2.2% and salinity stress tolerant)

xiii. Critical Inputs:
xiv. Unit Size: 600 m2
xv. No of Replications: 7
xvi. Unit Cost: 1500
xvii. Total Cost: 10500
xviii. Monitoring Indicator: Tuber yield (t/ha), colour of the flesh, length of the tuber (cm), circumference of the tuber
xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):

Repeat the same format for EACH OFT being proposed

i. **Season**: Kharif 2022
ii. **Title of the OFT:** Assessment of Aromatic Rice varieties
iii. **Thematic Area:** Crop Production
iv. **Problem diagnosed:** Low income and low yield due to existing variety Kala Jeera
v. **Important Cause**: Low yield due to use of old variety
vi. **Production system**: Rice-fallow
vii. **Micro farming system**: Kharif, Rainfed medium land
viii. **Technology for Testing:** Assessment
ix. **Existing Practice**: Growing of Scented Rice var. Kala Jeera
x. **Hypothesis:** New scented Rice variety will give higher yield as compare to farmers old variety.
xi. **Objective(s):**To get higher return from new scented Rice variety
xii. **Treatments:**

Farmers Practice (FP): Local var. Kala Jeera (145-150 days)

Technology option-I (TO-I) **: *Aromatic Rice var. Nua Kalajeera:*** It is a late maturing (145 days) tall (140 cm) photosensitive variety. It has short bold black husked scented grains with average productivity of 3.0 t/ha. It exerts resistance against rice tungro virus; moderate resistant to leaf blast and sheath rot. (Source-NRRI-2008)

Technology option-II (TO-II): ***Aromatic Rice var. Nua Dusara***:
It is a late maturing (145 days) tall (142cm) and photosensitive popular variety, It has short bold grains with average productivity of 3.0 t/ha. It is resistant against sheath rot, neck blast and RTV; moderately resistant against gall midge. (Source-NRRI-2008)

xiii. Critical Inputs: Seeds
xiv. Unit Size:1430 m2
xv. No of Replications: 7
xvi. Unit Cost: 1000
xvii. Total Cost: 7000
xviii. Monitoring Indicator: Yield, No of Grains/panicle, Aroma, Cooking quality

xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): Source-NRRI-2008

Repeat the same format for EACH OFT being proposed.

i. Season: Rabi, 2022
ii. Title of the OFT: Assessment of different sweetcorn varieties
iii. Thematic Area: Crop production
iv. Problem diagnosed: Low yield due to existing variety Misthi
v. Important Cause: Low yield due to old variety
vi. Production system: Rice-Maize
vii. Micro farming system: Rabi, Irrigated upland
viii. Technology for Testing: Assessment
ix. Existing Practice: Growing of sweet corn variety Misthi
x. Hypothesis: New sweet corn variety will give higher yield as compare to farmers old variety.
xi. Objective(s): To find out yield performance of different varieties
xii. Treatments:

Farmers Practice (FP): Misthi (Nuziveedu seed)days to harvest 75-80 days
Technology option-I (TO-I): *Sweet corn variety- VL Sweet corn 1(FSCH18)*
Technology option-II (TO-II): *Pusa sweetcorn 1*

Xi. Critical Inputs: seeds
xii. Unit Size: 40 m^2

xiii. No of Replications: 7
xiv. Unit Cost: 1000
xv. Total Cost: 7000
xvi. Monitoring Indicator: Avg.Cob wt, cob length, No.of cobs/plant, cob yield, green fodder yield, economics
xvii Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):

To1- VPKAS, Almora,2016
To2- IARI, NEW DELHI,2019

Repeat the same format for EACH OFT being proposed.

i. **Season:** Kharif, 2022
ii. **Title of the OFT:** Assessment on performance of Eucalyptus clones
iii. **Thematic Area:** Agroforestry
iv. **Problem diagnosed:** Poor and delayed growth due to growing of local seedling
v. **Important Cause:** lack of knowledge of seedling and use local seedling
vi. **Production system:** Millets-Fallow
vii. **Micro farming system:** Kharif, Rainfed upland
viii. **Technology for Testing:** Assessment
ix. **Existing Practice:** Local Seedling of Plantation
x. **Hypothesis:** Clones gives higher yield as compare to local seedling
xi. **Objective(s):** To get higher yield by planning suitable clone
xii. **Treatments:**
Farmers Practice (FP): Local Eucalyptus Seeding
Technology option-I (TO-I): Clone-413 (survival of plant is 90%, adapted to low-to intermediate rainfall environments with a dry season of up to 8 months. Fast growing clones always had bigger crown diameter, higher height of fresh branch, straighter stems and relatively smaller branches. Resistant to pests and diseases)
Technology option-II (TO-II): FRI- 100 (Clone can withstand some water stress. Silvicultural properties including straightness, narrow crown, self-pruning, high growth rates, adaptability to a wide range of soils and climates, coppicing ability, a tendency not to spread as a weed and wide utility of wood).
xiii. **Critical Inputs:** Clone of Eucalyptus
xiv. **Unit Size: 600 m^2**
xv. **No of Replications: 7**
xvi. **Unit Cost: 1500**
xvii. **Total Cost: 10500**
xviii. **Monitoring Indicator:** Plant Height (M), Diameter (cm), Volume, Yield
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IFGTB, Coimbatore and FRI, Dehradhun.

i. **Season: Kharif, 2022**
ii. **Title of the OFT: Assessment of growth performance of Thornless Bamboo**
iii. **Thematic Area:** Agroforestry
iv. **Problem diagnosed:** Conventional bamboo species *Bambusa bambus* management is difficult in large scales cultivation due to thorny and grows in thicket
v. **Important Cause:** Lack of Knowledge of bamboo species
vi. **Production system:** Plantation (Wasteland)
vii. **Micro farming system:** Kharif, Rainfed upland
viii. **Technology for Testing:** Assessment
ix. **Existing Practice:** Growing Hollow and thorny Bamboo *Bambusa bambus*
x. **Hypothesis:** Improved species of bamboo gives good result
xi. **Objective(s):** To increase the yield and doubling the Farmers income
xii. **Treatments:**
Farmers Practice (FP): Growing Hollow and thorny Bamboo (*Bambusa bambus*)

Technology option-I (TO-I): *Bambusa balcooa* (The dull-green culms of this species are 12–23 m tall, with 18–25 cm circumference. It grows well with temperature ranging from 22-28°C. (Planted at a spacing of 6 x 6 m)

Technology option-II (TO-II): *Bambusa vulgaris* (The dull-green culms of this species are 12–25 m tall, with 18–25 cm circumference, has a diameter of 5-8 cm. This species grows best with annual rainfall ranging from 1500 to 3800 mm and with temperature ranging from 22-28°C. (Planted at a spacing of 6 x 6 m)

xiii. **Critical Inputs:** Bamboo Seedling, Fertilizer, Insecticide

xiv. **Unit Size: 600 m^2**

xv. **No of Replications: 7**

xvi. **Unit Cost: 800**

xvii. **Total Cost: 5600**

xviii. **Monitoring Indicator:** Height, Diameter, Number of Culms, Internodal Length

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** PAU, Ludhiana and FCRI, TNAU, Mettupalayam

*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.)
-	NA	-

11. No. of success stories proposed to be developed with their tentative titles : 02

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
17.02.2021 & 18.01.2022	13.12.2022

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	500	100	100	100	100	50	50	250	250	500	6	500
Water Samples												
Other (Please specify)												
Total	500	100	100	100	100	50	50	250	250	500	6	500

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2021	Expected fund requirement (Rs.) during 2022-23
Pay & Allowance	**6581666**	**6600000**
Contingency	**989486**	**1000000**
Traveling Exp	**14192**	**150000**
Library	**10000**	**10000**
Vehicle	**-**	**600000 (tractor)**
Administrative Building	**-**	**500000 (Repair)**
Repair & Renovation	**-**	**200000**
Equipment & Furniture	**-**	**400000**
Total	**7595344**	**9460000**

* 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