REVISED PROFORMA FOR ACTION PLAN 2021

1. Name of the KVK: KVK, Sundargarh-II

Address	Telephone		E mail
Krishi Vigyan Kendra, Sundargarh-II, At. Hockey Chawk, P.O. Panposh, Rourkela - 769004	0661-2664050	0661-2664050	kvksundergarh2.ouat@gmail.com, rourkelakvk@gmail.com

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology (OUAT), Bhubaneswar- 751003	0674-2397970/ 2397818	0674-2397868	registrarouat@gmail.com

3.Training programme to be organized (Dec 2021)

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration (Day)	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Nursery management	Nursery management in rice	1	1	OFF	June	2	1	9	4	6	3	17	8	25
WM	Weed management and herbicides application in Groundnut.	1	1	OFF	June	3	4	8	5	4	1	15	10	25
ICP	Integrated nutrient management in ragi	1	1	OFF	June	1	3	5	8	6	2	12	13	25
WM	Weed management in transplanted rice	1	1	OFF	July	8	5	6	4	2	0	16	9	25

ICP	Nutrient management in maize based intercropping	1	1	OFF	July	1	3	9	4	5	3	15	10	25
ICP	Sowing and nutrient management in medium duration redgram	1	1	OFF	July	6	3	3	1	10	2	19	6	25
ICP	Improved cultivation practices of sweet corn	1	1	OFF	Aug	7	1	9	3	2	3	18	7	25
Others	Techniques for use of biofertilizers	1	1	OFF	Aug	4	6	5	6	4	0	13	12	25
Others	Use of waste decomposer for crop production	1	1	OFF	Sept	5	6	1	8	4	1	10	15	25
ICP	Nutrient management in groundnut	1	1	OFF	Sept	2	1	11	2	6	3	19	6	25
Cropping sys.	Sowing and management of pulses in rice-fallow	1	1	OFF	Oct	6	3	8	5	3	0	17	8	25
ICP	Integrated nutrient management in mustard	1	1	OFF	Oct	0	2	9	12	2	0	11	14	25
ICP	Improved cultivation practices of summer groundnut	1	1	OFF	Nov	4	1	10	5	4	1	18	7	25
Others	Green manuring; its importance and cultivation practices	1	1	OFF	Dec	2	5	8	6	4	0	14	11	25
IDM	Training on Bacterial Leaf Blight management in paddy.	1	1	Off	June	-	-	12	3	8	2	20	5	25
IDM	Training on Integrated management of YMV in Blackgram.	1	1	Off	July	-	-	11	5	7	2	18	7	25
Others	Training programme on Disease and Pest management in Indian bee	1	1	Off	July	-	-	9	3	10	3	19	6	25
IPM	Training on Leaf curl management in Tomato	1	1	Off	August	-	-	12	3	8	2	20	5	25
IDM	Training on different IDM practices in solanaceous crop	1	1	Off	August	-	-	25	-	-	-	25	-	25
IPM	Integrated Management of DBM in Canbbage	1	1	Off	Sept	-	-	15	-	10	-	25	-	25
IDM	Training on Anthracnose disease management in chilly	1	1	Off	Sept	-	-	15	3	7	-	22	3	25

Others	Training on management of Blossom End rot in Tomato	1	1	Off	Oct	-	-	12	3	10	-	22	3	25
IPM	Training on Integrated Pest Management in Marigold	1	1	Off	Nov	-	-	18	-	7	-	18	7	25
Layout & Management of Orchards	Planning ,layout & Establishment of Guava Orchard	1	1	OFF	May 2021									25
INM	Nutrient Management in Cucurbits	1	1	OFF	June 2021									25
Off season Vegetables	Off season Vegetable Cultivation	1	1	OFF	July 2021									25
Skill development	Lay out, installation of Trellis system in Cucurbits	1	1	OFF	July 2021									25
IWM	Weed management in Solanaceous Vegetable	1	1	OFF	Aug 2021									25
INM	Nutrient management in Sweet Potato	1	1	OFF	Aug 2021									25
ICM	Improved cultivation technique of Papaya	1	1	OFF	Aug 2021									25
Protected Cultivation	Protected cultivation technique of Capsicum	1	1	OFF	Sept 2021									25
ICM	Improved cultivation technique of Banana	1	1	OFF	Sept 2021									25
Exotic Vegetable	Cultivation technique of Exotic vegetables like Broccoli, Lettuce	1	1	OFF	Sept 2021									25
Enterprise development	Suitable tomato varieties for processing industries & crop management	1	1	OFF	October 2021									25
ICM	Improved cultivation technique of Marigold	1	1	OFF	Oct0ber 2021									25

Organic Vegetables	Production of Organic vegetables	1	1	OFF	November 2021									25
Yield Increment	Physiological disorders of cole crops and their management	1	1	OFF	Dec 2021									25
	Crop planning in Nutritional garden	1	1	OFF	June 2021								25	25
	Cultivation practice of paddy straw mushroom by using threshed straw as substrate	1	1	OFF	June 2021								25	25
	Training on Vermicomposting	1	1	OFF	July 2021								25	25
	Preparation of Organic inputs from Kitchen Waste	1	1	OFF	July 2021								25	25
	Training on Nursery raising	1	1	OFF	August 2021								25	25
	Disease & Pest management in Mushroom	1	1	OFF	August 2021								25	25
	Brooding management of Chicks	1	1	OFF	September 2021								25	25
	Training on preparation of Value added products from millets	1	1	OFF	September 2021								25	25
	Rearing of backyard poultry	1	1	OFF	October 2021								25	25
	Cultivation practice of oyster mushroom	1	1	OFF	October 2021								25	25
	Use of Drudgery reducing implements for farm women	1	1	OFF	November 2021								25	25
	Training on preparation of Value added products from seasonal fruits	1	1	OFF	December 2021								25	25
Seed production	Seed treatment in rice.	1	1	OFF	June	5	4	12	4	0	0	17	8	25
Seed production	Seed production of rice.	1	1	OFF	June	0	0	10	11	4	0	14	11	25

Seed production	Seed treatment in maize.	1	1	OFF	July	0	0	12	7	6	0	7	18	25
Seed production	Safe storage of rice seed.	1	1	OFF	October	5	4	0	15	1	0	6	19	25
Seed production	Quality seed testing in rice.	1	1	OFF	November	5	2	11	3	4	0	20	5	25
Seed production	Quality seed testing in pulses.	1	1	OFF	December	0	0	20	5	0	0	20	5	25

(b) Rural youths

Thematic area	**Title of Training**	**No.**	**Duration (**DAYS**)**	**Venue On/Off**	**Tentative Month**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
CP	Preparation and use of enriched compost	1	2	OFF	Oct	1	0	7	4	2	1	10	5	15
CP	Seed production of green manuring crops	1	2	OFF	Dec	3	2	4	1	3	2	10	5	15
Pruning & Training	Pruning & Training of Fruit Orchard	1	2	O FF	September	3	0	8	0	4	0	15	0	15
Nursery Raising	Nursery Raising Technique of Vegetables	1	2	OFF	August	4	0	7	0	4	0	15	0	15
IPM	Safe use of Pesticides	1	Two days	Off	Dec	-	-	8	2	3	2	11	4	15

Bee keeping	Bee Keeping for income generation	1	Three days	Off	Dec	-	-	4	2	3	1	7	3	10
Women in Agriculture	Preparation of Value added products from Mahua	1	Two days	Off	June	0	0	0	15	0	0	0	15	15
	Cmmercial Mushroom Farming	1	Two days	Off	Septemer	0	0	0	5	0	0	10	0	15

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration (Days)	Venue On/Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
CP	New generation herbicides for major field crops of the district	1	2	OFF	Nov	3	0	1	2	7	2	11	4	10
IPM	Training on Use of Novel Pesticides in Agriculture	1	One Day	Off	Dec	-	-	7	3	3	2	10	5	15
Income Generation	Agroentreprises for SHGs	1	Two Day	Off	Dec				6		9			15
Rejuvenation of old Orchards	Methods of crop regulation in different fruit crops	1	Two day	OFF	December									15

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	6	1	7	11	9	20	14	9	23	31	19	50
Resource Conservation Technologies													
Cropping Systems	1	3	0	3	6	3	9	8	5	13	17	8	25
Crop Diversification													
Integrated Farming													
Water management													
Seed production	6	15	0	15	15	10	25	65	45	110	95	55	150
Nursery management	1	6	3	9	2	1	3	9	4	13	17	8	25
Integrated Crop Management	7	35	14	49	23	14	37	54	35	89	112	63	175
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	3	12	1	13	11	17	28	14	20	34	37	38	75
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	2	16	8	24	0	0	0	15	11	26	31	19	50
Water management													
Enterprise development													
Skill development	1	12	5	17	0	0	0	4	4	8	16	9	25
Yield increment													
Production of low volume and high value crops	1	0	0	0	0	0	0	16	9	25	16	9	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Off-season vegetables	1	18	2	20	0	0	0	5	0	5	23	2	25
Nursery raising	1	3	0	3	6	3	9	8	5	13	17	8	25
Exotic vegetables like Broccoli	1	0	0	0	0	0	0	18	7	25	18	7	25
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	8	4	12	0	0	0	10	3	13	18	7	25
Others, if any (Cultivation of Vegetable)	2	0	0	0	1	1	2	34	14	48	35	15	50
TOTAL	**10**	**57**	**19**	**76**	**7**	**4**	**11**	**117**	**46**	**163**	**181**	**69**	**250**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	4	2	6	2	0	2	10	7	17	16	9	25
Cultivation of Fruit	2	26	8	34	0	0	0	10	6	16	36	14	50
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	**3**	**30**	**10**	**40**	**2**	**0**	**2**	**20**	**13**	**33**	**52**	**23**	**75**
c) Ornamental Plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any (cultivation of Marigold)	1	0	0	0	0	0	0	11	14	25	11	14	25
TOTAL	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**11**	**14**	**25**	**11**	**14**	**25**
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
empowerment													
Household food security by kitchen gardening and nutrition gardening	3	0	6	6	0	0	0	0	69	69	0	75	75
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	3	0	5	5	0	0	0	0	70	70	0	75	75
Value addition													
Income generation activities for empowerment of rural Women	2	0	0	0	0	0	0	0	50	50	0	50	50
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building	2	0	0	0	0	0	0	0	50	50	0	50	50
Women and child care													
Others, if any													
TOTAL	**10**	**0**	**11**	**11**	**0**	**0**	**0**	**0**	**239**	**239**	**0**	**250**	**250**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of 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	3	25	2	27	-	-	-	45	3	48	70	5	75
Integrated Disease Management	4	22	4	26	-	-	-	63	11	74	85	15	100
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	2	20	3	23	-	-	-	21	6	27	41	9	50
TOTAL													
VIII. Fisheries													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development	1	12	13	0	0	0	0	0	0	0	12	13	25
Group dynamics													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any	1	0	0	0	0	0	0	14	11	25	14	11	25
TOTAL	**2**	**12**	**13**	**25**	**0**	**0**	**0**	**14**	**11**	**25**	**26**	**24**	**50**
XI Agro-forestry													
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		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	0	0	0	0	0	0	8	7	15	8	7	15
Bee-keeping	1	2	1	3	-	-	-	5	2	7	7	3	10
Integrated farming													
Seed production	1	3	2	5	3	2	5	4	1	5	11	4	15
Production of organic inputs	1	2	1	3	1	0	1	7	4	11	10	5	15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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	1	12	0	12	0	0	0	3	0	3	15	0	15
Training and pruning of orchards	1	0	0	0	0	0	0	15	0	15	15	0	15
Value addition	1	0	0	0	0	0	0	0	15	15	0	15	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 culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	2	3	2	5	0	0	0	19	6	25	22	8	30
Others if any (Safe use of pesticides)	1	3	2	5	0	0	0	8	2	10	11	4	15
TOTAL													

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	7	2	9	3	0	3	1	2	3	11	4	15
Integrated Pest Management	1	3	2	5	-	-	-	7	3	10	10	5	15
Integrated Nutrient management													
Rejuvenation of old orchards	1	8	0	8	0	1	1	2	4	6	10	5	15
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													

Information networking among farmers	1	8	2	10	0	0	0	1	4	5	9	6	15
Capacity building for ICT application	1	11	2	13	0	0	0	0	2	2	11	4	15
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1	7	0	7	3	1	4	0	4	4	10	5	15
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													

4. Frontline demonstration to be conducted*

FLD 1	Demonstration of INM in ragi
Crop	Ragi
Thrust Area	Yield enhancemet
Thematic Area	INM
Season	Kharif 2021
Farming Situation	Rainfed upland

FLD 2	Demonstration of BPH tolerant rice variety Hasanta
Crop	Rice
Thrust Area	To increase yield by replacing BPH susceptible varieties
Thematic Area	Varietal substitution
Season	Kharif 2021
Farming Situation	Rainfed low land

FLD 3	Demonstration of chickpea in rice fallow
Crop	Chickpea
Thrust Area	To increase productvity
Thematic Area	Cropping system
Season	Rabi 2021-22
Farming Situation	Rainfed medium land

FLD 4	Demonstration of INM in mustard
Crop	Mustard
Thrust Area	Yield enhancement
Thematic Area	INM
Season	Rabi 2021-22
Farming Situation	Irrigated medium land

FLD 5	**Demonstration on IDM of BLB in rice**
Crop	Paddy
Thrust Area	Integrated Disease Management
Thematic Area	Integrated Disease Management
Season	Kharif 2021

Farming Situation	Rainfed Medium land

FLD 6	**Demonstration on Integrated management of mites in marigold**
Crop	Merigold
Thrust Area	Integrated Pest Management
Thematic Area	Integrated Pest Management
Season	Rabi 2021-2022
Farming Situation	Irrigated Upland

FLD 7	**Demonstration on IDM of anthracnose disease in chilli**
Crop	Chilli
Thrust Area	Integrated Disease Management
Thematic Area	Integrated DiseaseManagement
Season	Rabi 2021-2022
Farming Situation	Irrigated Upland

FLD 8	Demonstration on Leaf curl management in Tomato
Crop	Tomato
Thrust Area	Integrated Disease Management
Thematic Area	Integrated Disease Management
Season	Rabi 2021-2022
Farming Situation	Irrigated Upland

FLD 9	Demonstration of Nutrient Management in Bottlegourd
Crop	Bottlegourd
Thrust Area	Yield Enhancement
Thematic Area	Integrated Nutrient Management
Season	Kharif 2021
Farming Situation	Rainfed upland

FLD 10	Application of NAA for control of Fruit drop in Mango
Crop	Mango
Thrust Area	Crop loss due to Physiological disorder
Thematic Area	Quality Production
Season	Rabi 2021-22
Farming Situation	Irrigated upland

FLD 11	Demonstration of Bunch feeding in Banana
Crop	Banana
Thrust Area	Yield Enhancement
Thematic Area	Nutrient Management
Season	Rabi-2021-22
Farming Situation	Irrigated upland

FLD 12	Demonstration of Papaya variety Arka Surya
Crop	Papaya
Thrust Area	Evaluation of suitable varieties in Farm condition
Thematic Area	Varietal Evaluation
Season	Kharif 2021
Farming Situation	Irrigated upland

FLD 13	Demonstration on Preparation of Vermicompost by Utilising used mushroom substrate
Crop	Mushroom
Thrust Area	Recycling of byproducts farm byproducts and agrowastes
Thematic Area	Income generation
Season	Kharif
Farming Situation	Homestead

FLD 14	Demonstration on Artificial brooding management in Poultry chicks
Crop	Poultry
Thrust Area	Capacity builldig of farm women
Thematic Area	Livestock production

Season	Rabi
Farming Situation	Homestead

FLD 15	Demonstration on value addition of mahua
Crop	Ragi
Thrust Area	Income generation of farm women by Preparation of Value added Products from forest produce
Thematic Area	Value addition
Season	Rabi
Farming Situation	Homestead

FLD 16	Demaonstration on rearing of backyard poultry backyard Condition
Livestock	Poultry breed
Thrust Area	Economic empowerment of women through alternate income generating activities
Thematic Area	Nutritional security and Income Generation
Season	Kharif
Farming Situation	Homestead

FLD 17	Demonstration of Nutritional gardening
Crop	Vegetables
Thrust Area	Promote nutritional garden in backyard for nutritional security of Farm families
Thematic Area	Nutritional Security
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.	Ragi	1 ha/ 10	Seed inoculation with Azospirillum. Application of lime @ 0.25LR (applied 15 days before sowing) along with 50%N-P_2O_5-K_2O (30-20-20 kg/ha)	No. of effective tillers/hill, No. of fingers/effective tiller, Yield (q/ha)	Biofertilizer, Lime, Chemical fertilizers	2500	1000	1	0	7	2	0	0	8	2	10
2.	Rice	1 ha/10	Demonstration of Rice Var. Hasanta of 145 days duration, Avg. yield:5-5.5t/ha, Tolerant to BPH,WBPH, Blast ,leaf folder. Seed rate 25-30 kg/ha, Line transplanting, seed treatment with vitavax @ 2g/Kg of seed, Soil test based fertilizer application	BPH count/m^2, Effective panicles/m^2, No. of Filled grains /Panicle, 1000 grain weight, Yield (q/ha)	Rice Var. Hasanta	2000	700	0	0	8	2	0	0	8	2	10
3.	Chickpea	1 ha/10	Minimum tillage, hydropriming for 3-4 hrs, line sowing at a spacing of 30cm X 10 cm, Seed rate @ 75 Kg/ha Foliar spray of Urea 2% at 20-30 days interval after sowing (Three times)	No. of pods/plant, Yield (q/ha)	Chickpea seed, Urea	6000	4000	3	1	5	1	0	0	8	2	10
4.	Mustard	1 ha/10	Seed inoculation with Azotobactor & PSB along with 50-25-25	No. of siliqua/plant, No. of	Azotobactor, PSB, Fertilizer	3500	1000	0	0	7	3	0	0	7	3	10

			kg N-P_2O_5-K_2O kg/ha, Application of 25 kg $ZnSo_4$ and 1 kg B per hectare	seeds/siliqua, Yield (q/ha)	s, $ZnSo_4$, Boron											
5.	Paddy	2 Ha	**Demonstration on IDM of BLB in rice** Bacterial leaf blight / streak: Spray with Plantomycin @ 1g/liter of water using 200 liters of water per acre or Streptocycline (150 mg) + Copper oxychloride 1g/litre of water twice at an interval of 8 days.	Infected leaves/sq,mt, % infestation, Yield(qt/ha), BC ratio	Fungicides and Antibiotics	@2000 /Ha	@!500/Ha	-	-	3	-	7	-	10	-	10
6.	Merigold	1 Ha	**Demonstration on Integrated management of mites in marigold** **Foliar spraying of Propargite 57 % EC@2ml/lt at weekly interval**	% infestation, Yield(qt/ha), BC ratio	Miticides	@1500 /Ha	@1000/Ha	-	-	2	1	5	2	7	3	10
7.	Chilli	1 Ha	**Demonstration on IDM of anthracnose disease in chilli** Seed treatment with (Carboxin 37.5% + Thiram 37.5%) @ 0.2% followed by	No of infected fruits /plant % infestation, Yield(qt/ha), BC ratio	Fungicides	@6000 /Ha	@5000/Ha	-	-	4	1	3	2	7	3	10

			three sprayings with Difenoconazole @ 0.1% at 10days interval from initial disease appearance at 10 days interval													
8.	Tomato	1 Ha	Demonstration on Leafcurl management in Tomato Foliar spraying of Thiamethoxam 25WG @0.4gm/lt followed by Diafenthiuron 50SP @1.2gm/lt followed by Acetamiprid 20SP @ 0.4gm/lt at weekly interval were affective against whitefly nymph & adult	Infected leaves/sq,mt, % infestation, Yield(qt/ha), BC ratio	Insecticides	@8000 /Ha	@5000/ha	-	-	3	1	5	1	8	2	10
9.	Bottle gourd	1 Ha	Application of FYM 20 Tons/Ha,NPK 120:60:90 kg/Ha. N to be applied in 2 split doses. Apply Azospirillium, Phosphobacter @2kg/Ha,Pseudomonas 2.5 kg/Ha along with FYM 50 kg and Neem cake @1oo kg/Ha before last ploughing	Yield Qt/Ha Fruit weight Size of the Fruit Number of Fruits per plant	NPK based Chemical Fertilizers Biofertilizers Neem cake	12000	8000				10					10
10.	Mango	1 Ha	Application of NAA 20 ppm at Pea stage and at marble stage to manage Fruit drop. Application of Boron @ 2g/litre at marble stage.Irrigation of the	Number of Fruits per plant Fruit drop percentage	PGR NAA Boron (Powder form)	6000	1500				10					10

			Tree to be done but avoid water logging around the Tree	Yield/ Tree Fruit weight												
11.	Banana	1 Ha	Application of Blending of 7.5 g of urea and 7.5 g of sulphate of Potash dissolved in 100 ml warter in 500 g of fresh cowdung and apply the slurry to the denavelled stalk end of Banana bunch soon after fruit set	Yield Qt/Ha Bunch weight Avg number of Finger	Urea Potassium Sulphate	2000	500				10					10
12.	Papaya	0.4 Ha	Papaya seeds to be sown in polythene bags filled with equal proportioon of FYM, Gardenn soil and sand. Pits of 45 cm3 dug at the spacing of 1.8 x1.8m .Application of 7 kg FYM along with 250 g N,250 g P2O5.+500g K20 /plant	Number of Fruits/plant Frut weight Plant Height	Papaya seeds	5000	2500				10					10
13.	Poultry	100	Brooding management for 21 days with floor space of 0.3 ft^2 with help of chick guards, artificial heat @1-3 watt/chick, feeder and drinkers @ 1 each for 50 birds. Vaccination against RD on 7^{th} and14^{th} day. Use of electrolytes, preventive antibiotics	Body weight,Mortality Percentage	One day old chicks,Medicines, Vaccines, brooder	3500	2200				10					10

			during brooding													
14.	Vegetables	50 (1ha)	Proper planning and lay out, composting, Installation of permanent structure. Growing vegetables round the year covering leafy vegetables, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds	Yeild/day, Income	Vegetable seeds,planing materials,	1200	1000				50					50
15.	Vermicomposting	5no.s	Composting of cow dung and waste mushroom in the ratio 1:3 in the 8x4x3ft,verminwith release of earthworm(variety:Eiseia foetida)@1.0kg per quintal of waste material	Yeild, Income	Vermi bed,Earthworm	15000/5unnits	-				10					10
16.	Poultry	300 birds	Rearing of improved breed(Kadaknath) of poultry inn backyard condition with proper housing and disease prevention	Body weight gain,Mortality%	28days old chicks,Preventive medicines	1000/10birds	800/10birds				30					30
17.	Value addition to	10	Preparation of Mahua RTS, by extracting pulp from mahua flower and	flavour,	Sugar,Spices,Preservatives,P	5000/100kg	-				10					10

	Mahua		Mixing with equal amount of sugarMahua pulp 12.5 kg (TSS 7%)+ sugar solution + 14kg(TSS 74%) + Water 36 kg Preparation of Mahua , Laddu Dried cleaned flower 10 kg+Semolina, 10kg + Sugar: 2.5 kg Refined oil/ghee: 1 l White sesame: 1 kg Fennel seed: 0.25kg Coconut powder: 0.5 kgRoasting and Mixing and preparation of Laddu	Taste, Overall acceptability, Self life(Days **)**	ackig materials											

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	Nutrient management in ragi	1	F/FW	1day	Off	**4**	**2**	**10**	**9**	**-**	**-**	**14**	**11**	**25**
Field Day	Effect of INM in ragi	1	F/FW	1day	Off	**5**	**6**	**22**	**13**	**4**	**-**	**31**	**19**	**50**
Training	Improved cultivation practices of mustard	1	F/FW	1day	Off	**-**	**-**	**16**	**9**	**-**	**-**	**16**	**9**	**25**
Field Day	INM in mustard	1	F/FW	1day	Off	**-**	**-**	**28**	**22**	**-**	**-**	**28**	**22**	**50**

Training	BLB management in Paddy	1	F?FW	1 day	Off	-	-	12	3	8	2	20	5	25
Field Day	Field Day on BLB management in Paddy	1	F/FW	1 day	Off	-	-	15	4	7	4	22	8	30
Training	Training on Integrated Pest Management in Marigold	1	F/FW	1 day	Off	-	-	12	3	8	2	20	5	25
Field Day	Field Day on Mites management in Paddy	1	F/FW	1 day	Off	-	-	18	5	5	2	23	7	30
Training	Training on Anthracnose disease management in chilly	1	F/FW	1 day	Off	-	-	11	4	8	2	19	6	25
Field Day	Field day on Anthracnose disease management in chilly	1	F/FW	1 day	Off	-	-	15	5	7	3	22	8	30
Training	Training on Leaf curl management in Tomato	1	F/FW	1 day	Off	-	-	10	5	5	5	15	10	25
Field Day	Field day on Leaf curl management in Tomato	1	F/FW	1 day	Off	-	-	13	3	10	4	23	7	30
Training	Crop planning in Nutritional garden	1	Farm women	1 day	Off				25				25	25
Training	Training on Artificial brooding Management of Poultry Chicks	1	Farm women	1day	Off				25				25	25

Field Day	Artificial brooding Management of Poultry Chicks	1	Farm women	1day	Off				50				50	50
Training	Traininng on Vermicomposting	1	Farm women		Off				25				25	25
Training	Training on rearing of Poultry Chicks	1	Farm women		Off				25				25	25
Training	Preparation of Value added products from Mahua	1	Farm women		Off				25				25	25
Training	Training on INM in Bottle gourd	1	F/FW	1 day	Off				25				25	25
Field day	Field day on INM in Bottle gourd	1	F/FW	1 day	Off									50
Training	Training on Management of Mango Orchards	1	F/FW	1 day	Off									25
Field day	Field day on Use of PGR in controlling Fruit drop in Mango	1	F/FW	1 day	Off									50
Training	Training on Improved cultivation practices of Banana	1	F/FW	1 day	Off									25
Field day	Field Day on Feed management in Bbannana	1	F/FW	1 day	Off									50
Training	Training on Improved	1	F/FW	1 day	Off									25

	cultivation practices of Papaya													
Field day	Field Day on Papaya variety Arka Surya	1	F/FW	1 day	Off									50

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

2. 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 (No. /quintal)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)

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.)

3. 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	2	68	32	100	100%	4	0	4	72	32	104
2.	KisanMela	2	444	306	750	60	24	8	32	468	314	782
3.	KisanGhosthi	4	57	23	80	70	4	2	6	61	25	86
4.	Exhibition	2	654	458	1112	22	34	18	52	688	476	1364
5.	Film Show											
6.	Method Demonstrations	3	16	11	27	70%	2	0	2	18	11	29
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings	8	48	24	72	75%						72
10.	Lectures delivered as resource persons	8										200
11.	Advisory Services											
12.	Scientific visit to farmers field	132	324	128	452	65	8	5	13	332	137	469

13.	Farmers visit to KVK	330	308	252	560	70	10	6	16	318	258	570
14.	Diagnostic visits	36	108	54	162	65	8	4	12	116	58	184
15.	Exposure visits											6
16.	Ex-trainees Sammelan	0										
17.	Soil health Camp	0										
18.	Animal Health Camp	0										
19.	Agri mobile clinic	0										
20.	Soil test campaigns	0										
21.	Farm Science Club Conveners meet	0										100
22.	Self Help Group Conveners meetings	2		100	100	100	0	0	0	0	100	100
23.	MahilaMandals Conveners meetings	0										
24.	Celebration of important days (specify)	4	225	150	375	65	10	4	14	235	154	379
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	1	27	23	50	60	0	0	20	27	23	50
27.	Mahila Kisan Diwas	1	0	50	50	100	0	0	0	0	50	50
28.	Any Other (Specify)											
	Total											

4. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2020)	Amount proposed to be invested during 2021	Expected Return

5. Expected fund from other sources and its proposed utilization

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

9. On-farm trials to be conducted*

OFT -1

Season	Kharif, 2021
Title of the OFT	Assessment of herbicides for weed management in kharif groundnut
Thematic Area	Weed management
Problem Diagnosed	Lower yield due to high weed infestation and high cost of manual weeding
Production System	Groundnut- Mustard/ vegetables
Micro farming System	Rainfed- Upland
Technology for testing	Suitable herbicides for weed control
Existing practice	Manual weeding
Objectives	To assess suitable herbicide for control of weeds in kharif groundnut
Treatment	FP: Manual weeding TO-I: Pre-émergence application of herbicide Oxyflourfen @ 0.2 kg a.i/ha TO-II: Early post emergence application of imazethapyr 0.12 kg a.i/ha i.e 20 DAS
Critical Inputs	Herbicides: Oxyflourfen and Imazethapyr
Unit Size	0.14 ha
No. of Replication	7
Unit cost	500
Total Cost	4200
Monitoring Indicator	Weed density/m^2, No. of pods/plant, Yield (q/ha), B:C
Source of Technology	RRTTS, Mahispat,Odisha,2011

OFT -2

Season	**Kharif- 2021**
Title of the OFT	**Assessment of suitable varieties of arhar**
Thematic Area	**Varietal evaluation**
Problem Diagnosed	**Low yield of arhar due to use of local varieties**
Production System	

Micro farming System	**Rainfed- Upland**
Technology for testing	**Suitable arhar varieties**
Existing practice	**Cultivation of local varieties**
Objectives	To assass suitable variety of arhar
Treatment	FP: Cultivation of local varieties (Pusi Arhar) TO-I: Cultivation of BRG 5 variety of arhar TO-II: Cultivation of PRG 176 variety of arhar
Critical Inputs	Seeds
Unit Size	0.14
No. of Replication	7
Unit cost	300
Total Cost	2100
Monitoring Indicator	No. of branches/ plant, No. of pods/plant, 1000 grain weight, Yield
Source of Technology	**UAS, Bangalore, Karnatak, 2015** **RARS, Palem, Telengana, 2015**

OFT -3

Season	Late Kharif 2021
Title of the OFT	Assessment of suitable Kharif onion varieties in Sundargarh upland Situation
Thematic Area	Varietal Evaluation
Problem Diagnosed	Low yield due to Unavailability of Quality seed
Production System	Vegetable-vegetable
Micro farming System	Irrigated upland
Technology for testing	Suitble Kharif onion Varieties
Existing practice	Use of Locally available seeds
Objectives	To assess suitable kharif onion varieties
Treatment	Farmers Practice (FP): Cultivation of Locally available Onion variety N-53 Technology option-I (TO-I): Cultivation of Onion variety Agri found Dark red Technology option-II (TO-II): Cultivation of Onion variety L-883
Critical Inputs	Seeds, Seed treating Chemicals
Unit Size	0.14 Ha
No. of Replication	7
Unit cost	2500
Total Cost	15000
Monitoring Indicator	Days to maturity, Bulb diameter, weight of Bulb, Storage life
Source of Technology	NHRDF- Nashik, Maharastra

OFT -4

Season	**Rabi-2021**
Title of the OFT	**Assessment of different herbicides for weed management in Rabi Tomato**
Thematic Area	**Weed Management**
Problem Diagnosed	**Low yield due to heavy weed incidence in Early stages of Growth**
Production System	Vegetable-vegetable
Micro farming System	Irrigated upland
Technology for testing	Suitble Herbicides in Tomato
Existing practice	Manual weeding
Objectives	To assess suitable Herbicid in Tomato
Treatment	Farmers Practice (FP): Manual weeding Technology option-I (TO-I): Pre emergence application of Pendimethalin (30% EC) 1kg/ha a.i followed by one hand weeding on 30 Days after Transplanting Technology option-II (TO-II): Pre emergence application of Metribuzin (70%WP) 750 g/ha a.i followed by one hand weeding on 30 Days after Transplanting
Critical Inputs	Herbicides
Unit Size	0.14 Ha
No. of Replication	7
Unit cost	1200
Total Cost	8400
Monitoring Indicator	Weed control efficiency, No of weeds per Square metre, weight of Fruit(g), Yield (q)
Source of Technology	**TNAU.**

OFT -5

Season	Kharif
Title of the OFT	Comparative Assessment of Stress tolerant improved poultry breeds for Backyard production system
Thematic Area	Animal production
Problem Diagnosed	Less sustained backyard poultry
Production System	Backyard Poultry
Micro farming System	Backyard
Technology for testing	Rearing of Rearing of Kadaknath and Aseel breed poultry
Existing practice	Rearing of desi birds
Objectives	Increase productivity of backyard poultry birds
Treatment	Farmers Practice (FP): Rearing of desi birds Technology option-I (TO-I): T O_1 :Kadaknath birds body weight at 20 weeks=1170g, Avg. Annual egg production-190. Production parameters show tolerance to acute heat stress

	condition Technology option-II (TO-II): T O 2 :Aseel birds body weight at 20 weeks=1180g, Avg. Annual egg production-150.
Critical Inputs	Poultry chicks,medicines
Unit Size	10birds
No. of Replication	7
Unit cost	1000/-
Total Cost	7000/-
Monitoring Indicator	Body weight,Mortality
Source of Technology	Annual Report 2016-17, Dir. of Poultry , ICAR Annual Report 2017-18, ICAR-CARI

OFT -6

Season	Rabi
Title of the OFT	Assessment on Suitable cold Tolerant varieties of Oyster Mushroom
Thematic Area	Mushroom Production
Problem Diagnosed	Reduced yield of oyster mushroom during low temprature condition
Production System	Paddystraw mushroom-Oyster mushroom
Micro farming System	Homestead
Technology for testing	Cultivation of oyster mushroom variety P. florida and Hypsizygus ulmarius
Existing practice	Cultivation of oyster mushroom variety P. sajor caju
Objectives	To increase productivity
Treatment	Farmers Practice (FP): Cultivation of oyster mushroom variety P. sajor caju Technology option-I (TO-I): Cultivation of oyster mushroom variety P. florida Technology option-II (TO-II): Cultivationh of oyster mushroom variety Hypsizygus ulmarius
Critical Inputs	Mushroom spawn,polythene
Unit Size	50bags
No. of Replication	7
Unit cost	1000/-
Total Cost	7000/-
Monitoring Indicator	Yeild,B:C ratio
Source of Technology	CTMRT,2012-13

OFT -7

Season	**Rabi-2021-22**
Title of the OFT	**Assessment of suitable PP chemicals for management of Mango Hopper**
Thematic Area	**Integrated Pest Management**
Problem Diagnosed	**Lack of conviction on timing of pesticide application**
Production System	Fruits + Vegetables(Inter row spacing)
Micro farming System	**Irrigater upland**
Technology for testing	**Finding the better technology between organic and chemical pesticide**
Existing practice	**Indiscriminate use of chemical Pesticides**
Objectives	Hopper management by judicious use of PP chemicals for increasing yield
Treatment	Farmers Practice (FP): **Spraying of (Trizophos+Deltamethrin) @1lt/Ha** Technology option-I (TO-I): **Four sprays of Metarhizium anisopliae oil formulation @ 0.5ml/L at weekly interval** Technology option-II (TO-II): **Two applications of imidacloprid @ 0.25ml/L. at weekly interval**
Critical Inputs	***Metarhizium anisopliae*** **and Imidacloprid 18.7 SL**
Unit Size	0.1 Ha
No. of Replication	7
Unit cost	Rs.620/-
Total Cost	Rs.4340/-
Monitoring Indicator	**Number of hopper per twigs,Percentage of extent of Damage,Number of Fruit drops/plant**
Source of Technology	**IIHR-2015**

OFT -8

Season	**Rabi 2021-22**
Title of the OFT	**Assessment of nutrient management for Bloossom End rot in Tomato**
Thematic Area	**Integrated Nutrient Management**
Problem Diagnosed	**Lack of nutrient management practices leads to BER**
Production System	Vegetable-Vegetable
Micro farming System	**Rainfed Upland**
Technology for testing	**Nutrient Management for control of BER and improve quality of fruits**
Existing practice	**Only use of NPK,no use of secondary and micro nutrients**

Objectives	To check the BER problem by increasing the calcium % in soil
Treatment	Farmers Practice (FP): **Only use of NPK,no use of secondary and micro nutrients** Technology option-I (TO-I):**Foliar application of calcium 5% @ 1-2 Tbsp/4.5lt water** Technology option-II (TO-II): **Use of Arka vegetable Micronutrient formulation as spray after flowering @10-20g/lt**
Critical Inputs	**Calcium Nitrate and Arka vegetable Micronutrient**
Unit Size	0.1 Ha
No. of Replication	7
Unit cost	Rs.1520/-
Total Cost	Rs.10650/-
Monitoring Indicator	**No. of infected fruits /sq.mt.**
Source of Technology	**IIHR-2016**

OFT -9

Season	
Title of the OFT	
Thematic Area	
Problem Diagnosed	
Production System	
Micro farming System	
Technology for testing	
Existing practice	
Objectives	
Treatment	Farmers Practice (FP): Technology option-I (TO-I): Technology option-II (TO-II):
Critical Inputs	
Unit Size	
No. of Replication	
Unit cost	
Total Cost	
Monitoring Indicator	
Source of Technology	

*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	Funding authority	Fund expected (Rs.)

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

12. Scientific Advisory Committee

Date of SAC meeting held during 2020	Proposed date during 2021

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	200	10	5	80	30	55	20	150	50	200	10	1000
Water Samples												
Other (Please specify)												
Total												

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.)	Expected fund requirement (Rs.)
Total		

* 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