REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK:

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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
Soil fertility management (Soil.Sc.)	Green manure crops and their uses for soil health management	01	01	Off	2nd week of January, 2022	2	2	15	4	1	1	18	7	25
Management of Problematic soils (Soil.Sc.)	Management of acid soils for higher crop productivity	01	01	Off	3rd week of February, 2022	1	2	11	7	2	2	14	11	25
Soil fertility management (Soil Sc.)	Organic nutrient management practices for turmeric and ginger cultivation	01	01	Off	1st week of March, 2022	2	1	13	6	2	1	17	8	25
Production and use of organic	Quality vermicompost	01	01	Off	3rd week of April,	4	2	8	8	2	1	14	11	25

inputs (Soil.Sc.)	production technique				2022									
Integrated Nutrient Management (Soil.Sc.)	Integrated Nutrient management practices for off-season vegetable cultivation	01	01	Off	1st week of May, 2022	3	1	10	7	2	2	15	10	25
Nutrient Use Efficiency (Soil.Sc.)	Inoculation technique, use and importance of biofertilizers for major crops grown in Kandhamal district	01	01	Off	3rd week of June, 2022	2	2	12	5	3	1	17	8	25
Integrated Nutrient Management (Soil.Sc.)	Nutrient management practices for intercropping system	01	01	Off	2nd week of July, 2022	4	1	11	7	1	1	16	9	25
Production and use of organic inputs (Soil.Sc.)	Production technique of Azolla and its use in paddy field	01	01	Off	1st week of August, 2022	3	3	10	5	2	2	15	10	25
Production and use of organic inputs (Soil.Sc.)	Production technique of NADEP compost	01	02	On	3rd week of September, 2022	2	1	12	7	2	1	16	9	25
Soil fertility management (Soil.Sc.)	Organic nutrient management practices for vegetable cultivation	01	01	Off	2nd week of October, 2022	3	1	15	4	1	1	19	6	25
Integrated	Nutrient	01	02	On	1st week of	4	1	12	5	1	2	17	8	25

Nutrient Management (Soil.Sc.)	management strategies for enhancing pulse productivity in Kandhamal district				November, 2022									
Integrated Nutrient Management (Soil.Sc.)	Nutrient management strategies for enhancing oilseed productivity in Kandhamal district	01	02	On	3rd week of November, 2022	3	1	13	6	1	1	17	8	25
Market price issues (Agril. Ext.)	Grading and sorting of Vegetables at farmer level to get more market Price	02	01	Off	3rd week of April, 2022	8	8	12	14	5	3	25	25	50
Group dynamics (Agril. Ext.)	Use of mass and social media for technology support	02	01	Off	3rd week of May, 2022	8	8	12	14	5	3	25	25	50
Formation and Management of SHGs (Agril. Ext.)	Formation and management of SHGs	02	01	Off	3rd week of August, 2022	8	8	12	14	5	3	25	25	50
Formation and Management of SHGs (Agril. Ext.)	Record keeping of SHGs	02	01	Off	3rd week of October, 2022	8	8	12	14	5	3	25	25	50
Crop Diversification (AGRO)	Package of practices for high value rice cultivation	1	1	Off	1st week of June 2022	4	6	5	8	1	1	10	15	25
Weed Management (AGRO)	Integrated weed management in	1	1	Off	2nd week of June 2022	4	5	8	7	1	0	13	12	25

	groundnut													
Integrated Crop Management (AGRO)	Package of practices for finger millet cultivation	1	1	Off	1st week of July 2022	4	5	7	9	0	0	11	14	25
Integrated Crop Management (AGRO)	Package of practices for SRI method of rice cultivation	1	1	Off	2nd week of July 2022	4	6	5	8	1	1	10	15	25
Weed Management (AGRO)	Integrated weed management in transplanted rice	1	1	Off	3rd week of July 2022	2	5	8	7	1	2	11	14	25
Integrated Crop Management (AGRO)	Production techniques for Sweet corn cultivation	1	1	Off	1st week of August 2022	5	3	7	8	1	1	13	12	25
Integrated Crop Management (AGRO)	Package of practices for Field pea cultivation	1	1	Off	2nd week of August 2022	6	3	10	5	0	1	16	9	25
Cropping System (AGRO)	Cultivation of field pea in Paira cropping	1	1	Off	1st week of September 2022	4	6	5	8	1	1	10	15	25
Resource Conservation Technologies (AGRO)	Importance of green manuring for soil health improvement	1	1	Off	2nd week of September 2022	4	3	10	6	2	0	16	9	25
Cropping System (AGRO)	Production technique for maize : Cowpea intercropping	1	1	Off	1st week of October 2022	5	3	8	9	0	0	13	12	25
Integrated Crop Management (AGRO)	Package of practices for rapeseed & mustard	1	1	Off	1st week of November 2022	4	6	5	8	1	1	10	15	25
Weed Management (AGRO)	Integrated weed management in garden pea	1	1	Off	1st week of December 2022	4	4	6	10	1	0	11	14	25
Weed Management (AGRO)	Importance & use of herbicides in upland situations	1	1	Off	1st week of March 2023	4	6	5	8	1	1	10	15	25

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Enterprise development(H.Sc)	Cultivation practices of paddy straw mushrooms	1	1	On	12.04.22	0	13	0	10	0	2	0	25	25
Value addition(H.Sc)	Value addition of mango for additional income generation	1	2	On	10.05.22	0	13	0	10	0	2	0	25	25
Income generation activities for empowerment of rural Women(H.Sc)	Improved backyard poultry rearing	1	1	Off	20.06.22	0	13	0	10	0	2	0	25	25
Household food security by kitchen gardening and nutrition gardening(H.Sc)	Planning and layout of nutritional garden	1	1	Off	12.07.22	0	13	0	10	0	2	0	25	25
Location specific drudgery reduction technologies (H.Sc)	Use of small implements for drudgery reduction of farm woman	1	1	Off	28.07.22	0	13	0	10	0	2	0	25	25
Enterprise development(H.Sc)	Cultivation practices of oyster mushroom	3	2	On/Off	22.08.22 06.09.22 26.09.22	0	39	0	20	0	6	0	75	75
Women and child care(H.Sc)	Inclusion of high fibber millets in regular food of children and women	1	1	Off	15.11.22	0	13	0	10	0	2	0	25	25
Value addition(H.Sc)	Value addition oyster mushroom for additional income generation	1	1	Off	7.12.22	0	13	0	10	0	2	0	25	25

Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Different bullock drawn farm implements	1	1	Off	3rd week of May 2022	5	0	15	2	2	1	22	8	25
Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Operation of bullock drawn puddler	1	1	Off	1st week of June 2022	5	5	15	2	2	1	22	3	25
Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Nursery preparation and operation of Paddy transplanters	1	1	Off	2nd week of June 2022	5	5	15	2	2	1	22	3	25
Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Operation of drum seeders for direct sowing of paddy	1	1	Off	3rd week of June 2022	5	5	15	2	2	1	22	3	25
Location specific drudgery reduction technologies (AGRIL. ENGG.)	Different drudgery reducing farm implements for women	1	1	Off	1st week of July 2022	5	5	15	2	2	1	22	3	25
Location specific drudgery reduction technologies (AGRIL. ENGG.)	Value addition in different fruit crops	1	1	Off	2nd week of July 2022	5	5	15	2	2	1	22	3	25
Location specific drudgery reduction technologies (AGRIL. ENGG.)	Post harvest technologies in different crops	1	1	Off	1st week of August 2022	5	5	15	2	2	1	22	3	25
Location specific drudgery reduction technologies (AGRIL. ENGG.)	Farm implements for transplanting seedlings and sowing	1	1	Off	3rd week of August 2022	5	5	15	2	2	1	22	3	25
Installation and maintenance of micro irrigation systems (AGRIL. ENGG.)	Micro irrigation system in horticulture crops and orchards	1	1	Off	1st week of October 2022	5	5	15	2	2	1	22	3	25
Location specific drudgery reduction technologies	Different intercultural implements in	1	1	Off	2nd week of October	5	5	15	2	2	1	22	3	25

(AGRIL. ENGG.)	various crops				2022									
Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Operation of power weeders for different crops	1	1	Off	2nd week of November 2022	5	5	15	2	2	1	22	3	25
Water management (AGRIL. ENGG.)	soil moisture conservation techniques	1	1	Off	2nd week of January 2022	5	5	15	2	2	1	22	3	25
Location specific drudgery reduction technologies (AGRIL. ENGG.)	Operation and maintainance of Power operated threshers	1	1	Off	2nd week of February 2022	5	5	15	2	2	1	22	3	25
Yield increment (IFS/HOV)	Horticulture base farming system	1	1	Off	15th September 2022	5	0	12	5	3	0	20	5	25
Water Management (HOV)	Organic vegetable farming and its marketing management.	1	1	Off	15th September 2022	5	0	12	5	3	0	20	5	25
Off-season vegetables (HOV)	Cultivation of Kharif Potato	1	1	off	08th June 2022	5	0	12	5	3	0	20	5	25
Protective cultivation (HOV)	Trelis management in cucumber	1	1	Off	22nd November 2022	5	0	12	5	3	0	20	5	25
Yield increment (HOV)	Cultivation of winter & under utilise vegetables	1	1	Off	02nd October 2022	5	0	12	5	3	0	20	5	25
Yield increment (HOV)	Cultivation of Garden Peas	1	1	Off	22nd September 2022	5	0	12	5	3	0	20	5	25
Off-season vegetables (HOV)	Off season tomato farming	1	1	off	28th January 2023	5	2	10	5	3	0	18	7	25
Management of young plants/orchards (HOF)	Management of fruit orchard	1	1	On	03rd September 2022	5	0	12	5	3	0	20	5	25
Planting Mechanism in	Planting mechanism in	1	1	Off	15th July 2022	5	0	12	5	3	0	20	5	25

Fruits (HOF)	fruit crops.													
Production and Management technology (HOT)	Cultivation and seed tuber multiplication of Tuber crops (Sweet potato, Yam, Colocasia, EFY)	1	1	Off	28th June 2022	5	0	12	5	3	0	20	5	25
Production and Management technology (HOS)	Cultivation & processing of Spices (Chilli, Hot pepper, Bell pepper, Black pepper)	1	1	Off	05th August 2022	5	0	12	5	3	0	20	5	25
Flower Enterprise Development (HOO)	Cultivation of high market demand flowers & its marketing.	1	1	Off	26th November 2022	2	5	5	8	3	2	10	15	25
Medicinal Home herbal Garden (HOM)	Establishment of home herbal garden & use of medicinal plants.	1	1	Off	14th February 2023	2	3	6	10	2	2	10	15	25

(b) Rural youths

Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Production of organic inputs (Soil.Sc)	Practices and skill in production of vermicompost and vermi-wash	01	05	On	2nd week of October, 2022	1	1	6	5	1	1	8	7	15
Production of organic inputs(Soil.Sc)	Production technique of different	01	05	On	3rd week of November,	2	1	6	3	2	1	10	5	15

	organic liquid fertilizers				2022									
Formation and Management of SHGs(Agril.Ext)	Market led extention for SHG groups	01	02	On	3rd week of july, 2022	2	1	6	3	2	1	10	5	15
Formation and Management of SHGs(Agril.Ext)	Enriching the farm profitability through FPOs	01	02	On	3rd week of November, 2022	2	1	6	3	2	1	10	5	15
Production of Organic Inputs (AGRO)	Production technique for different organic inputs	1	2	On	2nd week of October 2022	2	1	7	3	2	0	11	4	15
IFS(AGRO)	Integrated Farming systems	1	2	On	2nd week of December 2022	1	3	3	7	1	0	5	10	15
Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Operation of power-tiller for wet & dry tillage	1	2	On	4th week of June 2022	4	0	10	0	1	0	20	0	15
Use of Plastics in farming practices (AGRIL. ENGG.)	Use of mulching for reducing weed and conserving soil moisture	1	2	On	2nd week of December 2022	3	2	8	0	2	0	13	2	15
Repair and maintenance of farm machinery and implements (AGRIL. ENGG.)	Tractor operation & maintenance	1	7	On	1st week of September 2022	4	0	10	0	1	0	20	0	15
Horticulture Enterprise (HOF)	Grading, Packaging & standardization of major Fruits & vegetables.	1	2	On	14-15th December 2022	5	0	5	2	3	0	13	2	15
Horticulture nursery (HOF)	Grafting & budding technology in fruits.	1	4	On	19-20th February 2023	5	0	8	0	2	0	15	0	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
Plant nutrient deficiencies and their management (Soil.Sc)	Identification of plant nutrient deficiency symptoms and their management strategies	01	01	On	1st week of September, 2022	1	1	5	2	4	2	10	5	15
Integrated Nutrient Management (Soil.Sc)	Strategic integrated nutrient management practices for soil health and sustainable agriculture	01	01	On	1st week of December, 2022	2	2	4	4	2	1	8	7	15
Group dynamics(Agril.Ext)	Management of information system and ICT	01	01	On	1st week of March 2021	3	2	6	2	1	1	10	5	15
Leadership development(Agril.Ext)	Leadership Devt. For community work	01	01	On	1st week of Sepember 2021	3	2	6	2	1	1	10	5	15
Leadership development(Agril.Ext)	Gender mainstreaming in PRA	01	01	On	26th December 2022	3	2	4	2	2	2	9	6	15
Weed Management (AGRO)	Organic package of practices for various crops	1	1	On	1st week of January 2023	4	0	7	1	2	1	13	2	15
Post Harvest Management (AGRO)	Storage techniques for food grains	1	1	On	1st week of February 2023	4	1	8	8	2	0	12	3	15
Installation and maintenance of micro irrigation systems (AGRIL. ENGG.)	Micro irrigation system and its maintenance	1	2	On	1st week of March 2021	3	2	6	2	1	1	10	5	15
Water Management (HOF)	Horticulture base Farming System Model	1	2	On	26-27th December 2022	3	2	4	2	2	2	9	6	15
Management of Medicinal Plant (HOM)	Collection, Cultivation, Processing &	1	2	On	15-16th February	3	2	4	2	2	2	9	6	15

	marketing of major medicinal plants for income generation.				2023									

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	4	20	11	31	39	18	57	7	5	12	66	34	100
Resource Conservation Technologies	1	5	4	9	10	6	16	0	0	0	15	10	25
Cropping Systems	2	11	7	18	19	10	29	2	1	3	32	18	50
Crop Diversification	1	4	3	7	10	6	16	1	1	2	15	10	25
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	5	25	13	38	44	28	72	9	6	15	78	47	125
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**13**	**65**	**38**	**103**	**122**	**68**	**190**	**19**	**13**	**32**	**206**	**119**	**325**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	1	5	0	5	12	5	17	3	0	3	20	5	25
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	3	15	0	15	36	15	51	9	0	9	60	15	75
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	2	10	2	12	22	10	32	6	0	6	38	12	50
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	5	0	5	12	5	17	3	0	3	20	5	25
Others, if any (Cultivation of Vegetable)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**7**	**35**	**2**	**37**	**82**	**35**	**117**	**21**	**0**	**21**	**138**	**37**	**175**

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
b) Fruits													
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	2	10	0	10	24	10	34	6	0	6	40	10	50
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**2**	**10**	**0**	**10**	**24**	**10**	**34**	**6**	**0**	**6**	**40**	**10**	**50**
c) Ornamental Plants													
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	1	2	5	7	5	8	13	3	2	5	10	15	25
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1**	**2**	**5**	**7**	**5**	**8**	**13**	**3**	**2**	**5**	**10**	**15**	**25**
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	1	5	0	5	12	5	17	3	0	3	20	5	25
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1**	**5**	**0**	**5**	**12**	**5**	**17**	**3**	**0**	**3**	**20**	**5**	**25**
f) Spices													
Production and Management technology	1	5	0	5	12	5	17	3	0	3	20	5	25
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**1**	**5**	**0**	**5**	**12**	**5**	**17**	**3**	**0**	**3**	**20**	**5**	**25**
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	2	3	5	6	10	16	2	2	4	10	15	25
TOTAL	**1**	**2**	**3**	**5**	**6**	**10**	**16**	**2**	**2**	**4**	**10**	**15**	**25**
III. Soil Health and Fertility Management													
Soil fertility management	3	7	4	11	43	14	57	4	3	7	54	21	75
Soil and Water Conservation													
Integrated Nutrient Management	4	14	4	18	46	25	71	5	6	11	65	35	100

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and use of organic inputs	3	9	6	15	30	20	50	6	4	10	45	30	75
Management of Problematic soils	1	1	2	3	11	7	18	2	2	4	14	11	25
Micro nutrient deficiency in crops													
Nutrient Use Efficiency	1	2	2	4	12	5	17	3	1	4	17	8	25
Soil and Water Testing													
Others, if any													
TOTAL	**12**	**33**	**18**	**51**	**142**	**71**	**213**	**20**	**16**	**36**	**195**	**105**	**300**
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	1	0	10	10	0	13	13	0	2	2	0	25	25
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	4	0	40	40	0	52	52	0	8	8	0	25	25
Value addition	2	0	20	20	0	26	26	0	4	4	0	25	25
Income generation activities for empowerment of rural Women	1	0	10	10	0	13	13	0	2	2	0	25	25
Location specific drudgery reduction technologies	1	0	10	10	0	13	13	0	2	2	0	25	25
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	1	0	10	10	0	13	13	0	2	2	0	25	25
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**10**	**0**	**100**	**100**	**0**	**130**	**130**	**0**	**20**	**20**	**0**	**250**	**250**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	5	2	7	7	4	11	4	3	7	16	9	25

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
Use of Plastics in farming practices	1	5	2	7	7	4	11	4	3	7	16	9	25
Production of small tools and implements	1	5	2	7	7	4	11	4	3	7	16	9	25
Repair and maintenance of farm machinery and implements	8	35	25	60	75	55	120	15	5	20	150	50	200
Small scale processing and value addition	1	5	2	7	7	4	11	4	3	7	16	9	25
Post Harvest Technology	1	5	2	7	7	4	11	4	3	7	16	9	25
Others, if any													
TOTAL	**13**	**60**	**35**	**95**	**110**	**75**	**175**	**35**	**20**	**55**	**230**	**95**	**300**
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 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													

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 of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	2	15	5	20	15	10	25	5	0	5	35	15	50
Formation and Management of SHGs	4	15	15	30	15	45	60	0	10	10	30	70	100
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Market price issues	2	15	5	20	15	10	25	5	0	5	35	15	50
TOTAL	**8**	**45**	**25**	**70**	**45**	**65**	**110**	**10**	**10**	**20**	**100**	**100**	**200**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**69**	**262**	**226**	**488**	**560**	**482**	**1032**	**122**	**83**	**205**	**969**	**756**	**1725**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming	1	4	1	5	5	2	7	1	2	3	10	5	15
Seed production													
Production of organic inputs	3	7	2	9	20	10	30	3	3	6	30	15	45
Planting material production	1	5	0	5	8	0	8	2	0	2	15	0	15
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	8	0	8	20	0	20	2	0	2	30	0	30

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 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 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	1	5	0	5	5	2	7	3	0	3	13	2	15
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	2	4	2	6	12	6	18	4	2	6	20	10	30
Plastic in agriculture	1	3	2	5	8	0	8	2	0	2	13	2	15
TOTAL	**11**	**36**	**7**	**43**	**78**	**20**	**98**	**17**	**7**	**24**	**131**	**34**	**165**

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	2	7	1	8	14	4	18	2	2	4	24	6	30
Integrated Pest Management													
Integrated Nutrient management	2	3	3	6	9	6	15	6	3	9	18	12	30
Rejuvenation of old													

orchards													
Value addition (Medicinal Plant cultivation & value addition)	1	3	2	5	4	2	6	2	2	4	9	6	15
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization	1	3	2	5	6	2	8	1	1	2	10	5	15
Information networking among farmers	1	3	2	5	6	2	8	1	1	2	10	5	15
Capacity building for ICT application	1	3	2	5	4	2	6	2	2	4	9	6	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													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification	1	3	2	5	4	2	6	2	2	4	9	6	15
Micro irrigation system	1	3	2	5	6	2	8	1	1	2	10	5	15
TOTAL	**10**	**28**	**16**	**44**	**53**	**22**	**75**	**17**	**14**	**31**	**99**	**51**	**150**

4. Frontline demonstration to be conducted

FLD-1	**Demonstration on INM in Chilli during Kharif season**
Crop	**Chilli**
Thrust Area	**Soil health & fertility management**
Thematic Area	**Integrated Nutrient Management**
Season	**Kharif - 2022**
Farming Situation	**Rain-fed 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	Chilli	01	▪ Soil test based NPK application ▪ Vermi-compost @ 5 t / ha (*on-farm production*) ▪ Bio-fertilizer (*Azotobacter*, *Azospirillum* and *PSB*, 1:1:1 @ 4 kg each per ha)	Plant height (cm); No. of branches/ plant; Days to 50% flowering;; Uptake of N,P &K (kg/ha); Change in soil nutrient status (pre & post harvest)	Fertilizer, Biofertilizer			1	1	4	2	1	1	6	4	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 nutrient management practices for vegetable cultivation	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

Field Day	Field day on **INM in Chilli** cauliflower	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-2	**Demonstration on organic nutrient management in Maize + Cowpea (2:2) intercropping system during Kharif**
Crop	**Maize+cowpea**
Thrust Area	**Soil health & fertility management**
Thematic Area	**Integrated Nutrient Management**
Season	**Kharif - 2022**
Farming Situation	**Rain-fed 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**
2	Maize+cowpea	01	▪ Application of FYM @ 5 t/ha ▪ Vermicompost @ 2 t/ha (on-farm production by farmers) ▪ Bio-contortia @ 5 kg/ha ▪ Application of Pot-manure @ 2 % for 4 times at 15 days interval	Plant height (cm); Cob length (cm); Grains/Cob (nos.) ; Pod length (cm); Grains/pod (nos.)	Biofertilizers			1	1	4	2	1	1	6	4	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	Nutrient management practices for intercropping system	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25
Field Day	Field day on **organic nutrient management in Maize + Cowpea (2:2) intercropping system**	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-3	**Demonstration on INM in garden pea during Rabi season**
Crop	**Gardenpea**
Thrust Area	**Soil health & fertility management**
Thematic Area	**Integrated Nutrient Management**
Season	**Rabi 2022-23**
Farming Situation	**Irrigated Up & 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**
3	Garden pea	01	• Application of FYM @ 5 t / ha • Application of lime @ 0.2 LR at the time of final ploughing • Soil test based NPK application • Seed inoculation with *Rhizobium* @ 20 gm/kg seed	Plant height (cm); No. of pods/plant; Pod length (cm); No. of effective root nodules/plant; No. of seeds/pod; Change in soil nutrient status (pre & post harvest)	Lime, fertilizers, biofertilizers			1	1	4	2	1	1	6	4	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	Nutrient management practices for vegetable cultivation	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25
Field Day	Field day on **INM in garden pea**	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-4	**Demonstration on INM in sunflower during Rabi season**
Crop	**Sunflower**
Thrust Area	**Soil health & fertility management**
Thematic Area	**Integrated Nutrient Management**
Season	**Rabi 2022-23**
Farming Situation	**Irrigated Up & 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
4	Sunflower	01	▪ soil test based NPK application ▪ Use of FYM @ @ 5 t/ha and ▪ Use of bio-fertilizer (*Azotobacter*, *Azospirillum* and *PSB*, 1:1:1 @ 4	Plant height (cm), diameter of capitulum (cm), filled seed/capitulum, 100 seed weight(gm)	Fertilizer, biofertilizers			1	1	4	2	1	1	6	4	10

			kg each per ha)													

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 strategies for enhancing oilseed productivity in Kandhamal district	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25
Field Day	Field day on **INM in sunflower**	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-5	**Demonstration on pro tray nursery techniques**
Crop / Enterprise	Pro tray Nursery (Tomato, Chilli, Hot pepper, capsicum, Brnjal & cauliflower)
Thrust Area	IGA
Thematic Area	Nursery Management
Season	Kharif 2022
Farming Situation	Rain-fed medium land (Vegetable – 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
5	Pro tray Nursery (Tomato, Chilli, Hot pepper, capsicum, Brnjal & cauliflower	0.2 ha	Raising of seedling in pro tray with sterilise potting mixture by coco peat @ 300 kg with 5 kg Neem cake along with	Survival rate of seedling (%), Days to form seed to seedling, Mortality rate (%) BCR, GC, GR, NR	pro tray Seeds, coco eat, Neem Cake, Bio-fertilisers			02	01	03	02	01	01	07	03	10

	)		Azospirillum and phosphobacteria each @ 1 kg.													

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	Pro tray Nursery techniques	01	Farmers/ Farm women	01	Off	05	02	08	05	05	01	17	08	25
Meeting	Pro tray Nursery techniques	01	Farmers/ Farm women	01	Off	05	00	11	02	02	00	18	02	20

FLD-6	**Demonstration of chilli variety Arka meghana**
Crop / Enterprise	**Chilli**
Thrust Area	**Crop substitution & cropping system**
Thematic Area	**Integrated Crop Management**
Season	**Kharif 2022**
Farming Situation	**Rain fed Up Land (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								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
6	Chilli	0.4 ha	**Demonstration of Dual purpose use Chilli variety Arka Meghana**	**Plant height (cm), Single fruit weight (gm), Single fruit length(cm), Green chilli weight kg /plant, Red chilli weight**	Seeds.			02	01	03	02	01	01	07	03	10

				kg/plant. BCR, GC, GR, NR												

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	Cultivation & processing of Chili	01	Farmers/ Farm women	01	Off	5	0	12	5	3	0	20	5	25

FLD-7	**Demonstration of SLTS in cucumber farming**
Crop / Enterprise	**Cucumber**
Thrust Area	**Crop substitution & cropping system**
Thematic Area	**Integrated Crop Management**
Season	**Rabi, 2022 – 23**
Farming Situation	**Irrigated Upland (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								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
7	Cucumber	0.4 ha	Cucumber hybrid cultivation with Single line trellis system (SLTS) using HDPE Nylon net/ GI wire with bamboo stump in 5 ft distance in line row and 3 ft distance between two rows.	Single fruit weight (gm), Single fruit length(cm) BCR, GC, GR, NR	Seeds, HDPE Nylon net			02	01	03	02	01	01	07	03	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	Trelis Management in cucumber	01	Farmers/ Farm women	01	Off	5	0	12	5	3	0	20	5	25

FLD-8	**Demonstration of Green peas variety vl Sabji matar 14 (vp 1018)**
Crop / Enterprise	**Garden peas**
Thrust Area	**Crop substitution & cropping system**
Thematic Area	**Integrated Crop Management**
Season	**Rabi, 2022 – 23**
Farming Situation	**Irrigated Up Land (Paddy – 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
8	Garden peas	0.4 ha	Cultivation of Green Peas Variety Sabji Matar 14 Resistance to powdery mildew disease, bacterial wilt	No. of fruit/ plant, No. of seeds / fruit, Single fruit weight (gm) BCR, GC, GR, NR	Seeds			02	01	03	02	01	01	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	Cultivation of Garden peas	01	Farmers/ Farm women	01	Off	5	0	12	5	3	0	20	5	25

FLD-9	**Demonstration on weed management in transplantd rice during Kharif 2022**
Crop	**Paddy**
Thrust Area	**Weed density**
Thematic Area	**Integrated weed Management**
Season	**Kharif – 2022**
Farming Situation	**Rain-fed medium land and low land**

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
9	Paddy	01	Post-emergence application of Bispyribac-Na @ 20 g/ ha + Almix @ 4 g/ ha recorded the lowest weed density and significantly higher yield in transplanted rice.	Plant height (cm), No. of tillers/hill, weed density/ m2	Bispyribac-Na and Almix			3	0	4	2	0	1	7	3	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 weed management practices for transplanted rice cultivation	01	Farmers/ Farm women	01	Off	05	04	09	05	01	01	15	10	25
Field Day	Field day on Paddy	01	Farmers/ Farm women	01	Off	03	03	20	10	10	04	33	17	50

FLD-10	**Demonstration on Ragi variety, Kalua (OEB 532) during Kharif 2022**
Crop	**Finger millet**
Thrust Area	**Crop diversification**
Thematic Area	**Varietal introduction**
Season	**Kharif – 2022**
Farming Situation	**Rain-fed upland and 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
10	Ragi, Kalua	01	Line sowing of Kalua variety, moderately resistant to leaf, neck and finger blast and brown seed. Can tolerate dry spell of 10-12 days at vegetative and 6-8 days at reproductive stages.	Plant height, No. of effective tillers/hill, No. of fingers/plant	Seed			2	1	3	4	0	0	5	5	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	Package of practices for cultivation of finger millet	01	Farmers/ Farm women	01	Off	02	03	10	07	01	02	13	12	25
Field Day	Field day on finger millet	01	Farmers/ Farm women	01	Off	03	03	20	10	10	04	33	17	50

FLD-11	**Demonstration on Toria variety, Sushree during Rabi – 2022-23**
Crop	**Rapeseed mustard**
Thrust Area	**Crop management**
Thematic Area	**Integrated crop Management**
Season	**Rabi – 2022-23**
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	Toria, Sushree	01	Toria variety, ORTM(m) 7-2 was released in the name of 'Sushree' with the average yield of 1380 kg /ha and oil content of 42% and suitable for late sown condition.	No of siliqua/plant, plant height (cm), no. of seeds/siliqua	Seed			2	1	4	3	1	0	6	4	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 practices for Rapeseed and mustard cultivation	01	Farmers/ Farm women	01	Off	05	04	09	05	01	01	15	10	25
Field Day	Field day on Toria	01	Farmers/ Farm women	01	Off	03	03	20	10	10	04	33	17	50

FLD-12	**Demonstration on IWM in Garden pea during Rabi – 2022-23**
Crop	**Garden pea**
Thrust Area	**Weed management through herbicides**
Thematic Area	**Integrated weed Management**
Season	**Rabi – 2022-23**
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.	Garden pea	01	Post-emergence application of Imazethapyr (10% SL) @ 750ml/ha at 20-30 DAS	Plant height (cm); No. of Pods/Plant; Pod length (cm) and No. of seeds/pod	Imazet hapyr			3	0	4	2	1	0	8	2	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated weed management practices for Garden pea cultivation	01	Farmers/ Farm women	01	Off	02	03	10	07	01	02	13	12	25
Field Day	Field day on Garden pea cultivation	01	Farmers/ Farm women	01	Off	03	03	20	10	10	04	33	17	50

FLD-13	**Demonstration on Bullock drawn seed cum fertilizer drill in Maize**
Crop	**Maize**
Thrust Area	**Drudgery reduction**
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**
5	Maize	01	▪ **5 row seed cum fertilizer drill- row to row adjustable, available with 7 sets of roller, suitable for small to bold seeds, working width – up to 1.5 m, vertical roller type metering mechanism**	**Germination %, Plant density (Nos/sqm), Capacity- ha/hr, Labour requirement (man-days/ha), Cost of sowing (Rs/ha)**	**Bullock drawn seed cum fertilizer drill**			1	1	4	2	1	1	6	4	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	Different bullock drawn farm implements	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25
Field Day	Field day on Bullock drawn seed cum fertilizer drill in	01	Farmers/Farm	01	Off	-	-	-	-	-	-	-	-	25

	Maize		women											

FLD-14	**Demonstration on OUAT Bullock drawn puddler for puddling in Rice**
Crop	**Paddy**
Thrust Area	**Drudgery reduction**
Thematic Area	**Farm mechanization**
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**								
					Name of Inputs	**Demo**	**Local**	**SC**		**ST**		**Other**		**Total**		
								M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
5	Paddy	01	▪ **Puddler suitable for small and medium size bullocks of odisha, working with of 760 mm, weight of 41 kg, draft requirement of 50-55 kg**	**Field capacity (ha/h), Puddling Index (%), Labour requirement (MDs/ha), Cost of puddling (Rs/ha)**	**OUAT Bullock drawn puddler**			1	1	4	2	1	1	6	4	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	Different bullock drawn farm implements	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-15	**Demonstration on plastic mulching in Tomato during Rabi**
Crop	**Tomato**
Thrust Area	**Weed Management**
Thematic Area	**Weed Management**
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**
5	Tomato	01	▪ **Cultivation of Tomato using 50 micron poly mulch**	**Avg. Fruit weight (g)** **No. of Fruits/plant**	▪ **50 micron poly mulch**			1	1	4	2	1	1	6	4	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	Techniques for soil moisture conservation	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-16	**Demonstration on power operated OUAT Ragi thresher cum pearler**
Crop	**Ragi**
Thrust Area	**Post harvest Technology**
Thematic Area	**Post harvest Technology**
Season	**Pre-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**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
5	Ragi	01	**A ragi thresher cum pearler has been developed for simultaneous threshing and pearling operation of harvested and dried ragi fingers. Operated by 1.0hp electric motor.**	**Capacity(kg/hr), threshing efficiency %, cleaning efficiency %, cost of operation (Rs/q)**	**Ragi thresher cum pearler**			1	1	4	2	1	1	6	4	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	Operation of different threshers	01	Farmers/Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-17	**Demonstration on oyster mushroom (*Hypsizygus ulmarius*) cultivation during Rabi season**
Crop	**Mushroom**
Thrust Area	**Increase yield**
Thematic Area	**Entrepreneurs development**
Season	**Rabi 2022 -2023**
Farming Situation	**Homestead**

Sl. No.	**Crop & variety / Enterprises**	**Proposed Area (ha)/ Unit (No.)**	**Technology package for demonstration**	**Parameter (Data) in relation to technology demonstrated**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
	Mushroom	01	Cultivation of oyster mushroom var. *Hypsizygus ulmarius* having better yield and high market demand	Large and fleshy appearance , better yield, shelf life of 32-40 days , 10-18 degree centigrade biological efficiency 80%	var. *Hypsizygus ulmarius*			1	2	2	4	0	1	4	6	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	Cultivation of oyster mushroom	01	Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-18	**Demonstration on development of Protein rich products to combat PEM**
Crop	**Bengal gram**
Thrust Area	**Nutritional security among farm family**
Thematic Area	**Women and child care**
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**
	Bengal gran	01	Development of Protein rich products to combat PEM	Keeping quality, sensory evaluation, Cost of intervention. Additional income over additional investment, B:C ratio	Puffed bengal gram dhal and soya chunks sugar, cardamom and skimmed milk powder.			0	3	0	6	0	1	0	10	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	Development of Protein rich products to combat PEM	01	Farm women	01	Off	-	-	-	-	-	-	-	-	25

FLD-19	**Demonstration on minimally processed tender jackfruit**
Crop	**Jack fruit**
Thrust Area	**Loss management**
Thematic Area	**Income generation**
Season	**Rabi 2022-23**
Farming Situation	**Rainfed Up & 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**
	Jackfruit	01	Minimally processed tender jackfruit	Keeping quality, sensory evaluation, Cost of intervention. Additional income over additional investment, B:C ratio	Salt			0	3	0	6	0	1	0	10	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	Value addition in green mango and jackfruit	01	Farm women	01	Off	-	-	-	-	-	-	-	-	25

5. 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.)
Seed								
Turmeric	Roma	May, 2022 to February, 2023	0.7	TL seed	80			
Turmeric	Rashmi	May, 2022 to February, 2023	0.3	TL seed	35			
Niger	Utkal niger 150	August-2022 to December 2022	1.5	FS	4.5			
Toria	Sushree	October 2022 to February, 2022	1.5	FS	7.5			
Planting materials								
Brinjal	Hybrid	April,2022 to December, 2022	-	seedling	2500			
Chilli	Hybrid	April,2022 to December, 2022	-	seedling	3000			
Tomato	Hybrid	April,2022 to December, 2022	-	seedling	3000			
Cabbage	Hybrid	April,2022 to December, 2022	-	seedling	2500			
Cauliflower	Hybrid	April,2022 to December, 2022	-	seedling	2500			
Onion	Hybrid	July,2022 to October, 2022	-	seedling	15000			
Papaya	Hybrid	July,2022 to	-	seedling	1000			

		December, 2022						
Drumstick	Hybrid	July,2022 to December, 2022	-	seedling	500			

b) Village Seed Production Programme

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

6. Extension Activities

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST(% of total)	Male	Female	Total	Male	Female	Total
Field Day	7	100	50	150	95	7	5	12	107	55	162
Kisan Mela	1	80	90	170	95	7	4	11	87	94	181
Kisan Ghosthi	3	50	25	75	95	-	-	-	50	25	75
Exhibition	1	80	90	170	95	7	4	11	87	94	181
Film Show	25	60	40	100	95	-	-	-	60	40	100

Method Demonstrations	-	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	1	20	-	20	95	5	-	5	25	-	25
Workshop	4	70	50	120	95	-	-	-	70	50	120
Group meetings	26	100	35	135	95	3	2	5	103	37	140
Lectures delivered as resource persons	50	550	200	750	72	7	3	10	557	203	760
Advisory Services	13	25021	3002	28023	95	200	73	273	25221	3275	28496
Scientific visit to farmers field	150	250	110	360	85	8	10	18	258	120	378
Farmers visit to KVK	300	1000	2500	3500	87	10	15	25	1010	2515	3525
Diagnostic visits	46	125	110	235	95	7	4	11	132	114	246
Exposure visits	-	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	2	10	40	50	95	2	2	4	12	42	54
Soil health Camp	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	5	65	15	80	87	2	2	4	67	17	84
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	30	-	125	125	95	2	7	9	2	132	134
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	7	86	124	210	92	5	3	8	89	127	216

Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
Swatchta Hi Sewa	17	84	16	100	82	4	4	8	88	20	108
Mahila Kisan Divas	1	-	40	40	95	4	3	7	4	43	47
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-	-
Total	**689**	**27751**	**6662**	**34413**		**280**	**141**	**421**	**28029**	**7003**	**35032**

7. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2021)	Amount proposed to be invested during 2022-2023	Expected Return
535614	500000	800000

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)
Biotech	Department of Biotechnology, GoI	2700000	Demonstrations and Distribution, Trainings, Farmers fairs, Exposure visits
ATMA, Kandhamal	State Govt.	80000	Demonstration, Monitoring activities of ATMA

9. On-farm trials to be conducted*

OFT-1

Sl. No.	Particulars		Details
i.	Season		Rabi 2022-23
ii.	Title of the OFT		Assessment of suitable variety and different planting time for better market price of Cauliflower (Rabi 22-23)
iii.	Thematic Area		
iv.	Problem diagnosed		Low Market price
v.	Important Cause		Better market Price
vi.	Production system		cauliflower
vii.	Micro farming system		Vegetable-vegetable
viii.	Technology for Testing		
ix.	Existing Practice		
x.	Hypothesis		
xi.	Objective(s)		To increase market price
xii.	Treatments		
	a)	Farmers Practice (FP)	Farmer generally plant the seedling in the mid of November Var.Purnima
	b)	Technology option-I (TO_1)	Planting of seedling 21 days before onset of normal planting period with suitable Var.Sobha
	c)	Technology option-II (TO_2)	Planting of seedling 21 days after completion of normal planting Period with suitable Var.Barkha
xiii.	Critical Inputs		Cauliflower seedlings
xiv.	Unit Size		0.057 ha
xv.	Total Cost		Rs 6000/-
xvi.	Monitoring Indicator		Yield (q/ha), selling price, Market price, Farmers share in consumers price (%), Net return(Rs/ha), B:C ratio
xvii.	Source of Technology		

OFT-2

1	Season:	Kharif, 2022
2	Title of the OFT:	Assessment of Integrated nutrient management in maize during Kharif season
3	Thematic Area	Integrated nutrient management
4	Problem diagnosed:	Poor plant growth, improper grain filling, small cob size due to improper nutrient management practices
5	Important Cause:	7800 ha, High, Yield Gap : 25-45 %
6	Production system:	Rain-fed Upland
7	Micro farming system:	Maize– Falllow
8	Technology for Testing:	Integrated nutrient management for augmenting productivity in maize
9	Existing Practice:	Application of FYM @ 1 t /ha with fertilizer @ 35-20-20 kg N-$P_2O_5K_2O$/ha
10	Hypothesis:	▪ Liming and micronutrient like Zn have profounf effect on maize yield along with improving soil properties ▪ FYM not only improves the physical, chemical and biological properties of soil but also improves the moisture holding capacity of soil & supply plant nutrients ▪ Judicious use of organic and inorganic sources is essential to maintain the soil health and sustainable productivity
11	Objective(s):	To increase the productivity of maize
12	Treatments:	
a	Farmers Practice (FP)	Application of FYM @ 1 t /ha with fertilizer @ 35-20-20 kg N-$P_2O_5K_2O$/ha
b	Technology option-I (TO_1)	STBFR based N:P_2O_5:K_2O + FYM @ 5 t / ha
c	Technology option-II (TO_2)	TBFR based N:P_2O_5:K_2O + FYM @ 5 t / ha + lime @0.2 LR
d	Technology option-III (TO_3)	STBFR based N:P_2O_5:K_2O + FYM @ 5 t / ha + lime @0.2 LR + Zn @ 5 kg/ ha
13	Critical Inputs:	Fertilizers, lime and micronutrient
14	Unit Size:	0.08ha
15	No of Replications:	05
16	Unit Cost:	1200.00
17	Total Cost:	6000.00
18	Monitoring Indicator:	Plant height (cm); Cob length (cm); Cob girth (cm); Uptake of N,P &K (kg/ha); Change in soil nutrient status (pre & post harvest)
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	AICRP on Dry Land Agriculture., OUAT, 2021

OFT-3

1	Season:	Rabi, 2022-23
2	Title of the OFT:	**Assessment of Integrated nutrient management in mustard during Rabi season**
3	Thematic Area	Integrated nutrient management
4	Problem diagnosed:	Poor plant growth, less silique and seed formation due to improper nutrient management practices

5	Important Cause:	8000 ha, High, Yield Gap : 20-40 %
6	Production system:	Irrigated Up & Medium land
7	Micro farming system:	Veg-Oilseed
8	Technology for Testing:	Integrated nutrient management for augmenting productivity in mustard
9	Existing Practice:	Application of fertilizer @ 20.5-23-0 kg N-$P_2O_5K_2O$/ha
10	Hypothesis:	▪ Judicious use of organic and inorganic sources is essential to maintain the soil health and sustainable productivity ▪ FYM not only improves the physical, chemical and biological properties of soil but also improves the moisture holding capacity of soil & supply plant nutrients ▪ Combined application of Biofertilizer, FYM and NPK increases the growth, yield attributes and yield of mustard
11	Objective(s):	To increase the productivity of mustard
12	Treatments:	
a	Farmers Practice (FP)	Application of fertilizer @ 20.5-23-0 kg N-$P_2O_5K_2O$/ha
b	Technology option-I (TO_1)	100% STBFR based N:P_2O_5:K_2O + FYM @ 2 t / ha
c	Technology option-II (TO_2)	75% STBFR based N:P_2O_5:K_2O + FYM @ 2 t / ha + Biofertilizers (*Azotobacter*, *Azospirillum* and *PSB* @ 1:1:1, 4 kg each per ha
d	Technology option-III (TO_3)	100% STBFR based N:P_2O_5:K_2O + FYM @ 2 t / ha + Biofertilizers (*Azotobacter*, *Azospirillum* and *PSB* @ 1:1:1, 4 kg each per ha
13	Critical Inputs:	Fertilizers and biofertilizer
14	Unit Size:	0.08ha
15	No of Replications:	05
16	Unit Cost:	1000.00
17	Total Cost:	5000.00
18	Monitoring Indicator:	Plant height (cm); No of silique/plant; test weight (gm); Uptake of N,P &K (kg/ha); Change in soil nutrient status (pre & post harvest)
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	AINP on Soil Bio-diversity - Bio-fertilizers,Deptt. Of Soil Sc. & Agri.Chem OUAT-2014

OFT-4

Sl. No.	Particulars	Details
i.	**Season**	**Kharif 2022**
ii.	**Title of the OFT**	**Assessment Of Horti Based Farming System Model**
iii.	**Thematic Area**	ICM
iv.	**Problem diagnosed**	**Low productivity due to single crop farming**
v.	**Important Cause**	Spread is over 2500 ha with moderate intensity, Yield gap – 40 %
vi.	**Production system**	**Irrigated Medium land**
vii.	**Micro farming system**	**Paddy - Vegetable**
viii.	**Technology for Testing**	**Horticulture farming system model**
ix.	**Existing Practice**	**Mono cropping near pond area**
x.	**Hypothesis**	**Cultivation of more than one horticulture crop will increase productivity, Integrated horticulture base farming system model provide through out the Year income, Maximum utilization of nutrient, soil moisture, surface water & space.**
xi.	**Objective(s)**	To increase production & productivity
xii.	**Treatments**	
	a) Farmers Practice (FP)	**Cultivation of Single crop near pond area**

	b)	Technology option-I (TO_1)	**Vegetable (Runner Bean – Carrot - Green peas - Summer tomato) 1:1 with Banana, Papaya, Drum stick in border + Vermi composting+ Mushroom**
xiii.	**Critical Inputs**		Seeds, **p**lanting materials
xiv.	**Unit Size**		0.4 ha
xv.	**Total Cost**		15000
xvi.	**Monitoring Indicator**		Growth rate, **p**roduction (q), **productivity increase**
xvii.	**Source of Technology**		***ICAR-Research Complex for Eastern Region, Patna, Bihar 2021***

OFT-5

Sl. No.	**Particulars**		**Details**
i.	**Season**		**Rabi 2022-23**
ii.	**Title of the OFT**		**Assessment of Onion variety Arka Niketan**
iii.	**Thematic Area**		Varietal evolution
iv.	**Problem diagnosed**		**Low production, low Post harvest life**
v.	**Important Cause**		Spread is over 2000 ha with moderate intensity, Yield gap – 30 %
vi.	**Production system**		**Irrigated Medium land**
vii.	**Micro farming system**		**Vegetable - Vegetable**
viii.	**Technology for Testing**		**Cultivation of onion varieties**
ix.	**Existing Practice**		**Cultivation of onion variety ALR**
x.	**Hypothesis**		**Cultivation of onion variety A. Niketan have good storability for 5 months under room temperature.**
xi.	**Objective(s)**		To increase production & post harvest life
xii.	**Treatments**		
	a)	Farmers Practice (FP)	**Cultivation of Onion variety ALR**
	b)	Technology option-I (TO_1)	**Cultivation of Onion variety ADR**
	c)	Technology option-I (TO_1)	**Vegetable (Runner Bean – Carrot - Green peas - Summer tomato) 1:1 with Banana, Papaya, Drum stick in border + Vermi composting+ Mushroom**
xiii.	**Critical Inputs**		Seeds, seedling treatment materials
xiv.	**Unit Size**		0.4 ha
xv.	**Total Cost**		10000
xvi.	**Monitoring Indicator**		**Plant height (cm); Single bulb weight (gm), Yield (q/ha), Net return (Rs/ha), B:C ratio**
xvii.	**Source of Technology**		***ICAR-IIHR***

OFT-6

Sl. No.	**Particulars**		**Details**
i.	**Season**		**Kharif, 2022**
ii.	**Title of the OFT**		**Assessment of sweet corn variety for higher profitability**
iii.	**Thematic Area**		**Varietal evolution**
iv.	**Problem diagnosed**		**Low market price of maize and opportunity for diversification through sweet corn**
v.	**Important Cause**		**Crop diversification from maize to sweet corn**
vi.	**Production system**		**Rain-fed Upland and medium land**
vii.	**Micro farming system**		**Rice- vegetables**
viii.	**Technology for Testing**		**New varieties of sweet corn for higher profitability**
ix.	**Existing Practice**		**Cultivation of locally available sweet corn**
x.	**Hypothesis**		**Crop diversification from maize to sweet corn will enhance the profitability of the farmer**
xi.	**Objective(s)**		**To increase profitability by inducing sweet corn varieties**
xii.	**Treatments**		
	a)	Farmers Practice (FP)	**Cultivation of locally available sweet corn (Sugar 75**

	b)	Technology option-I (TO_1)	**Sweet corn var.- VL Sweet corn 1 (FSCH18)**
	c)	Technology option-II (TO_2)	**Sweet corn var. - Pusa Super Sweet corn-1**
xiii.	**Critical Inputs**		**Sweet corn seeds**
xiv.	**Unit Size**		**0.4 ha**
xv.	**No of Replications**		**7**
xvi.	**Total Cost**		**5,000/-**
xvii.	**Monitoring Indicator**		**Plant height (cm); No. of grains/cob; Cob length (cm) and Cob weight (gm)**
xviii.	**Source of Technology**		**VPKAS, Almora,2016 and IARI,2018-19**

OFT-7

Sl. No.	**Particulars**		**Details**
xviii.	**Season**		Kharif, 2022
xix.	**Title of the OFT**		Assessment of Integrated weed management in direct seeded rice
xx.	**Thematic Area**		weed management
xxi.	**Problem diagnosed**		**Low productivity due to higher weed infestation in direct seeded rice, labour intensive**
xxii.	**Important Cause**		2500 ha, High, Yield Gap : 25 – 40 %
xxiii.	**Production system**		**Rain-fed Upland and medium land**
xxiv.	**Micro farming system**		**Rice- vegetables**
xxv.	**Technology for Testing**		Different weed management practices for direct seeded rice
xxvi.	**Existing Practice**		2 hand weeding at 30 and 45 DAS
xxvii.	**Hypothesis**		Suitable weed management practices will increase crop productivity, save mandays and decreases weed flora
xxviii.	**Objective(s)**		To increase the productivity of direct seeded rice by adopting suitable weed management practice and to decreases the weed density
xxix.	**Treatments**		
	a)	Farmers Practice (FP)	One manual weeding at 45 DAS
	b)	Technology option-I (TO_1)	Application of pyrazosulfuron @ 20 g/ha as pre-emergence stage i.e., 0-3 DAS followed by Bispyribac sodium @ 25 g/ha as post-emergence i.e. 25 DAS
	c)	Technology option-II (TO_2)	Pre-emergence application of Pendimethalin @ 1000 g/ ha followed by Bispyribac-Na @ 25 g/ ha with one hand weeding at 45 DAS
xxx.	**Critical Inputs**		pyrazosulfuron, Bispyribac sodium and Pendimethalin
xxxi.	**Unit Size**		0.4 ha
xxxii.	**Total Cost**		5,000/-
xxxiii.	**Monitoring Indicator**		**Plant height (cm), No. of tillers/hill, weed density/ m2**
xxxiv.	**Source of Technology**		**AICRP on weed management, 2014**

OFT-8

1	**Season:**	**Kharif, 2022**
2	**Title of the OFT:**	**Assessment of in-situ soil moisture conservation methods in tomato-radish sequence**
3	**Thematic Area**	**Soil moisture conservation**
4	**Problem diagnosed:**	**Due to less moisture, another crop can not be taken after tomato leading to less income/unit area**
5	**Important Cause:**	
6	**Production system:**	**Rain-fed Upland**
7	**Micro farming system:**	**Tomato– Falllow**
8	**Technology for Testing:**	**in-situ soil moisture conservation for increasing productivity**

9	**Existing Practice:**	**Ridge and furrow method (Sole tomato crop)**
10	**Hypothesis:**	**Due to residual soil moisture that is conserved by organic mulching of 5 t/ha (mulch available locally is used) helps in doing one more crop consequently increasing the productivity and income.**
11	**Objective(s):**	**To increase the productivity by doing two crops consecutively with the help of soil moisture conservation**
12	**Treatments:**	
a	**Farmers Practice (FP)**	**Ridge and furrow method (Sole tomato crop)**
b	**Technology option-I (TO_1)**	**Ridge and furrow method with organic mulch (T-R)**
c	**Technology option-II (TO_2)**	**Broad bed furrow method (T-R)**
d	**Technology option-III (TO_3)**	**Broad bed furrow method with organic mulch (T-R)**
13	**Critical Inputs:**	**Tomato seedling and radish seeds**
14	**Unit Size:**	**0.08 ha**
15	**No of Replications:**	**05**
16	**Unit Cost:**	**1200.00**
17	**Total Cost:**	**6000.00**
18	**Monitoring Indicator:**	**Yield (q/ha), Moisture content (%), Growth parameters, Plt ht (cm), no of fruits/plt (nos.), wt. of fruits/plt(kg)**
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**AICRP on Dryland Agriculture, Annual Report, 2017-18**

OFT-9

1	**Season:**	**Kharif, 2022**
2	**Title of the OFT:**	**Assessment of 4 row walk behind rice transplanter in Kharif**
3	**Thematic Area**	**Drudgery reduction**
4	**Problem diagnosed:**	**high labour cost and time involved in manal transplanting**
5	**Important Cause:**	**22000 ha, High**
6	**Production system:**	**Rainfed mediun land**
7	**Micro farming system:**	**Rice-Vegetable**
8	**Technology for Testing:**	**4 row walk behind rice transplanter for minimising labour cost and drudgery reduction**
9	**Existing Practice:**	**Manual transplanting**
10	**Hypothesis:**	**Suitable for line transplanting under medium land condition. Spacing – 23.8cm x 14/16/18 cm , Field capacity – 0.15ha/h**
11	**Objective(s):**	**minimising labour cost and drudgery reduction**
12	**Treatments:**	
a	**FP**	**Manual transplanting**

b	**TO_1**	**Manual line Transplanting with the help of rope and guide**
c	**TO_2**	**Transplanting by 8 row self propelled rice transplanter**
13	**Critical Inputs:**	**Transplanter, Polythene, Fuel**
14	**Unit Size:**	**0.057 ha**
15	**No of Replications:**	**07**
16	**Unit Cost:**	**1200.00**
17	**Total Cost:**	**6000.00**
18	**Monitoring Indicator:**	**Seed Requirement(Kg/ha), Field Capacity(ha/h), Labour Requirement (man days/ha), cost of transplanting (Rs/ha), No. of seedlings/hill, No. of tillers/plant**
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**AICRP on FIM, CAET, OUAT, 2015-16**

OFT-10

1	**Season:**	**Rabi, 2022-23**
2	**Title of the OFT:**	**Assessment of different value-added products from green mango**
3	**Thematic Area**	**Value addition**
4	**Problem diagnosed:**	**Immature fruit drop of mango due to Kala Baisakhi leads to less market price**
5	**Important Cause:**	**Distress selling**
6	**Production system:**	**Rain-fed Upland**
7	**Micro farming system:**	
8	**Technology for Testing:**	**Value addition**
9	**Existing Practice:**	**Direct selling**
10	**Hypothesis:**	▪ **It helps in converting inputs into products** ▪ **It increases marketing and sales** ▪ **It increases shelf life**
11	**Objective(s):**	**Income generation**
12	**Treatments:**	
a	**Farmers Practice (FP)**	**Direct selling**
b	**Technology option-I (TO_1)**	**Mango split- Washing and peeling the mango, then cutting into sliced, dipping in 2% salt solution for an hour and then spreading the slice inside sun drying**
c	**Technology option-II (TO_2)**	**Amchoor powder -Drying of mango in solar dryer by washing and peeling the mango, then cutting into sliced, dipping in 2% salt solution for an hour and dipping in 2000 ppm so2 solution for 2 hour and then spreading the slice inside sun drying and then grind**
13	**Critical Inputs:**	**Salt solution, Sulphur dioxide solution**
14	**Unit Size:**	**7**
15	**No of Replications:**	**2**
16	**Unit Cost:**	**100**
17	**Total Cost:**	**700**

18	**Monitoring Indicator:**	**Conversion ratio, Shelf life (month), sensory evaluation, Cost of Input (Rs) Incremental income (Rs), Net income (Rs), BC ratio**
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**PHT centre, TNAU. Coimbatore**

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.	**Biotech KISAN**	**2700000**
2.	**ATMA Kandhama**	**80000**
3.		

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

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
21.01.2022	**20.01.23**

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	750	750	750	750	750	750	750	750	750	750	25	1000
Water Samples	15	2	3	5	2	2	1	9	6	15	10	
Other (Please specify)												
Total	765	27	18	520	87	92	21	639	126	765		

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.01.2022	Expected fund requirement (Rs.) during 2022-23
Pay & Allowances	7165215	**9800000**
Traveling allowances	82500	**110000**
HRD	0	**30000**

Contingencies	1277000	**2000000**
Library(purchase of journal etc)	0	**10000**
Total	**8524715**	**11950000**

* Any additional requirement may be suitably justified.