ACTION PLAN
(January 2022 to December 2022)



Krishi Vigyan Kendra, Angul, Odisha
Zone-V (ICAR-ATARI, Kolkata)


Odisha University of Agriculture & Technology, Bhubaneswar

REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK: KVK, Angul

Address	Telephone		E mail
At: Panchamahala P.O: Hulurisingha District: Angul PIN: 759132 Odisha	-	---	kvkangul.ouat@gmail.com

2.Name of host organization :

Address	Telephone		E mail
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Odisha University of Agriculture & Technology	0674-2397424	0674-2397818	registrarouat@gmail.com

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

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Integrated Crop Management	Post-harvest technique in medium land rice	01	01	Off	06.01.2022	00	00	00	00	24	01	24	01	25
Integrated Crop Management	Integrated nutrient management in groundnut	01	01	Off	15.01.2022	01	00	00	00	24	00	25	00	25
Integrated Crop Management	Integrated weed management in mustard	01	01	Off	31.01.2022	00	00	00	00	21	04	21	04	25
Soil fertility management	Nutrient management based on Soil Health card	01	01	Off	25.02.2022	01	01	01	00	15	07	17	08	25
Water management	Water management in major oilseeds	01	01	Off	25.03. 2022	04	01	00	00	18	02	22	03	25
Integrated Crop Management	Contingent crop planning for different types of drought situation	01	02	On	16.06.2022 to 17.06.2022	01	02	01	00	13	08	15	10	25
Integrated Crop Management	Integrated weed management in maize	01	01	Off	16.07.2022	05	01	01	01	16	01	22	03	25

Production and use of organic inputs	Vermi composting and its use in agriculture	01	02	On	25.08.2022 to 26.08.2022	01	02	01	00	13	08	15	10	25
Cropping system	Improved method of cultivation of *rabi* pulses under residual soil moisture in rice-fallow situation	01	01	Off	21.09.2022	02	01	01	00	14	07	17	08	25
Integrated Crop Management	Integrated nutrient management in blackgram	01	01	Off	27.10.2022	05	01	01	01	16	01	22	03	25
Micro nutrient deficiency in crops	Deficiency symptoms of micronutrients in pulses	01	01	Off	17.11.2022	01	02	01	00	14	07	16	09	25
Integrated Crop Management	Integrated nutrient management in sunflower	01	01	Off	14.12.2022	02	01	01	01	19	01	22	03	25
Value addition	Preparation of value added products from jackfruit	01	01	On	04.05.2022	00	04	00	02	00	19	00	25	25
Income generation activities for empowerment of rural Women	Humidity management in paddy straw mushroom cultivation	01	01	Off	17.05.2022	00	02	00	00	00	23	00	25	25
Household food security by kitchen gardening and nutrition gardening	Nutritional gardening for rural farm women	01	01	Off	22.06.2022	00	04	00	01	00	20	00	25	25
Income generation activities for empowerment of rural Women	Vermicompost production by using spent mushroom substrate	01	02	On	20.07.2022 to 21.07.2022	00	03	00	02	00	20	00	25	25
Location specific drudgery reduction technologies	Drudgery reduction by using mini dal mill	01	01	Off	06.08.2022	00	02	00	00	00	23	00	25	25
Design and development of low/minimum cost diet	Preparation of low cost nutritious recipes from locally available foods.	01	01	Off	08.09.2022	00	06	00	00	00	19	00	25	25
Storage loss minimization techniques	Storage loss minimization techniques in cereals and pulses	01	01	Off	28.09.2022	00	03	00	03	00	19	00	25	25
Location specific drudgery reduction technologies	Drudgery reduction by using finger millet thresher	01	01	Off	26.10.2022	00	05	00	02	00	20	00	25	25
Value addition	Value added products from Tomato	01	01	Off	10.11.2022	00	03	00	00	00	22	00	25	25
Income generation activities for empowerment of rural Women	Scientific management practices in marigold cultivation	01	02	On	15.12.2022 to 16.12.2022	00	03	00	02	00	20	00	25	25
Integrated Pest Management	Need based safe use of pesticides	01	01	Off	04.01.2022	13	04	00	00	04	00	17	08	25

Integrated Pest Management	Management of insect pests of cole crops	1	01	Off	06.01.2022	03	04	00	00	11	07	14	11	25
Integrated Pest Management	Management practices of insect pests of cashew	1	01	Off	10.01.2022	00	00	00	00	25	00	25	00	25
Integrated Disease Management	Management of major diseases in pulses	1	02	Off	24.02.2022	05	00	00	00	10	10	15	10	25
Bio-control of pests and diseases	Pest and diseases management strategies in organic vegetable production system	01	02	On	02.03.2022 to 03.03.2022	02	01	00	00	16	06	18	07	25
Integrated Pest Management	Management of different insect pests of mango	01	01	Off	17.03.2022	00	00	00	00	18	07	18	07	25
Integrated Pest & Disease Management	Management of major pests & diseases in Banana & Papaya	01	02	On	08.06.2022 to 09.06.2022	02	01	00	00	16	06	18	07	25
Integrated Pest & Disease Management	Management of major pests & diseases in cucurbits	01	01	Off	17.06.2022	03	01	00	00	18	03	21	04	25
Production of Bio-control agents and Bio-pesticides	Preparation of procedures of neem based pesticides	01	01	On	28.6.2022	00	06	00	00	17	02	17	08	25
Integrated Pest & Disease Management	IPDM in nurseries during Kharif season	01	02	On	08.07.2022 to 09.07.2022	05	0	0	0	10	10	15	10	25
Integrated Pest Management	Management practices for major insect pests of Maize	01	01	Off	05.8.2022	02	00	00	00	16	07	18	07	25
Integrated Disease Management	Management of different diseases in chilli	01	01	Off	22.8.2022	02	06	00	00	12	05	14	11	25
Integrated Pest Management	Integrated pest management practices for Kharif Paddy	01	01	Off	15.9.2022	05	00	00	00	10	10	15	10	25
Integrated Pest & Disease Management	Management of major pests & diseases in Oilseeds	01	02	Off	06.10.2022	05	0	0	0	10	10	15	10	25
Integrated Pest & Disease Management	Management of different pests & diseases in solanaceous crops	01	02	Off	15.11.2022	02	06	0	0	12	05	14	11	25
Feed management	New trends of feeding for improving livestock productivity	01	01	Off	11.01.2022	02	00	01	00	22	00	25	00	25
Dairy management	Care and management of heifers	01	01	Off	27.01.2022	02	00	01	00	22	00	25	00	25
Poultry Management	Complete documentation and record keeping in poultry farming	01	01	Off	17.02.2022	00	24	00	00	00	01	00	25	25
Goat farming	Feeding and health management in goats	01	01	Off	23.02.2022	00	00	13	09	03	00	16	9	25
Dairy management	Improved dairy farming with entrepreneurship skills	01	03	On	02.03.2022 to 04.03.2022	00	00	00	00	25	15	25	15	40
Poultry Management	Small scale layer poultry farming for higher income per unit area	01	03	On	14.03.2022 to 16.03.2022	00	00	00	00	25	15	25	15	40
Goat farming	Improving livelihood through goat farming with scientific management practices	01	03	On	21.03.2022 to 23.03.2022	00	00	00	00	25	15	25	15	40
Feed management	Fodder production for livestock feed management	01	03	On	07.03.2022 to 09.03.2022	00	00	00	00	25	15	25	15	40

Disease management	Important diseases in livestock and their management	01	03	On	10.03.2022 to 12.03.2022	00	00	00	00	25	15	25	15	40
Production of quality animal products	Clean milk production	01	01	Off	28.02.2022	00	14	00	00	00	11	00	25	25
Dairy Management	Repeat breeding and anestrous management in dairy animals	01	01	Off	24.03.2022	00	00	00	00	12	13	12	13	25
Poultry Management	Management of heat and cold stress in poultry	01	01	Off	25.03.2022	02	00	01	00	22	00	25	00	25
Poultry Management	Poultry vaccines and methods of vaccination	01	01	Off	05.05.2022	02	00	01	00	22	00	25	00	25
Poultry Management	Backyard duck farming	01	01	Off	20.06.2022	02	00	01	00	22	00	25	00	25
Disease management	Common diseases in poultry and its prevention	01	01	Off	13.07.2022	02	00	01	00	22	00	25	00	25
Value addition	Societal importance of NTFPs and their applications	01	02	On	06.01.2022	06	01	04	02	08	02	18	07	25
Agroforestry management	Importance of cash crops in agro-forestry	01	01	Off	28.01.2022	05	02	00	01	15	02	20	05	25
Income Generation	Commercial medicinal plants for income generation	01	01	On	17.02.2022	08	04	07	01	03	02	18	07	25
Agroforestry management	Cultivation of spices in tree plantation	01	01	Off	04.03.2022	05	01	00	01	16	02	21	04	25
Agroforestry management	Preparation and management of Horti-silvi Agroforestry model	01	02	On	17.06.2022	04	01	01	01	15	03	20	05	25
Propagation management	Propagation techniques of important forest trees	01	01	On	28.06.2022	06	01	04	02	08	02	18	07	25
Nursery management	Management of aromatic plants in the nursery	01	01	On	06.07.2022	05	02	00	01	15	02	20	05	25
Integrated Farming System	Silvicultural operations in fruit based Agroforestry model	01	01	Off	04.08.2022	08	04	07	01	03	02	18	07	25
Agroforestry management	Management of bund plantation of tree species	01	01	Off	23.08.2022	05	01	00	01	16	02	21	04	25
Production technologies	Management of bamboo harvesting in the forest	01	01	Off	14.09.2022	06	03	03	01	04	08	13	12	25
Tree management	Plantation of tree crops and their interaction studies	01	01	Off	12.10.2022	06	01	01	01	13	03	20	05	25
Agroforestry management	Agroforestry practices for soil conservation	01	01	Off	06.11.2022	05	01	00	01	16	02	21	04	25
Portable plastic carp hatchery	Role of FRP carp hatchery for fish seed production	01	01	Off	15.06.2022	01	02	01	01	07	13	09	16	25
Carp fry and fingerling rearing	Pre-stocking management practices for fry & fingerling production	01	01	Off	22.06.2022	01	02	01	01	07	13	09	16	25
Production Management	Scientific culture technique for Jayanti rohu fish farming	01	01	Off	19.07.2022	01	02	01	01	07	13	09	16	25
Pen culture of fish and prawn	Significance of Pen culture technique for augmentation of fish yield	01	01	Off	09.08.2022	01	02	01	01	07	13	09	16	25

Production Management	Stunted yearling production technique	01	01	Off	17.08.2022	01	02	01	01	07	13	09	16	25
Production Management	Culture of Monosex Nile Tilapia & its scientific management	01	01	Off	08.09.2022	01	02	01	01	07	13	09	16	25
Production Management	Biology & culture method of Singhi fish	01	01	Off	26.10.2022	01	02	01	01	07	13	09	16	25
Composite fish culture & fish disease	Diagnosis of fish diseases and their control	01	01	Off	09.12.2022	01	02	01	01	07	13	09	16	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
Seed production	Seed multiplication in pulses	01	02	On	18.02.2022 to 19.02.2022	02	02	00	00	8	03	10	05	15
Integrated farming system	Sustainable production, farm income and nutritional security through IFS	01	03	On	08.09.2022 to 09.09.2022	03	02	00	00	8	02	11	04	15
Enterprise Development	Mushroom spawn production techniques	01	02	On	09.08.2022 to 10.08.2022	01	02	01	02	4	05	06	09	15
Income generation activities for empowerment of rural Women	Preparation of value added products from Oyster mushroom cultivation by different substrate	01	02	On	24.11.2022 to 25.11.2022	00	03	00	00	0	12	00	15	15
Value addition	Women empowerment through processing and value addition of fruits and vegetables	01	04	On	18.02.2022 to 21.02..2022	00	02	00	00	0	08	00	10	10
Production of Biocontrol agents and Biopesticides	Preparation procedures of different bio-pesticides	01	02	On	12.10.2022 to 13.10.2022	03	03	02	00	4	03	09	06	15
Integrated Pest Management	Specific use of different kinds of traps and its use in pest management	01	02	On	24.02.2022 to 25.02.2022	01	01	00	00	10	03	11	04	15
Bio-control of Pests and Diseases	Application of bio-control agents for managing various pests & diseases	01	02	On	15.03.2022 to 16.03.2022	02	01	03	00	6	03	11	04	15
Bee keeping	Methods of scientific bee keeping	01	04	On	20.12.2022 to 23.12.2022	00	00	00	00	08	02	08	02	10
Feed management	Hydroponic fodder cultivation for livestock feed management	01	02	On	14.02.2022 to 15.02.2022	00	01	00	00	10	04	10	05	15
Poultry Production	Layer poultry farming	01	05	On	27.03.2022 to 31.03.2022	01	01	01	01	6	00	08	02	10
Poultry Production	Hatchery management in poultry	01	02	On	14.10.2022 to 15.10.2022	00	00	00	00	9	06	09	06	15
Nursery management	Identification of different aromatic plants and their management	01	02	On	20.07.2022 to 21.07.2022	08	00	01	00	6	00	15	00	15
Agroforestry management	Management of cultivation practices of different agroforestry models	01	02	On	22.09.2022 to 23.09.2022	05	00	01	00	9	00	15	00	15

Production Management	Role of Minor carp Species for yield enhancement	01	02	On	19.09.2022 to 20.09.2022	00	01	00	01	08	05	08	07	15
Breeding and culture of ornamental fishes	Ornamental fish production & Aquarium Preparation techniques for women empowerment	01	05	On	25.07.2022 to 29.07.2022	00	00	00	00	00	10	00	10	10

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop intensification	Agro-adaptations to climate change for enhancing productivity in rice based cropping system	01	02	On	22.02. 2022	02	01	00	00	10	02	12	03	15
Production and use of organic inputs	Bio fertilisers and their use in agriculture for better soil health and enhancing crop productivity	01	02	On	16.11. 2022	03	02	00	00	08	02	11	04	15
Location specific drudgery reduction technologies	Drudgery reduction of farm women through women friendly implements	01	01	On	16.09.2022	00	03	00	00	00	00	00	12	15
Household nutrition security	Preparation of Nutri-guide for different age groups	01	02	On	15.03.2022	00	03	00	00	00	00	00	12	15
Integrated pest management	Integrated pest management practices in field crops	01	02	On	17.11.2022	01	00	00	00	09	05	10	05	15
Integrated disease management	Integrated disease management for different vegetable crops	01	02	On	20.08.2022	00	03	01	01	03	07	04	11	15
Disease diagnosis	Haematological examination in domestic animals and its importance	01	01	On	28.02.2022	01	01	04	00	07	02	12	03	15
Disease diagnosis	Post-mortem examination of domestic animals and birds for diagnosis	01	02	On	13.09.2022	02	00	00	00	09	04	11	04	15
Tree management	Tree management in agroforestry system	01	02	On	26.10.2022	04	00	01	00	10	00	15	00	15
Production Management	Recent advances in Aquaculture Technologies	01	02	On	24.11.2022	00	00	00	00	05	05	05	05	10

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems	01	02	01	03	01	00	01	14	07	21	17	08	25
Crop Diversification													
Integrated Farming													
Water management	01	04	01	05	00	00	00	18	02	20	22	03	25
Seed production													
Nursery management													
Integrated Crop Management	07	14	05	19	04	03	07	133	16	149	151	24	175
Fodder production													
Production & use of organic inputs	01	01	02	03	01	00	01	13	08	22	15	10	25
Others, (cultivation of crops)													
TOTAL	**10**	**21**	**09**	**30**	**06**	**03**	**09**	**178**	**33**	**212**	**205**	**45**	**250**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													

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
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	01	01	01	02	01	00	01	15	07	22	17	08	25
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	01	01	02	03	01	00	01	14	07	21	16	09	25
Nutrient Use Efficiency													
Soil and Water Testing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL	**02**	**02**	**03**	**05**	**02**	**00**	**02**	**29**	**14**	**43**	**33**	**17**	**50**
IV. Livestock Production and Management													
Dairy Management	03	02	00	02	01	00	01	59	28	87	62	28	90
Poultry Management	05	06	24	30	03	00	03	91	16	107	100	40	140
Piggery Management													
Rabbit Management													
Disease Management	02	02	00	02	01	00	01	47	15	62	50	15	65
Feed management	02	02	00	02	01	00	01	47	15	62	50	15	65
Production of quality animal products	01	00	14	14	00	00	00	00	11	11	00	25	25
Others, if any (Goat farming)	02	00	00	00	13	09	22	28	15	43	41	24	65
TOTAL	**15**	**12**	**38**	**50**	**19**	**09**	**28**	**272**	**100**	**372**	**303**	**147**	**450**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	01	00	00	00	00	00	00	00	25	25	00	25	25
Design and development of low/minimum cost diet	01	00	00	00	00	00	00	00	25	25	00	25	25
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques	01	00	00	00	00	00	00	00	25	25	00	25	25
Enterprise development													
Value addition	02	00	00	00	00	00	00	00	50	50	00	50	50
Income generation activities for empowerment of rural Women	03	00	00	00	00	00	00	00	75	75	00	75	75
Location specific drudgery reduction technologies	02	00	00	00	00	00	00	00	50	50	00	50	50
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL	**10**	**00**	**00**	**00**	**00**	**00**	**00**	**00**	**250**	**250**	**00**	**250**	**250**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													

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
VII. Plant Protection													
Integrated Pest Management	07	32	32	64	02	00	02	83	26	109	117	58	175
Integrated Disease Management	07	24	14	38	00	00	00	88	49	137	112	63	175
Bio-control of pests and diseases	01	02	01	03	00	00	00	16	06	22	18	07	25
Production of bio control agents and bio pesticides	01	01	02	03	00	00	00	17	05	22	18	07	25
Others, if any													
TOTAL	**16**	**59**	**49**	**108**	**02**	**00**	**02**	**204**	**86**	**290**	**265**	**135**	**400**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing	01	01	02	03	01	01	02	07	13	20	09	16	25
Composite fish culture & fish disease	01	01	02	03	01	01	02	07	13	20	09	16	25
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	01	01	02	03	01	01	02	07	13	20	09	16	25
Pen culture of fish and prawn	01	01	02	03	01	01	02	07	13	20	09	16	25
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
Scientific culture technique for Jayanti rohu fish farming	01	01	02	03	01	01	02	07	13	20	09	16	25
Stunted yearling production technique	01	01	02	03	01	01	02	07	13	20	09	16	25
Culture of Monosex Nile Tilapia & its scientific management	01	01	02	03	01	01	02	07	13	20	09	16	25
Biology & culture method of Singhi fish	01	01	02	03	01	01	02	07	13	20	09	16	25
TOTAL	**08**	**08**	**16**	**24**	**08**	**08**	**16**	**56**	**104**	**160**	**72**	**128**	**200**
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													

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 Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies	01	06	03	09	03	01	04	04	08	12	13	12	25
Nursery management	01	05	02	07	00	01	01	15	02	17	20	05	25
Agro Forestry Management	05	24	06	30	01	05	06	78	11	89	103	22	125
Propagation methodology	01	06	01	07	04	02	06	08	02	10	18	07	25
Tree management	01	06	01	07	01	01	02	13	03	16	20	05	25
Integrated Farming Systems	01	08	04	12	07	01	08	03	02	05	18	07	25
Income generation	01	08	04	12	07	01	08	03	02	05	18	07	25
Value addition	01	06	01	07	04	02	06	08	02	10	18	07	25
TOTAL	**12**	**69**	**22**	**91**	**27**	**14**	**41**	**132**	**32**	**164**	**228**	**72**	**300**
XII. Others (Pl. Specify)													
TOTAL	**73**	**171**	**137**	**308**	**64**	**34**	**98**	**871**	**619**	**1491**	**1106**	**794**	**1900**

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	01	00	00	00	00	00	00	08	02	10	08	02	10
Integrated farming	01	03	02	05	00	00	00	08	02	10	11	04	15
Integrated pest management	01	01	01	02	00	00	00	10	03	10	11	04	15
Seed production	01	02	02	04	00	00	00	08	03	11	10	05	15
Production of organic inputs													
Production of Bio-control agents and Bio-pesticides	01	03	03	06	02	00	02	04	03	07	09	06	15
Planting material production													
Vermi-culture													

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
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	02	00	05	05	00	00	00	00	20	20	00	25	25
Production of quality animal products													
Dairying	01	00	01	01	00	00	00	10	04	14	10	05	15
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	02	01	01	02	01	01	02	15	06	21	17	08	25
Ornamental fisheries	01	00	00	00	00	00	00	00	10	10	00	10	10
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													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	01	01	02	03	01	02	03	04	05	06	09	15	15
Nursery management	01	08	00	09	01	00	01	06	00	06	15	00	15
Agroforestry management	01	05	00	05	01	00	01	09	00	09	15	00	15
Others if any (ICT application in agriculture)													
Role of Minor carp Species for yield enhancement	01	00	01	01	00	01	01	08	05	13	08	07	15
TOTAL	**15**	**24**	**18**	**43**	**06**	**04**	**10**	**90**	**63**	**147**	**123**	**91**	**205**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	01	01	00	01	00	00	00	09	05	14	10	05	15
Integrated Disease Management	01	00	03	03	01	01	02	03	07	10	04	11	15
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security	01	00	00	00	00	00	00	00	00	00	00	15	15
Location specific drudgery reduction technologies	01	00	03	03	00	00	00	00	12	12	00	15	15
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	01	03	02	05	00	00	00	08	02	10	11	04	15
Gender mainstreaming through SHGs													
Crop intensification	01	02	01	03	00	00	00	10	02	12	12	03	15
Tree management	01	04	00	04	01	00	01	10	00	10	15	00	15
Others if any (Disease diagnosis)	02	03	01	04	04	00	04	16	06	22	23	07	30
Role of Minor carp Species for yield enhancement													
Recent advances in Aquaculture Technologies	01	00	00	00	00	00	00	05	05	10	05	05	10
TOTAL	**10**	**13**	**10**	**23**	**06**	**01**	**07**	**61**	**39**	**100**	**80**	**65**	**145**

4. Frontline demonstration to be conducted*

Crop : Rice
Thrust Area : Low yield in rainfed medium land transplanted rice due to use of old variety
Thematic Area : Varietal evaluation
Season : *Kharif* 2022
Farming Situation : Red loam with medium rainfall

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.	Rice Maudamani (CR DHAN 307)	1.0	Cultivation of HYV rice Maudamani (CR DHAN 307) in rainfed medium land situation	Plant height, EBT/ plant, Grains/ panicle, 1000 seed weight and grain yield	Seed	1500	1000	01	02	00	00	05	02	06	04	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day		01	F/FW	01	Off	08	02	02	00	32	06	42	08	50
Training programme	Post-harvest technique in medium land rice	01	F/FW	01	Off	01	02	01	00	13	08	15	10	25

Crop : Rice-greengram
Thrust Area : Low farm income due to non-utilization of residual soil moisture in rainfed rice-fallow situation after harvest of rice
Thematic Area : Crop Diversification
Season : *Kharif* 2022
Farming Situation : Black soil with medium rainfall

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.	Rice-greengram (Durga)	4.0	Cultivation of greengram under residual soil moisture in rainfed rice-fallow situation after harvest of rice	No of branches/plant, No of pods/plant, No of seeds/pod, 100 grain weight and grain yield	Seed (Green-gram)	4400	-	01	02	00	00	05	02	06	04	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day		01	F/FW	01	Off	08	02	02	00	32	06	42	08	50
Training programme	Improved method of cultivation of *rabi* pulses under residual soil moisture in rice-fallow situation	01	F/FW	01	Off	02	01	01	00	14	07	17	08	25

Crop : Blackgram
Thrust Area : Low yield in blackgram due to improper nutrient management
Thematic Area : Integrated nutrient management
Season : *Rabi* 2022-23
Farming Situation : Black soil with low rainfall

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.	Blackgram (PU 10)	1.0	Application of RDF (20:40:20 kg N:P_2O_5: K_2O/ha) + Seed treatment with Rhizobium @ 20 gm/kg seed + application of PSB @ 4 kg/ha + spraying Boron @ 0.02% at flower initiation stage	Plant height, No of branches/ plant, No of pods/plant, No of seeds/pod, 100 seed weight and pod yield	Micronutrient (Boron)	1500	-	02	01	00	00	05	02	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
Field Day		01	F/FW	01	Off	08	02	02	00	32	06	42	08	50
Training programme	Integrated nutrient management in blackgram	01	F/FW	01	Off	05	01	01	01	16	01	22	03	25

Crop : Sunflower
Thrust Area : Low yield in sunflower due to improper nutrient management
Thematic Area : Integrated nutrient management
Season : *Rabi* 2022-23
Farming Situation : Red loam with medium rainfall

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	1.0	Application of RDF (60:80:60 kg N:P_2O_5:K_2O/ha) + Bio-fertilizers (Azotobacter + Azospirullum + PSB @ 4 kg each/ha) + Boron @ 0.02% + Sulphur @ 40 kg/ha	Plant height, Head diameter, Head weight, No of seeds/head, 1000 seed weight and seed yield	Micronutrients	6000	00	02	01	00	00	05	02	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
Field Day		01	F/FW	01	Off	08	02	02	00	32	06	42	08	50
Training programme	Integrated nutrient management in sunflower	01	F/FW	01	Off	02	01	01	01	19	01	22	03	25

Crop/Enterprise : Paddy-straw mushroom
Thrust Area : Income Generation
Thematic Area : Income generation activities for empowerment of rural Women
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
5.	Enterprise	10 nos.	Vermi compost production by using spent mushroom substrate Partial (decomposition for 30 days with cow dung by use of *Eisenia foetida* species of earthworm @2kg for 2qtl dry bio-waste and testing of primary nutrient content of compost)	Kg/tank, N:P:K analysis	Vermibed	14000	1200	00	02	00	00	00	08	00	00	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day		01	Farm-women	01	Off	00	08	00	02	00	40	00	50	50
Training	Humidity management in paddy straw mushroom cultivation	01	Farm-women	01	Off	00	02	00	01	00	22	00	25	25

Crop/Enterprise : Mini Dal Mill
Thrust Area : Drudgery Reduction
Thematic Area : Location specific drudgery reducing technologies
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
6.	Enterprise	10 nos	Processing by mini Dal mill, operated by 1hp single motor, capacity 30 kg/hr		Mini dal mill	-	-	00	02	00	00	00	08	00	00	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day		01	Farm-women	01	Off	00	08	00	02	00	40	00	50	50
Training	Drudgery reduction by using mini dal mill	01	Farm-women	01	Off	00	02	00	01	00	22	00	25	25

Crop/Enterprise : Demonstration on Jackfruit wafers to minimize wastage in peak season
Thrust Area : Value addition of fruits and vegetables
Thematic Area : Value addition
Season : *Rabi* 2021
Farming Situation : Home stead

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.	Enterprise	10 nos.	Preparation of Jackfruit wafers (Preparation of jackfruit wafers in solar dryer by dipping the slices in brine solution for 5 mins for color retention and keep inside the solar dryer for 24 -30 hrs	Sensory Evaluation Keeping quality (Month) B:C Ratio Additional income (%)	Solar dryer	2,000	-	00	02	00	00	00	08	00	00	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Jackfruit wafers to minimize wastage in Peak season	01	Farm women	01	Off	00	08	00	02	00	40	00	50	50
Training	Demonstration On Jackfruit wafers to minimize wastage in Peak season	01	Farm women	01	Off	00	02	00	01	00	22	00	25	25

Crop/Enterprise : Demonstration on sweet potato and pulse flour fortified noodles
Thrust Area : Value addition
Thematic Area : Value addition
Season : *Rabi* 2021
Farming Situation : Home stead

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.	Enterprise	10 nos.	Sweet potato and pulse flour fortified noodles. (Mixing + steaming + cooling + drying + addition of salt and water+ kneading+ extrusion+ steaming + drying 60^0c for 2hrs)	Sensory Evaluation Keeping quality (Month) B:C Ratio Additional income (%)	Noodles making machine (manual)	10,000	1,500	00	02	00	00	00	08	00	00	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Sweet potato and pulse flour fortified noodles	01	FW	01	Off	00	08	00	02	00	40	00	50	50
Training	Demonstration on sweet potato and pulse flour fortified noodles	01	FW	01	Off	00	02	00	01	00	22	00	25	25

Enterprise : Poultry
Thrust Area : Reduction in mortality of chicks during brooding by proper brooding management.
Thematic Area : Poultry Management
Season : *Rabi* 2022-23
Farming Situation : Poultry based 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
9.	Poultry	5 no	**Demonstration on artificial brooding management in chicks (**Brooding management for 21 days with floor space of 0.3 sqft/bird with help of chick guards, artificial heat @ 1-3 watt per chick, feeders and drinkers @ 1 each per 50 chicks, vaccination against RD on 7th day, 28th day, IBD on 14th day . Use of electrolytes, preventive antibiotics during brooding**)**	Chick mortality rate during brooding period, body weight at 21 days, survivability of birds till start of laying	Chick guard	Rs.1350/- per unit	-	00	00	00	00	04	01	04	01	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Enterprise : Goatery
Thrust Area : Reduction in kid mortality by providing supplementary feeding
Thematic Area : Goat farming
Season : *Rabi* 2022
Farming Situation : Semi intensive goat rearing

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.	Goat	05	**Demonstration on concentrate feeding in mother goats (Does) for reducing kid mortality:** Rearing of mother goats (Does) in last month of pregnancy and early lactation (during the period scarcity of green fodder i.e. lean season) by use of concentrate (Crude protein 16% -18 %) + gram straw ad libitum in the ratio of 50:50.	Kid mortality rate (at weaning), body weight of kids at birth and at weaning	Feed concentrate (Crude protein 16% -18 %) + gram straw	Rs.1450/ per unit	-	00	00	03	00	02	00	05	00	05

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	Feeding and health management in goats	01	F/FW	01	Off	00	00	13	09	3	-	16	9	25
Field Day		01	F/FW	01	Off	05	03	13	08	16	05	34	16	50

Enterprise : Dairy
Thrust Area : Improve milk production and quality of milk
Thematic Area : Feed management
Season : *Kharif* 2022
Farming Situation : Semi intensive dairy farming

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
11.	Dairy	05	**Demonstration on Hybrid Napier (CO-4) fodder production for low cost milk production in dairy cows** **(**Hybrid Napier CO4 75 × 30 cm spacing at the rate of 40000 rooted slips or stem cuttings/ha basal dose of 5 t/ha of FYM/compost, 50 kg N /ha, 50 kg P /ha and 40 kg K /ha 35–40 t/ha green fodder yield Feeding rate 6-8 kg/100 kg Body weight/cow)	Feed intake/cow/day, milk production in kg/cow/day, change in milk fat and SNF%.	Hybrid Napier root slips	Rs.600/- per unit	-	01	00	01	00	03	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Enterprise : Poultry
Thrust Area : Improve weight gain in semi-intensive poultry
Thematic Area : Poultry Production
Season : *Rabi* 2022
Farming Situation : Semi intensive poultry farming

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
12.	Poultry	40 birds/ Unit	Demonstration on probiotics supplementation on growth performance of chickens in semi-intensive rearing system	Body weight at 1, 2, 4 month	Probiotics powder	Rs. 610/ per unit	-	01	00	01	00	03	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Turmeric
Thrust Area : Utilization of interspaces of fruit orchards
Thematic Area : Intercrop management
Season : *Kharif* 2022
Farming Situation : Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
13.	Turmeric (Roma)	0.4 ha	This variety is high yielding (70-80 q/ac) and planted as intercrop and grown well under partial shade of trees	Average rhizome weight per plant, yield (q/ha)	Turmeric planting material	14,000/-	-	03	02	00	00	00	00	03	02	05

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 spices in tree plantation	01	F/FW	01	Off	05	01	00	01	16	02	21	04	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Bamboo
Thrust Area : Bamboo production
Thematic Area : Production technology
Season : *Kharif* 2022
Farming Situation : Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
14.	Bamboo (*Bambusa vulgaris*)	0.4 ha	Rooted culm cuttings of bamboo are planted at a spacing of 6x6 m.	Growth, yield and economics	Rooted culm cuttings	4,000/-	-	02	00	01	00	02	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Palmarosa
Thrust Area : Utilization of interspaces of fruit plantations
Thematic Area : Agroforestry management
Season : *Kharif* 2022
Farming Situation : Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
15.	Palmarosa (PRC-1)	0.4 ha	Palmarosa rootslips are intercropped in tree plantation with a spacing of 60 x 30 cm.	Yield (q/ha), Quantity of Oil extracted/ ha	Palmarosa rootslips	4,500/-	-	01	00	01	00	03	00	05	00	05

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	Management of aromatic plants in the nursery	01	F/FW	01	On	05	02	00	01	15	02	20	05	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Chilli
Thrust Area : Hybrid vegetable cultivation
Thematic Area : Production technology
Season : *Rabi* 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
16.	Chilli (Arka harit)	0.4 ha	Chilli seedlings will be planted at a spacing of 45 x 45 cm.	Yield(q/ha)	Chilli seedlings	12,500/-	-	03	00	01	00	00	01	04	01	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop/Enterprise : IMC
Thrust Area : Jayanti rohu fingerling raising practice as short term income generating activity
Thematic Area : Production Management
Season : *Kharif* 2022
Farming Situation : Low land- Kharif - Pond Based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
17.	IMC	05 no./ 0.1 ha.	Stocking of 1,00,000 Jayanti rohu fry, feeding @ 8% of biomass (1st month) & 6% (rest 2 months), liming @ 80-100 kg/ac in seasonal water bodies for fingerling production	Growth parameters-Length (mm) & Weight (gm), growth rate (%)	Jayanti rohu fish fry, feed, Lime, cow dung, urea, SSP, CIFAX	17,000	15,000	00	00	02	00	03	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Utilization of seasonal water bodies Through Carp fingerling production practice	01	F/FW	01	Off	00	00	00	00	40	10	40	10	50
Training	Pre-stocking Management Practices for fry & fingerling production	01	F/FW	01	Off	01	02	01	01	07	13	09	16	25

Crop/Enterprise : Monosex Nile Tilapia
Thrust Area : To Include Monosex Nile Tilapia for more growth, yield & income
Thematic Area : Production Management
Season : *Kharif* 2022
Farming Situation : Low land Kharif-Pond Based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
18.	Nile Tilapia	05 no./ 0.1 ha.	Stocking of Monosex Nile Tilapia advanced fish fry @ 50,000 -75,000 no. /ha., floating pellet feed given @ 30-20 % of their body weight and culture for 6 months	Yield in (q/ha), Length (mm), Weight (gm), % change in yield and B:C ratio	Tilapia advanced Fish fry, feed, Lime, cow dung, urea, SSP, CIFAX & probiotic	18,000	15,000	00	00	00	00	05	00	05	00	05

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	Culture of Monosex Nile Tilapia & its scientific management	01	F/FW	01	Off	01	02	01	01	07	13	09	16	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop/Enterprise : Ornamental fishes
Thrust Area : To adopt Ornamental Pisciculture practices through incorporation of livebearers for increasing the income
Thematic Area : Production Management
Season : *Kharif* 2022
Farming Situation : Low land- Kharif & Rabi - Pond Based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
19.	Ornamental fishes	05 no. / 1500 sq.ft.	Culture of Ornamental fishes @ 130 numbers of live-bearers stocked with a male and female ratio of 1:4 in 300 sq. ft. area, breed 3 times/yr., use of feed mixture 23 kg/yr., use of Potassium permanganate @5mg/lit	Growth parameters- Length (mm) & Weight (gm), growth rate (%), Fish Yield in (q./ha.), % change in yield and B:C ratio	Colour Fish fry, floating feed mixture & Potassium Permanganate	5,000	2,000	00	00	00	00	05	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Adoption of small scale Ornamental fish production for income generation	01	F/FW/WSHG members	01	Off	00	00	00	00	20	30	20	30	50
Training	Ornamental fish production & Aquarium Preparation techniques for women empowerment	01	WSHG members	05	On	00	00	00	00	00	10	00	10	10

Crop/Enterprise : IMC and *Labeo bata* fingerlings
Thrust Area : Diversified pisciculture practices through incorporation of Minor Carp with IMC
Thematic Area : Production Management
Season : *Rabi* 2022-23
Farming Situation : Low land Rabi - Pond Based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
20.	IMC and *Labeo bata* fingerlings	05 no. / 0.1 ha.	Incorporation of *Labeo bata* @ 30 % or 3000 no./ha in the Major Carp system i.e. (Catla:Rohu :Mrigal) @ 10000 no. /ha and culture for 6 months	Growth parameters- Length (mm) & Weight (gm), growth rate (%), Fish Yield in (q./ha.), % change in yield and B:C ratio	Fish fry & fingerlings, feed, Lime, cow dung, urea, SSP, CIFAX	20,000	15,000	01	00	00	00	04	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Use of diversified fish species for yield enhancement	01	F/FW	01	Off	00	00	00	00	20	30	20	30	50
Training	Role of Minor carp Species for yield enhancement	01	RY	01	On	00	01	00	01	08	05	08	07	15

Crop : Chilli
Thrust Area : Management of sucking pest complex in chilli
Thematic Area : Integrated Pest Management
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
21	Chilli	01 ha	Soil application of neem cake @ 2.5q/ ha, Installation of blue and yellow sticky traps @ 50 nos/ha and need based application of Diafenthiuron 50% WP @1gm/ liter and Spiromesifen 240SC @ 0.6ml/ liter alternately at 10days interval	Number of sucking pests per three leaves	Neemcake, Blue and yellow sticky traps, Difenthiuron and Spiromesifen	6,000/-	-	02	00	00	00	05	00	05	00	05

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	Management Of insect pests of chilli	01	F/FW	01	Off	02	06	00	00	12	05	14	11	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Mango
Thrust Area : IPM practice for management of fruit fly in mango
Thematic Area : Integrated Pest Management
Season : *Kharif* 2022
Farming Situation : Rain-fed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
22	Mango	01 ha	Destroy all fallen fruits at weekly interval, install 15 nos. of Methyl Eugenol Plywood traps /Ha. Plough the soil at the tree basin in frequent intervals. Alternate spraying of Deltamethrin 2.8 EC @ 0.5 ml/lit and Azadirachtin (0.3%) @ 02 ml/litre in 10 days interval should be done before three weeks of harvest.	Number of fruit fly captured in trap/ day, Yield	Methyl Eugenol traps, Deltramethrin Azadiractin	7,000	-	02	00	00	00	03	00	05	00	05

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	Management of insect pests of mango	01	F/FW	01	Off	00	00	00	00	18	07	18	07	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Tomato
Thrust Area : Management of serpentine leaf minor in tomato
Thematic Area : Integrated Pest 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
23	Tomato	01 ha	Removal of alternate host, growing of seedlings in protected cultivation, pruning of affected leaves from the beginning and alternate spraying of Cartap hydrochloride 50 SP @ 2gm/ lit of water & Spinosad 45 SC @ 1ml/ 3 lit of water at 10 days interval	% Disease incidence	Cartap hydrochloride, Spinosad	5,000	-	03	00	00	00	02	00	05	00	05

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	Management of different insect pests in tomato	01	F/FW	01	Off	02	06	00	00	12	05	14	11	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Cauliflower
Thrust Area : Management of diamond back moth in cauliflower
Thematic Area : IPM
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
24	Cauliflower	01 ha	Growing of mustard as trap crop 16:1 ratio at 15 days before transplanting of main crop + Ph. trap @ 25/ha and alternate spraying of Neem oil 5% and Spinosad 45 SC @125ml/ha	Number of DBM population per plant	Pheromone traps, Neem oil and Spinosad	5,000/-	-	01	00	00	00	04	00	05	00	05

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 pest management practices in cole crops	01	IPM	01	Off	03	04	00	00	11	07	14	11	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Brinjal
Thrust Area : Management of diseases & pests in vegetables
Thematic Area : Integrated Pest Management
Season : *Kharif* 2022
Farming Situation : Rain-fed/Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
25	Brinjal	01 ha	Seed treatment with Metalaxyl MZ 72% WP @ 2gm/kg + soil application of Carbofuran @ 1kg a.i./ha + soil drenching with Carbendazim @ 0.15% + Streptocycline @ 0.015% at 30 and 45 days after transplanting	Disease incidence (%)	Metalaxyl + Mancozeb, Carbofuran, Carbendazim & Streptocycline	5,000/-	-	01	00	00	00	04	00	05	00	05

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 disease & pest management in solanaceous crops	01	IPM	01	Off	03	04	00	00	11	07	14	11	25
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

Crop : Okra
Thrust Area : Management of diseases & pests in vegetables
Thematic Area : Integrated Disease Management
Season : *Rabi* 2022
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
26	Okra	01 ha	Seed Treatment with Imidacloprid 600 FS @ 5 gm / kg, Installation of Yellow Sticky Trap @ 50 nos./ha and spraying Acetamiprid 20 SP @ 0.3 gm / Lit. at 30 and 45 DAS proved to be the best practice in controlling the white fly and reducing the YVMV in okra	Disease incidence (%)	Imidacloprid 600 FS, Yellow Sticky Trap, Acetamiprid 20 SP	5,000/-	-	01	00	00	00	04	00	05	00	05

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day		01	F/FW	01	Off	10	05	03	02	20	10	33	17	50

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

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Maudamani	July, 2022 to November, 2022	1.2	Seed	40.0 q	72,000	1,22,400	50,400
Sesamum	Amrit	June, 2022 to September, 2022	1.0	Seed	3.0 q	23,000	33,000	10,000
Mushroom spawn	*V.volvaceae, OSM-11, P.sajocaju, Hypsizygous ulmarius*	Round the year			5,000 bottles	35,000	75,000	40,000
Mushroom	*V.volvaceae, OSM-11, P.sajocaju, Hypsizygous ulmarius*	Round the year			2.0 q	6,800	15,000	7,800
Poultry	Aseel, Kadaknath, Vanaraja, Chabro, White leghorn, RIR		3,000 chicks	21 day old chicks	3,000 chicks	1,42,000	2,10,000	68,000
Poultry	Aseel, Kadaknath, Vanaraja, Chabro, White leghorn, RIR		1,000	Eggs	1,000 eggs	7,000	10,000	3,000
Advanced fry & fingerlings	Catla, Jayanti Rohu, Mrigal, Amur Carp, Monosex Nile Tilapia, Labeo bata, Singhi	Round the year			60,000 nos.	40,000	1,20,000	80,000
Ornamental fish young ones	Molly, Guppy, Platy, Swordtail & Goldfish	July 22 to March 23			1,500 nos.	3,000	15,000	12,000

b) Village Seed Production Programme

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

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			Male	Female	Total	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	9	255	103	358	1.37	14	6	20	269	109	378
2.	KisanMela	3	346	144	490	1.2	34	16	50	380	160	540
3.	KisanGhosthi	2	45	20	65	0.8	2	3	5	47	23	70
4.	Exhibition	4	1884	264	2148	10	22	6	28	1884	270	2176
5.	Film Show	13	300	100	400	1.6	2	4	6	302	104	406
6.	Method Demonstrations	12	166	64	230	2.2	2	2	4	118	66	234
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings	18	288	124	412	0.8	1	1	2	289	125	414
10.	Lectures delivered as resource persons	15	384	89	473	3.2	22	5	27	406	94	500
11.	Advisory Services	54										Mass
12.	Scientific visit to farmers field	163	2409	456	2865	5.6	2	5	7	2411	461	2872
13.	Farmers visit to KVK	1	1892	39	1931	1.6				1892	39	1931
14.	Diagnostic visits	14	237	56	293	0.7	2	5	7	239	61	300
15.	Exposure visits	7	72	13	85	0.3	1	4	5	73	17	90
16.	Ex-trainees Sammelan	1	23	5	28		2	5	7	25	10	35
17.	Soil health Camp											
18.	Animal Health Camp	1	36	10	46	0.1	2	2	4	38	12	50
19.	Agri mobile clinic											
20.	Soil test campaigns											
21.	Farm Science Club Conveners meet	10	232	61	293	5.6	4	3	7	236	64	300
22.	Self Help Group Conveners meetings	1		22	22	3		3	3		25	25
23.	MahilaMandals Conveners meetings											
24.	Celebration of important days (specify)	7	817	249	1066	7	18	10	28	735	259	1094
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	4	32	24	56	0.5				32	24	56
27.	Mahila Kisan Diwas	1		29	29	0.5		1	1	0	30	30
28.	Any Other (Specify)											
Total		**340**	**9418**	**1872**	**11,118**	**4.87**	**130**	**81**	**211**	**9376**	**1953**	**11,500**

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
8,91,114/-	5,00,000/-	12,00,000/-

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)
Plant Health Clinic	MIDH (NHM)	25 lakhs	For decreasing incidences of disease and pest in crops through establishment of plant health clinic

9. On-farm trials to be conducted*

i.	**Season:**	*Rabi*, 2022
ii.	**Title of the OFT:**	Assessment of nutrient management in groundnut
iii.	**Thematic Area:**	Integrated nutrient management
iv.	**Problem diagnosed:**	Low yield in groundnut
v.	**Important Cause:**	Improper nutrient management
vi.	**Production system:**	Rice based cropping system
vii.	**Micro farming system:**	Rainfed upland
viii.	**Technology for Testing:**	75% STBF + lime 0.2 LR + Biofertilisers (*Rhizobium* + PSB)
ix.	**Existing Practice:**	Injudicious application of fertilizers
x.	**Hypothesis:**	Integrated nutrient management will enhance the productivity of the crop
xi.	**Objective(s):**	To study the effect of different nutrient management practices on growth, yield parameters, yield and economics in groundnut
xii.	**Treatments:**	
	Farmers Practice (FP):	Farmers Practice (FP): Injudicious application of fertilizers (30:20:20 NPK/ha)
	Technology option-I (TO_1):	Technology option-I (TO_1): 100% Soil test based fertilizers (RDF: 20:40:40 NPK/ha)
	Technology option-II (TO_2):	Technology option-II (TO_2): 75% STBF + lime 0.2 LR + Bio-fertilizers (*Rhizobium* + PSB)
xiii.	**Critical Inputs:**	Lime and Bio-fertilizers
xiv.	**Unit Size:**	0.05 ha
xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	170
xvii.	**Total Cost:**	1700
xviii.	**Monitoring Indicator:**	Plant height, pods/plant, No of nodules/plant, Pod weight/ plant, No of kernels/pod, 100 seed weight and pod yield
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	SAU (OUAT, 2011)

i.	**Season:**	*Kharif*, 2022
ii.	**Title of the OFT:**	Assessment of weed management in maize
iii.	**Thematic Area:**	Integrated weed management
iv.	**Problem diagnosed:**	Low yield in maize
v.	**Important Cause:**	Heavy weed infestation
vi.	**Production system:**	Rice based cropping system
vii.	**Micro farming system:**	Rainfed upland
viii.	**Technology for Testing:**	Application of Tembotrione 34.4% SC @ 120 ml/ha at 21 DAS (4-5 leaf stage)
ix.	**Existing Practice:**	One hand weeding at 40 DAS
x.	**Hypothesis:**	Timely and effective weed management will increase the crop yield
xi.	**Objective(s):**	To study the effect of weed management practices on weed density , weed control efficiency yield and economics in maize
xii.	**Treatments:**	
	Farmers Practice (FP):	One hand weeding at 40 DAS
	Technology option-I (TO_1):	Pre-emergence application of Penimethaline 30% EC @ 1.0 kg a.i/ha
	Technology option-II (TO_2):	Application of Tembotrione 34.4% SC @ 120 ml/ha at 21 DAS (4-5 leaf stage)
xiii.	**Critical Inputs:**	Herbicides
xiv.	**Unit Size:**	0.05
xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	90
xvii.	**Total Cost:**	900
xviii.	**Monitoring Indicator:**	No of weeds/m^2, Weed dry wt (g/m^2), WCE(%), No of rows/cob, cob length, no of grains/cob and cob yield
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**i.** SAU (OUAT, 2018)

i.	**Season:**	Kharif-2022
ii.	**Title of the OFT:**	Assessment of humidity management in paddy straw mushroom production
iii.	**Thematic Area:**	Income generation
iv.	**Problem diagnosed:**	Low yield due to improper production technique
v.	**Important Cause:**	Lack of knowledge on scientific management practices
vi.	**Production system:**	Mixed crop
vii.	**Micro farming system:**	Homestead
viii.	**Technology for Testing:**	Assessment of humidity management in paddy straw mushroom production
ix.	**Existing Practice:**	Mushroom production by using bundled paddy straw substrate (3 layers)
x.	**Hypothesis:**	Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of fogger and hanging of folding type of Gunny bag outside the shade net gives more yield

xi.	**Objective(s):**	To increase the yield of paddy straw mushroom cultivation during summer
xii.	**Treatments:**	
	Farmers Practice (FP):	Mushroom production by using bundled paddy straw substrate (3 layers) with normal practice (soaking of 7kg straw in water for 10-12hrs, bed preparation with addition of spawn and pulse powder 3%)
	Technology option-I (TO_1):	Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition and spreading wet gunny bag along the windows/ walls
	Technology option-II (TO_2):	Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the shade net.
xiii.	**Critical Inputs:**	Mushroom spawn, gunny bags, fogger
xiv.	**Unit Size:**	20 nos mushroom bed
xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	1,200/-
xvii.	**Total Cost:**	12,000/-
xviii.	**Monitoring Indicator:**	Humidity %, days to first flush, size of fruit budding, Average fruit body weight, pin head appearance (days), Biological efficiency, yield
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**CTMRT,OUAT, 2015**

i.	**Season:**	Rabi 2022
ii.	**Title of the OFT:**	Assessment of different substrates for oyster mushroom cultivation
iii.	**Thematic Area:**	Income generation
iv.	**Problem diagnosed:**	Non availability of paddy straw bundles and non utilization of waste farm residues
v.	**Important Cause:**	Farm mechanization
vi.	**Production system:**	Mixed crop
vii.	**Micro farming system:**	Homestead
viii.	**Technology for Testing:**	Oyster mushroom *P.sajarcaju* cultivation with different substrate
ix.	**Existing Practice:**	Cultivation of *P. sajarcaju* by using paddy straw as substrate
x.	**Hypothesis:**	Cultivation of oyster mushroom by use of different substrates
xi.	**Objective(s):**	Optimum utilization of waste farm residues. Diversification of substrate to supplement income of farm women.
xii.	**Treatments:**	
	Farmers Practice (FP):	Cultivation of *P. sajarcaju* by using paddy straw as substrate
	Technology option-I (TO_1):	Cultivation of *P. sajarcaju* by using Paddy straw as substrate + pasteurized sesame stalk in (50:50 basis)
	Technology option-II (TO_2): and so on	Cultivation of *P. sajarcaju* by using paddy straw as substrate + pasturised banana stem and leaves in (50:50 basis)
xiii.	**Critical Inputs:**	Mushroom spawn and polythene bag
xiv.	**Unit Size:**	10 Mushroom Beds

xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	170
xvii.	**Total Cost:**	1,700
xviii.	**Monitoring Indicator:**	Yield/bed, fruit weight, pin head appearance in days, aroma
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	CTMRT, OUAT, 2012

i.	**Season:**	Rabi-2022
ii.	**Title of the OFT:**	**Assessment of multi-enzyme mixture and probiotics on growth performance of chickens**
iii.	**Thematic Area:**	Poultry production and management
iv.	**Problem diagnosed:**	High feed consumption in chicken farming. High cost of feeding and unfeasibility of poultry rearing. Low FCR
v.	**Important Cause:**	Decreased digestibility and absorption due to improper gut health
vi.	**Production system:**	Poultry based
vii.	**Micro farming system:**	Semi-intensive poultry farming
viii.	**Technology for Testing:**	Assessment of multi-enzyme mixture and probiotics on growth performance of chickens
ix.	**Existing Practice:**	Farmers rearing birds under semi-intensive system with vaccination up to one month age without any extra nutritional supplement
x.	**Hypothesis:**	Increasing digestibility, improvement of gut health leading to more weight gain performance
xi.	**Objective(s):**	To increase weight gain in birds reared under semi-intensive system
xii.	**Treatments:**	
	Farmers Practice (FP):	No supplement feeding
	Technology option-I (TO_1):	Feeding of commercial broiler feed (added with probiotics mixture @ 0.05%) @50% of daily requirement and free range feeding for improved gut health and nutrient utilization
	Technology option-II (TO_2): and so on	Feeding of commercial broiler feed (added with multi-enzyme mixture @ 0.05%) @50% of daily requirement and free range feeding and free range feeding improved nutrient utilization
xiii.	**Critical Inputs:**	Probiotics and multienzyme mixture
xiv.	**Unit Size:**	40
xv.	**No of Replications:**	15
xvi.	**Unit Cost:**	566/-
xvii.	**Total Cost:**	6500/-
xviii.	**Monitoring Indicator:**	Body weight at 1.5, 2, 2.5, 3 month, Cost of intervention, additional income over additional investment, B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	PDP, 2017-18 CARI 2017-18

i.	**Season:**	Kharif, 2022
ii.	**Title of the OFT:**	**Assessment of low cost concentrate mixtures to attain correct time puberty in CB Heifers**
iii.	**Thematic Area:**	Feed management
iv.	**Problem diagnosed:**	Low weight gain in heifers leading to delayed puberty
v.	**Important Cause:**	Improper nutrition to dairy heifer animals
vi.	**Production system:**	Livestock based
vii.	**Micro farming system:**	Semi-intensive dairy farming
viii.	**Technology for Testing:**	Assessment of low cost concentrate mixtures to attain correct time puberty in CB Heifers
ix.	**Existing Practice:**	Only straw feeding
x.	**Hypothesis:**	Proper nutrition may lead to attainment of puberty in right time
xi.	**Objective(s):**	To attain correct time puberty in CB Heifers
xii.	**Treatments:**	
	Farmers Practice (FP):	Feeding of straw and wheat bran
	Technology option-I (TO_1):	Straw + Concentrate mixture 1 (Maize-50%, Wheat bran -13%, mustard oil cake- 35%, mineral mix -1%, salt -1%)
	Technology option-II (TO_2): and so on	Straw + Concentrate mixture 2 (Maize- 0, Wheat bran – 80%, mustard oil cake- 18%, mineral mix -1%, salt -1%)
xiii.	**Critical Inputs:**	Concentrate mixture
xiv.	**Unit Size:**	One heifer/unit/trial
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	Rs. 1200/- per unit
xvii.	**Total Cost:**	Rs. 12000/-
xviii.	**Monitoring Indicator:**	Body weight at puberty, age at first heat, conception rate
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	IGFRI 2017

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	**Assessment of INM on growth and yield of maize under teak based agroforestry system**
iii.	**Thematic Area:**	Integrated Nutrient Management
iv.	**Problem diagnosed:**	Indiscriminate use of chemical fertilizers in maize and in addition to mono-cropping of tree species which remained vacant
v.	**Important Cause:**	Interspaced are unutilized in tree plantation
vi.	**Production system:**	Teak based agroforestry system
vii.	**Micro farming system:**	Rain-fed upland
viii.	**Technology for Testing:**	INM on growth and yield of maize under agri-silvi agroforestry system
ix.	**Existing Practice:**	No cultivation practice in tree plantation and application of chemical fertilizers in maize
x.	**Hypothesis:**	Optimum utilization of interspace within tree plantation will give higher profit per unit area
xi.	**Objective(s):**	To find out the suitable INM practice for maize production
xii.	**Treatments:**	

	Farmers Practice (FP):	Hybrid maize
	Technology option-I (TO_1):	Vivek maize hybrid-17
	Technology option-II (TO_2):	Kalinga Raj variety maize
xiii.	**Critical Inputs:**	Vermicompost, Maize seeds
xiv.	**Unit Size:**	0.4 ha
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	3,000
xvii.	**Total Cost:**	5,000
xviii.	**Monitoring Indicator:**	No. of cobs, Plant height, Yield
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OUAT,2019

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	**Assessment of Pineapple in Horti-Silvi agroforestry system**
iii.	**Thematic Area:**	Agroforestry Management
iv.	**Problem diagnosed:**	Un-utilization of interspaces in mango plantation
v.	**Important Cause:**	Unawareness about optimum land utilization technologies
vi.	**Production system:**	Horti-Silvi agroforestry system
vii.	**Micro farming system:**	Rain-fed upland
viii.	**Technology for Testing:**	Planting pineapple and Elephant foot yam in mango plantation
ix.	**Existing Practice:**	No cultivation practice in tree plantation
x.	**Hypothesis:**	Utilization of interspace in plantation crops will increase the income per unit area
xi.	**Objective(s):**	To find out the suitable crops in mango plantation
xii.	**Treatments:**	
	Farmers Practice (FP):	No utilization of interspace
	Technology option-I (TO_1):	Pine apple plantation
	Technology option-II (TO_2):	Elephant foot yam cultivation in interspace of mango
xiii.	**Critical Inputs:**	Pine apple suckers, Elephant foot yam planting material
xiv.	**Unit Size:**	0.4 ha
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	5,000
xvii.	**Total Cost:**	10,000
xviii.	**Monitoring Indicator:**	
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OUAT,2011

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	**Assessment of IDM practice of Sheath Blight in Rice**
iii.	**Thematic Area:**	Integrated Disease Management
iv.	**Problem diagnosed:**	Lack of awareness on IDM practices for rice
v.	**Important Cause:**	Sheath blight is a major problem found in Rice
vi.	**Production system:**	
vii.	**Micro farming system:**	Rain-fed medium land
viii.	**Technology for Testing:**	Assessment of IDM practice of Sheath Blight in Rice (Repeat)

ix.	**Existing Practice:**	No treatment or repeated spraying of carbendazim indiscriminately
x.	**Hypothesis:**	Spraying of new molecules in time can control the disease in initial stage
xi.	**Objective(s):**	To create awareness among farmers about typical damage symtoms of sheath blight and its proper management at initial stage
xii.	**Treatments:**	
	Farmers Practice (FP):	Repeated spraying of Carbendazim @2gm per liter of water
	Technology option-I (TO_1):	Spraying of the combination fungicide Azoxystrobin+ Difenoconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection
	Technology option-II (TO_2)	Spraying of Trifloxystrobin 25%+Tebuconazole 50% 75 WG twice after 30 & 60 DAT
xiii.	**Critical Inputs:**	Azoxystrobin+ Difenoconazole and Trifloxystrobin 25%+Tebuconazole 50% 75 WG
xiv.	**Unit Size:**	0.6 ha
xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	
xvii.	**Total Cost:**	6000
xviii.	**Monitoring Indicator:**	% of disease incidence Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/**	OUAT, AICRP Rice, Chiplima-2018, NRRI, Annual Report-2014

i	**Season:**	Rabi 2022
ii	**Title of the OFT:**	**Assessment of Fall Army Worm management in maize**
iii	**Thematic Area:**	Integrated Pest Management
iv	**Problem diagnosed:**	Loss of crop yield and quality of produce in maize
v	**Important Cause:**	High incidence of Fall Army Worm
vi	**Production system:**	Commercial and mixed
vii	**Micro farming system:**	Rain-fed medium land
viii	**Technology for Testing:**	Management of fall army worm in maize
ix	**Existing Practice:**	Using inappropriate chemicals or no suitable management measures
x	**Hypothesis:**	Spraying of new molecules in time can control the pest population.
xi	**Objective(s):**	Proper identification of key pest from FAW damage symtoms in farmers field and its management
xii	**Treatments:**	
	Farmers Practice (FP):	Using inappropriate chemicals or no suitable management measures
	Technology option-I (TO_1):	Erection of bird perches @ 10 /acre during early stage of the crop, hand picking and destruction of egg masses and neonate larvae and alternate spraying of 1500 ppm Azadiractin at the initiation of damage and *Beauveria bassiana* @ 2ml/lit at 10 days interval
	Technology option-II (TO_2)	Spraying of Chlorantraniliprole 18.5 % SC @ 0.4 ml /lit at the initiation of the infestation followed by a spraying of Emamectin Benzoate @ 5% SG after 15 days
xiii	**Critical Inputs:**	Neem oil 1500 ppm, *Beauveria bassiana,* Chlorantraniliprole 18.5 % SC and Emamectin Benzoate @ 5% SG
xiv	**Unit Size:**	0.4 ha
xv	**No of Replications:**	07
xvi	**Unit Cost:**	1,000

xvii	**Total Cost:**	7,000
xviii	**Monitoring Indicator:**	Pest incidence (%), No of larva/ plant
xix	**Source of Technology (ICAR/ AICRP/ SAU/ Other**	ICAR-RC for NEHR, Meghalaya, 2019

i.	**Season**		Kharif 2022
ii.	**Title of the OFT**		**Assessment of collar rot disease management in Groundnut during Kharif**
iii.	**Thematic Area**		IPM
iv.	**Problem diagnosed**		High incidence of collar rot disease
v.	**Important Cause**		Problem spreads over 1100 ha with moderate intensity and the Yield loss is 15 – 20 %
vi.	**Production system**		Rain-fed upland
vii.	**Micro farming system**		Groundnut - Fallow
viii.	**Technology for Testing**		Management of collar rot in ground nut
ix.	**Existing Practice**		No or improper management practice followed
x.	**Hypothesis**		Integrated disease management practice can enhance the yield of ground nut
xi.	**Objective(s)**		To enhance the yield
xii.	**Treatments**		
	a)	Farmers Practice (FP)	Using inappropriate chemicals or no suitable management measures followed
	b)	Technology option-I (TO_1)	Seed treatment with Carboxin 37.5% + Thiram 37.5 % (Vitavax power) @ 2.5 gm/kg seeds during sowing and need-based spraying of Chlorothalonil 75% WP @ 1.5 gm/lt. and Carbendazim @ 2 gm/lt alternatively at 15 days interval
	c)	Technology option-II (TO_2)	Seed treatment with Tebuconazole @ 1.5 g/kg followed by furrow application of *T. viride* @ 4kg incubated in 50 kg FYM/ha at sowing, broadcasting of *T. viride* @ 4kg incubated in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of the diseases and after 15 days
xiii.	**Critical Inputs**		PP chemicals
xiv.	**Unit Size**		0.4 ha
xv.	**No of Replications:**		07
xvi.	**Unit Cost:**		400/-
xvii.	**Total Cost**		2,800/-
xviii.	**Monitoring Indicator**		Yield (Q/ha); Net return (Rs/ha) and BC ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU)**		OUAT, 2016

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	**Assessment of growth performance of *Heteropneustes fossilis* (Singhi) under varied stocking density during fingerling rearing**
iii.	**Thematic Area:**	Production Management
iv.	**Problem diagnosed:**	• Lack of knowledge on proper stocking density resulting disease susceptibility • Improper utilization of pond biotic potential. • Extensive method of culture practice resulting lower survival
v.	**Important Cause:**	Improper utilization of pond biotic potential
vi.	**Production system:**	Semi-intensive method
vii.	**Micro farming system:**	Low land- Kharif Pond Based

viii.	**Technology for Testing:**	Management of stocking density of Catfish rearing from fry to fingerling stage
ix.	**Existing Practice:**	Indian Major Carp (IMC) fry @ 5 lakh / ha harvesting after 3 months
x.	**Hypothesis:**	More yield & income due to proper utilization of pond biotic potential through management of stocking density
xi.	**Objective(s):**	To verify the increased yield due to rearing of catfish fry with optimum stocking density
xii.	**Treatments:**	2 no.
	Farmers Practice (FP):	Indian Major Carp (IMC) fry @ 5 lakh / ha harvesting after 3 months
	Technology option-I (TO-I):	Use of *Heteropneustes fossilis* (Singhi) fry @ 20000 no. /ha along with Commercial floating feed (3 mm diameter) crushed to smaller size and fed twice daily & culture for 3 months
	Technology option-II (TO-II):	Use of *Heteropneustes fossilis* (Singhi) fry @ 30000 no. /ha along with Commercial floating feed (3 mm diameter) crushed to smaller size and fed twice daily & culture for 3 months
xiii.	**Critical Inputs:**	IMC & *Heteropneustes fossilis* fry
xiv.	**Unit Size:**	0.1 ha.
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	9,000
xvii.	**Total Cost:**	25,000
xviii.	**Monitoring Indicator:**	Length (mm), Weight(gm), Survival (%), Fish Yield in (no./ha.), % change in yield and B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other**	ICAR,CIFA, Annual report 2016-17

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	**Assessment of different Probiotics on the growth performance of IMC fingerlings**
iii.	**Thematic Area:**	Feed Management
iv.	**Problem diagnosed:**	• Lower yield and income due to poor growth & survivability status of fish seed • Unscientific Feed Management
v.	**Important Cause:**	Poor growth & survivability status of fish seed
vi.	**Production system:**	Intensive culture method
vii.	**Micro farming system:**	Low land- Kharif - Pond Based
viii.	**Technology for Testing:**	Effect of probiotic dose on fish seed growth
ix.	**Existing Practice:**	Non use of probiotics with feed
x.	**Hypothesis:**	Better growth & increased survivability of fingerlings through plankton production due to addition of probiotic in fish feed
xi.	**Objective(s):**	To test the growth of fingerlings due to use of feed additives or probiotics
xii.	**Treatments:**	2 no.
	Farmers Practice (FP):	Non use of probiotics with feed
	Technology option-I (TO-I):	Use of feed probiotics as additive @ 5 gm/kg feed twice daily at the time of feed application for rearing of fingerlings
	Technology option-II (TO-II): and so on……	Use of water probiotics as additive @ 5 Litre/ ac. feed twice daily at the time of feed application for rearing of fingerlings

xiii.	**Critical Inputs:**	Probiotics
xiv.	**Unit Size:**	0.2 ha.
xv.	**No of Replications:**	03
xvi.	**Unit Cost:**	16,000
xvii.	**Total Cost:**	80,000
xviii.	**Monitoring Indicator:**	Fish Yield in (no./ha.), % change in yield and B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ICAR,CIFA,2004

*Repeat the same format for EACH OFT being proposed.

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)
1.	**Capacity building of farmers through training programme on profitable dairy farming and livestock management**	**2,00,000**

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

Three Nos.

a. Stunted Yearling production: A Technique for successful entrepreneurship development
b. GIFT Tilapia rearing Technique: A great success towards sustainable Aquaculture
c. Semi Intensive Poultry farming with improved breeds of chicken

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
11.01.21, 18.12.21	03.11.2022

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	200	50	0	0	0	400	200	450	200	650	22	650
Water Samples												
Other (Please specify)												
Total	**200**	**50**	**0**	**0**	**0**	**400**	**200**	**450**	**200**	**650**	**22**	**650**

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2021	Expected fund requirement (Rs.) during 2022-23
Pay & Allowance	98,00,000	1,15,00,000
Contingency (General) + TA + HRD	12,29,300	15,00,000
Contingency (SCSP)	3,00,000	10,00,000
CFLD (O & P)	5,70,062	6,00,000
Construction Works	-	10,00,000*
NR items (Tractor & Power tiller)	10,000	12,00,000*
Total	**1,19,09,362**	**1,68,00,000**

* Tractor is out of order & a power tiller highly needed for maintaining the orchards & use in seed production programme and renovation of administrative building and farmers' hostel is highly necessary.

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

Kadaknath Poultry Farming and Its Acceptability in the District

Angul is a industrial district consisting people of different socioeconomic strata and background. Hence, there is always a high demand for meat and eggs with a special preference over desi and lean type meat. Keeping this in view, the taste of meat and eggs of 'Kadaknath' birds are similar to 'Desi (country)' birds and more preferred than those of commercial broiler/layer birds. Besides this Kadaknath chicken is providing low cholesterol, high protein meat along with special medicinal value in homeopathy and nervous disorder. The meat is also suitable for cardiac patients as it increases blood supply to heart. Also it is having effectiveness in treating women's habitual abortion and sterility. The eggs can also be utilized to treat severe headaches, asthma and nephritis. Hence, this indigenous breed should be popularized and practiced in backyard rearing system.

Hence, Krishi Vigyan Kendra, Angul has conducted OFT and FLD on Kadaknath poultry farming in backyard to know the economic impact of improved desi type chicken breed in Angul district of Odisha. The study was conducted from 2018-19 to 2021-22.

After four years of study it was observed that the "Kadaknath" breed has established a market demand. 'Kadaknath' poultry birds with its unique black meat characterstics is well accepted by the farmers in the district due to its low mortality %, good egg production and weight gain performance, which intern provided them more income. The breed also retains some broodiness which helped the farmers to multiply the flock capacity through natural brooding. The management of birds is easy as that of desi birds. It provides a highly nutritious lean meat as per the demand by the consumers of the locality.

It was evident the bird attained a average body weight of 1.45 ± 0.15 kg at 25 weeks and average annual egg production was 130 ± 3.25 compared to 1.0 ± 0.12 kg body weight and 45 ± 2.16 annual egg production of desi bird. Net return from Kadaknath was Rs. 953.00/bird/year compared to Rs. 342.00/bird/year in case of desi type chicken. Hence, it may be concluded that Kadaknath chicken breed was best suited under the local agro-climatic condition for better egg and meat production compared to desi type chicken.

The technology was getting popularised in the district. A total of 57 no of farmers are rearing this breed under semi-intensive system.

Fingerling Raising in Seasonal Ponds

Fish being a source of cheap animal protein, is an important source of diet for a large section of economically backward population of the country. Fisheries are the only sector that offers cheap and good animal protein to the people, particularly to the economically weaker sections of the society. Thereby, it serves as a means for ensuring national food security. It is also a major contributor towards foreign exchange earnings for the country through export of fish and fish products.

The availability of quality seed is prerequisite for rapid expansion and growth of aquaculture. However, uncertainty in timely seed supply, lack of knowledge regarding fish seed rearing in intensive manner, improper utilization of seasonal water bodies are the major constraints. Ponds in Angul District are typically homestead ponds of less than 1.0 ha in size & are endowed with large number of unutilized water bodies like derelict canals, drains and seasonal ponds. Most of these seasonal water bodies retain water for a short duration, mostly during rainy season & even low level of investment in these seasonal water bodies could yield handsome income within a short span of time. Because Farmers practicing only the **Traditional method of Carp culture** i.e. (Catla 40 :Rohu 30 :Mrigal 30) @ 5000 no. /ha, and culture for 10-12 months **resulting lower yield i.e. 17 q/ha. with net income of Rs. 1, 04,000** & **BC ratio of 2.04** as compared **to seed production technique** i.e. (Stocking of 1, 00,000 IMC fry in 0.3 ha. area, feeding @ 8 % of biomass (1st month) & 6% (rest 2 months), liming @80-100 kg/ac. & with other management practices leading to production of 72,000 fingerlings / 2 crops /3 months with **net income of Rs. 2,28,000 & BC ratio of 4.8.** So this Fingerling production technique in seasonal fallow ponds, as an added livelihood activity may diversify the farmer's portfolio, thus increasing options and reducing risk of economic loss & widely accepted among farming community of the district. Angul, one of the Industrial districts of the state, contributes **16230 MT of fish from 3478.35 ha.** of water area in terms of pond and tanks, supplies **100 million fish seed** where as the

demand is more than 250 million seeds annually. So the utilization of unutilized seasonal ponds, to some extent, could solve the scarcity of seed production for rural aquaculture in the district. By this advanced technology, the rural farmers can aware about scientific carp seed rearing practices in their village ponds resulting in increase of fish production and productivity status from their ponds along with production and supply of quality seed in the locality and adoption of better management practices (BMPs) for enhancement of production in a sustainable way.

Wider adoption of this technology has open doors to:

- Fill the gap in fish seed production and make the district self sufficient in fish production.
- Create **employment (141 no. farmers** of Angul district) and income generating opportunities for the rural poor and enhance their food and livelihood security.
- Increase returns on available resources & **spread to 40.4 ha. area comprising 48 villages.**
- Reduce poverty through Entrepreneurship development **(93 no. Entrepreneurs).**
- Empower **women (09 SHG's)** and potentially contribute to the conservation of native fishes as well.
- Generate interest among perspective farmers to adopt fish seed production as a lucrative Enterprise