

REVISED PROFORMA FOR ACTION PLAN 2019-2020

1. Name of the KVK: Ganjam-I

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2.Name of host organization :

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3.Training programme to be organized (April 2019 to March 2020)

(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
IWM	Integrated weed management in Rice	02	02	off	08.07.19 & 17.07.19									50
ICM	Integrated crop management in Ragi	02	02	off	27.06.19 & 28.06.19									50

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
IWM	Integrated weed management in Maize	01	01	off	02.07.19									25
ICM	Integrated crop management in Maize	01	01	on	04.08.18									25
INM	Integrated Nutrient Management in Sesame	01	01	off	08.01.20									25
ICM	Integrated crop Management in Blackgram	02	02	off	15.01.20& 22.01.20									50
ICM	Package of practices on groundnut cultivation	01	01	on	08.11.19									25
ICM	Scientific yam cultivation	01	01	off	15.06.19									25
IPM	IPM in Rice	01	01	Off	28.08.19									25
IDM	Integrated Disease Management in rice	01	01	off	18.08.19									25
IDM	Integrated Disease Management in Ragi	01	01	off	08.08.19									25
IPM	Integrated Pest Management in Maize	01	01	off	28.07.19									25
IPM	Integrated management in Pigeonpea	01	01	off	18.10.19									25
IDM	Integrated Disease management in Brinjal	01	01	off	07.12.19									25
IPM	Integrated Pest management in	01	01	on	28.12.19									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
	Brinjal													
IPM	Integrated Pest management in Tomato	01	01	off	08.01.20									25
IPM	Integrated Pest management in Okra	01	01	off	14.07.19									25
IPM	Integrated Pest management in Chilli	01	01	off	12.11.19									25
IPM	Integrated Pest management in Bitter gourd	01	01	off	18.09.19									25
IPM	Integrated Pest management in cole crops	01	01	on	06.01.20									25
IPM	Integrated Pest management in Cashewnut	01	01	on	14.02.20									25
HOV	Package of practices for Brinjal cultivation	1	1	Off	05.07.19									25
HOV	Agro-technique for Chilli cultivation	1	1	Off	22.07.19									25
HOV	Off-season Tomato cultivation	1	1	Off	05.08.19									25
HOV	INM in cole crops	1	2	On	13.09.19									25
HOV	Package of practices for Okra	1	1	Off	30.12.19									25
HOV	Agro-technique for Bitter gourd	1	1	Off	02.01.20									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
	cultivation													
HOV	Physiological disorders in vegetables	1	2	On	08.11.19									25
HOV	Management of vegetable nursery	1	2	On	09.10.19									25
HOV	Production technology pod vegetables	1	2	On	12.02.20									25
HOV	Package of practices for Yam cultivation	1	1	Off	12.08.19									25
HOV	Production technology pointed gourd	1	1	Off	03.01.20									25
Fish seed production	Yearlings production practices	1	1	Off	24.07.19									25
Fish seed production	Conditioning of fish seed and care during transportation of fish seed	1	1	Off	21.08.19									25
Fish seed production	Package of practice of Fingerlings production	1	1	Off	09.07.19									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
Production & Management	Community based pisciculture	1	1	Off	22.06.19									25
Production & Management	Preparation of low cost farm-made feed	1	1	On	27.12.19									25
Production & Management	Use of organic acid and fermented manure in fish pond	1	1	Off	13.09.19									25
Production & Management	Soil and water quality test based application of Aquafers for Soil and water quality management in fish pond	1	1	On	19.10.19									25
Production & Management	Major fish Disease diagnosis and its treatment	1	1	On	22.11.19									25
Integrated Farming System	Duck cum farming system	1	1	Off	10.12.19									25
Reservoir fishery	Cage and pen culture in reservoir	1	1	Off	24.01.20									25
Production & Management	Eradication of weed fishes and predatory fish	1	1	Off	29.06.19									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
Feed management	Different fodder crops and their cultivation practices	1	1	Off	19.5.19									25
Production of quality animal products	Clean milk production and milk hygiene	1	1	Off	17.7.19									25
Dairy management	Housing, Feeding and health management in dairy animals	1	1	Off	13.8.19									25
Dairy management	Importance of AI, heat detection and important breeds of cattle	2	1	Off	10.9.19/ 06.02.20									50
Disease Management	Care and management of pregnant does and kids	1	1	Off	22.10.19									25
Poultry management	Brooding management in backyard poultry	1	1	Off	18.11.19									25
Sheep/ Goat farming	Care and management of breeding bucks	1	1	Off	17.12.19									25
Feeding management	Simplified Azolla production method for livestock nutrition	1	1	Off	8.01.20									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
Household food security by kitchen gardening and nutrition gardening	Planning and layout of kitchen garden	1	1	Off	03.06.2019								25	25
Income generation activities for empowerment of rural Women	Cultivation practices of paddy straw mushroom in threshed straw	1	1	Off	15.07.19								25	25
Capacity building	Disease and mould management in Paddy straw mushroom	1	1	Off	06.09.19								25	25
Income generation activities for empowerment of rural Women	Cultivation practices of different varieties of Oyster mushroom	1	1	Off	28.11.19								25	25
Income generation activities for empowerment of rural Women	Preparation of low cost vermicompost	1	1	Off	29.10.19								25	25
Income generation activities for empowerment of rural Women	Marigold cultivation	1	1	Off	02.12.19								25	25
Location specific drudgery reduction	Use of small implements for	1	1	On	18.12.19								25	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
technologies	drudgery reduction													
Value addition	Value addition of Ragi	1	1	Off	08.01.20								25	25
Value addition	Value addition of Tomato	1	1	Off	21.01.20								25	25
Value addition	Value addition of Chilli	1	1	Off	11.02.20								25	25
Design and development of low/minimum cost diet	Preparation of low cost supplementary food for children	1	1	Off	25.02.20								25	25
Minimization of nutrient loss in processing	Minimization of nutrient loss in processing and preservation	1	1	Off	10.03.20								25	25
Capacity Building Development	Improved techniques of Seed treatment in Groundnut	1	1		16.06.19								25	25
Capacity Building Development	Improved techniques of Seed treatment in Greengram	1	1	Off	23.12.19								25	25
Capacity Building Development	Market linkage for smallholder farmers	2	2	Off	23.07.19, 24.09.19								50	50
Capacity Building Development	Orientation & awareness programme on farmers clubs-	2	2	Off	21.08.19, 23.10.19								50	50

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
	formation													
Capacity Building Development	Orientation & awareness programme on Management of SHG	1	1	Off	21.11.19								25	25
Capacity Building Development	Income generation through agricultural and allied agricultural sector.	2	2	Off	12.09.19, 22.01.20								50	50
Capacity Building Development	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	1	Off	14.01.20								25	25
Capacity Building Development	Orientation & awareness programme on Farmers Producers Organization	2	2	Off	15.11.19,25.02.20								50	50
Agro-forestry	Nursery technique for production of teak stump	1	1	Off	19.08.19								25	25
Agro-forestry	Agro silvi pastoral system	1	1	Off	17.09.19								25	25
Agro-forestry	Alley cropping system	1	1	Off	15.11.19								25	25
Agro-forestry	Agro-forestry system	1	1	Off	03.12.19								25	25
Agro-forestry	Use of root trainer in forest nursery	1	1	Off	21.02.20								25	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
Small Scale income generation	Honey bee rearing	1	02	ON	14.12.19 &15.12.19									15
IPM	Plant products & ITKs for pest control	1	02	ON	21.01.20&22.01.20									15
Small Scale income generation	Vermicomposting	1	02	ON	28.01.20&29.01.20									15
ICM	Quality seed production	1	02	ON	25.07.19&28.07.19									15
HOV	Planning & layout of orchard for commercial fruit production	1	02	ON	04.03.20 & 05.03.20									15
Ornamental fishery	Breeding and culture of gold fish and Koi carp	1	2	ON	13.12.19 &14.12.19									15
Fishery production	Yearlings production practices	1	2	ON	07.08.19 &08.08.19									15
Dairying	Income generation through scientific dairy farming	1	2	ON	28.8.19-29.8.19									20
Sheep and goat	Income generation through scientific	1	2	ON	27.12.19-28.12.19									20

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
rearing	goat farming													
Mushroom Production	Mushroom spawn production	1	2 days	ON	20.08.2019 & 21.08.2019								15	15
Vermi-culture	Organic vermi composting	1	2 days	ON	13.02.2020 & 14.02.2020								15	15
Capacity Building Development	Value chain management For profitable Agribusiness	1	3	ON	17.09.19 to 19.09.19									
Capacity Building Development	Orientation and awareness programme on Custom hiring centres for betterment of farming community	1	3	ON	10.03.20 to 12.03.20									
Agro-forestry	Farm bund plantation	1	02	ON	15.10.19 & 16.10.19								15	15
Agro-forestry	Raising of planting material from bamboo culm cutting	1	02	ON	15.01.20 & 16.01.20								15	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
IPM	IPM in Rice	01	01	on	15.01.2020									10
INM	Use of Micronutrient & Biofertilizer in crops	01	01	On	01.07.19									10
HOV	Physiological disorders in vegetables	1	1	ON	11.03.20									15
Species diversification	Inclusion of diversified fish species compatible with carp	1	1	On	15.10.19									15
Management in farm animals	Veterinary first aid & vaccination technique	1	2	On	22.11.19-23.11.19									15
Household food security	Food and nutritional security through kitchen garden	1	2 days	On	11 & 12.09.19								10	10
Women and child care	Dietary management for pregnant and lactating women	1	2 days	On	24 & 25.03.20								10	10
Capacity Building Development	ICT-led knowledge management and usage patterns in Agriculture	1	1	On	28.08.19								10	10

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	03												75
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management	08												200
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1												25
Water management													
Enterprise development													
Skill development													
Yield increment	1												25
Production of low volume and high value crops													
Off-season vegetables	1												25
Nursery raising	1												25
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	8												200
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management	2												50
Poultry Management	1												25
Piggery Management													
Rabbit Management													
Disease Management	1												25
Feed management	2												50
Production of quality animal products	1												25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any (Goat farming)	1												25
TOTAL													120
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1											25	25
Design and development of low/minimum cost diet	1											25	25
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	1											25	25
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	3											75	75
Location specific drudgery reduction technologies	1											25	25
Rural Crafts													
Capacity building	1											25	25
Women and child care	1											25	25
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	10												250
Integrated Disease Management	03												75
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming	1												25
Carp breeding and hatchery management													
Carp fry and fingerling rearing	3												75
Composite fish culture & fish disease	5												125
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1												25
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn	1												25
Shrimp farming													
Edible oyster farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Improved techniques of Seed treatment in Groundnut	1												25
Improved techniques of Seed treatment in Greengram	1												25
Market linkage for smallholder farmers	2												50

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Orientation & awareness programme on farmers clubs- formation	2												50
Orientation & awareness programme on Management of SHG	1												25
Income generation through agricultural and allied agricultural sector.	2												50
Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1												25
Orientation & awareness programme on Farmers Producers Organization	2												50
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)	76	0	0	0	0	0	0	0	0	0	0	225	2020
TOTAL													
	76	0	0	0	0	0	0	0	0	0	0	225	2020

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping	01											15	
Integrated farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Seed production	01												15
Production of organic inputs													
Planting material production	01												15
Vermi-culture	01												15
Sericulture													
Protected cultivation of vegetable crops	1												15
Commercial fruit production	1												15
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1												20
Sheep and goat rearing	1												20
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1												15
Ornamental fisheries	1												15
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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													
Value chain management For profitable Agribusiness	1												
Orientation and awareness programme on Custom hiring centres for betterment of farming community	1												
ITKs for pest control	1												15
Total	13	0	0	0	0	0	0	0	0	0	0	0	175

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	01												10
Integrated Nutrient management	01												10
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	1												10
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1												10
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													10
Gender mainstreaming through SHGs													
Crop intensification													
Species diversification	1												10
TOTAL													

4. Frontline demonstration to be conducted*

FLD 1

Crop: Ragi

Thrust Area: Nutrient Management in Ragi

Thematic Area : INM

Season: Kharif, 2019

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	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi	2/10	Application of lime @ 0.25LR (applied 15 days before sowing) along with 50%N-P2O5-K2O (30-20-20 kg ha-1) or FYM (to supply 30 kg N ha-1) with 50% N-P2O5-K2O N is applied in three splits, 25, 50 and 25 per cent basal, at tillering and flowering stages respectively. P and K are applied as basal doses	No. of finger/panicle , tiller/plant												10

Extension and Training activities under FLD on INM in Ragi

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 INM in Ragi	1	Farmer/FW	1	Off									50
Farmer’s training	INM in Ragi	1	Farmer/FW	1	Off									25

FLD 2**Crop:** Maize, cowpea**Thrust Area:****Thematic Area :** Intercropping of Maize with cowpea**Season:** Kharif, 2019**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
2	Maize	2/10	Maize+ Cowpea row ratio of 1:1 or 2:2 along with application of STBFR (120-75-75 kg N:P2O5:K2O/ha) + FYM(10 t/ha)+ Biofertilizer consortia @ 12 kg/ha + Zn @ 5 kg/ha	No. of plants/m ² , Yield of individual crop												10

Extension and Training activities under FLD on intercropping of maize with coewpea

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 Intercropping of Maize with cowpea	1	Farmer /FW	1	Off									50
Farmer’s training	Integrated crop management in Maize	1	Farmer /FW	1	Off									25

FLD 3**Crop:** Rice**Thrust Area:****Thematic Area :** Integrated weed management in Rice**Season:** Kharif, 2019**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
3	Rice	2/10	Application of Bensulfuron methyl + pretilachlor @ 10kg/ha at 3 DAT	No of weeds per sqm, WCE(%), Dry biomass wt/sqm												10

Extension and Training activities under FLD on IWM in Rice

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 weed management in rice	1	Farmer/FW	1	Off									50
Farmer’s training	Integrated weed management in rice	1	Farmer/FW	1	Off									25

FLD 4**Crop:** Ragi**Thrust Area:** Blast disease management**Thematic Area :** IDM**Season:** Kharif, 2019**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
4	Ragi	2/10	Seed treatment with either tricyclazole @ 3 gm/kg of seed or carboxin 37.5%+ thiram 37.5% @2.5 gm/kg and foliar spraying of either tricyclazole @ 300gm/ha or spraying of isoprothilane 40% EC @ 750 ml/ha twice at 15 days interval starting from the initiation of disease	Blast disease leaf%, Panicle affected by blast(%), No. of tiller/plan	Tricyclazole	500	200	2		2		6		10		10

Extension and Training activities under FLD on Blast management in Ragi

Activity	Title of Activity	No.	Clientel e	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Field day	Field day on Blast management in Ragi	1	Farmer/ FW	1	Off									50
Farmer’s training	Disease management in ragi	1	Farmer/ FW	1	Off									25

FLD 5**Crop:** Okra**Thrust Area:** YMV management**Thematic Area :** IDM**Season:** Kharif, 2019**Farming Situation:** Irrigated Up 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	Okra	2/10	Seed treatment with Imidacloprid 600 FS @ 5 gm / Kg, Installation of Yellow Sticky Trap @ 50 / ha and spraying Acetamiprid 20 SP @ 0.3 gm / Lit. at 30 and 45 DAS	YMV plant % , infected fruit %	Imidacloprid, Yellow sticky trap, Acetamiprid	1000	300	3				7		10		10

Extension and Training activities under FLD on YMV management in Okra

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 YMV management in Okra	1	Farmer/FW	1	Off									50
Farmer’s training	Integrated disease/pest management in Okra	1	Farmer/FW	1	Off									25

FLD 6**Crop:** Brinjal**Thrust Area:** Wilt complex management**Thematic Area :** IDM**Season:** Rabi, 2019-20**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
6	Brinjal	2/10	Seed treatment with Metalaxyl+Mancozeb 72% WP @ 2gm/kg +soil application of Carbofuran @ 1kg a.i. /ha+ soil drenching of Carbendazim 0.15%+ Streptocycline 0.015% at 30 and 45 days after transplanting	wilting % in Nursery Wilting % in main field No. of plants/m ²	Metalaxyl+ Mancozeb ,Carbofuran, Carbandazi m,Streptocyclene	1200	700	3				7		10		10

Extension and Training activities under FLD on wilt complex management in brinjal

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 wilt management in Brinjal	1	Farmer/FW	1	Off									50
Farmer’s training	Disease management in Brinjal	1	Farmer/FW	1	Off									25

FLD 7**Crop:** Mango**Thrust Area:** Fruit fly management**Thematic Area :** IPM**Season:** Rabi, 2019-20**Farming Situation:** Rainfed up 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
7	Mango	2/10	Destruction of fallen fruits, installation of Methyl eugenol trap@10/ha.,Poison baiting with 1lt. Gur +10 lt. of water+ 20 ml deltamethrin for 01 ha. area	No.of fruit fly trapped/trap/ week Damaged fruit %	Methyl eugenol trap, Delta methrin	1000	400	2				8		10		10

Extension and Training activities under FLD on Mango

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 Mango	1	Farmer /FW	1	Off									50
Farmer’s training	IPM in Mango	1	Farmer /FW	1	Off									25

FLD 8**Crop:** Honey bee**Thrust Area:** Higher income**Thematic Area :** Small scale income generation.**Season:** Rabi, 2019-20**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	Honey bee	2/10	Colony installation, management of Hive, feed management in adverse climatic condition	No. of frame in super chamber filled with honey/yr No. of new colony formed/yr	Bee box, colony	3000	-	4		2		4		10		10

Extension and Training activities under FLD on Honey bee

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 Honey bee	1	Farmer /FW	1	Off									50
Farmer's training	Honey bee rearing	1	Farmer /FW	1	Off									25

FLD 9**Crop: Chili****Thrust Area:** vegetable production**Thematic Area:** INM**Season:** Kharif -2019**Farming Situation:** Irrigated upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation in 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	Chili	1 ha	Soil application of Azospirillum & PSB each @ 5kg/ha incubated with FYM + 75 % of RDF (120-60-80 :: NPK kg/ha)	Fruit length (cm), No. of fruits/plant Yield (q/ha), B:C ratio,												10

Extension and Training activities under FLD on chili

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 chili	1	Farmer /FW	1	Off									50
Farmer’s training	Agro-technique for Chilli cultivation	1	Farmer /FW	1	Off									25

FLD 10**Crop: Tomato****Thrust Area:** vegetable production**Thematic Area:** varietal evaluation**Season:** Rabi-2019-20**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	
10	Tomato Arka Rakshak	0.5 ha	Triple disease resistant to ToLCV, BW & Early blight,. Seed rate	Wilting %, Fruit wt(g), No of fruit/plant Yield (q/ha), B:C ratio,													10

Extension and Training activities under FLD on tomato

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	
Field day	Field day on tomato	1	Farmer/FW	1	Off									50
Farmer’s training	Off-season Tomato cultivation	1	Farmer/FW	1	Off									25

FLD 11**Crop: Brinjal****Thrust Area:** vegetable production**Thematic Area:** INM**Season:** Rabi-2019-20**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	
11	Brinjal	1 ha	Application of N-125 kg., P ₂ O ₅ – 50 kg., K ₂ O – 50 kg. per ha., 5 kg. of Azospirillum & PSB each and foliar application of Boron @ 2 gm./litre of water	fruit weight (g), no. of fruits /plant Yield (q/ha), B:C ratio,													10

Extension and Training activities under FLD on Brinjal

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 brinjal	1	Farmer/FW	1	Off									50
Farmer’s training	Package of practices for Brinjal cultivation	1	Farmer/FW	1	Off									25

FLD 12**Crop: Bitter gourd****Thrust Area:** vegetable production**Thematic Area:** ICM**Season:** Rabi-2019-20**Farming Situation:** Irrigated medium land

	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	Bitter gourd	1 ha	Foliar application of Ethrel @ 200 ppm at 2 to 4 leaf stage & amino acids during flowering stage	Fruit wt. (g), No.of fruits/plant Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on chili

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	
Field day	Field day on bitter gourd	1	Farmer/FW	1	Off									50
Farmer’s training	Agro-technique for Bitter gourd cultivation	1	Farmer/FW	1	Off									25

FLD 13**Crop:** IMC**Thrust Area:** Yearlings production**Thematic Area:** Fish seed production**Season:** Kharif, 2019**Farming Situation:** Rainfed/ irrigated

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
13	IMC	0.4 ha	Stocking fry 2 lakh/ha, Fryfed with de-oiled rice bran (crude protein: 12 to 15 percent)@2% biomass, with the occasional addition of raw rice bran and groundnut oil cake. Proper water quality management, manuring and fertilization as per the water quality parameter	Water quality parameter(pH, alkalinity, Plankton conc.) Avg body weight, Survivability (%),	IMC fry,											5

Extension and Training activities under FLD on Yearlings production

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	Yearlings production practices	25	F/FW	1	Off									25
Field day	Demonstration of yearlings production	50	F/FW	1	Off									50
Literature distributed	Yearlings production (Odia)	500 nos												

FLD 14

Crop: IMC

Thrust Area: Yearling stocking for yield enhancement in community pond

Thematic Area: Production and Management

Season: Kharif, 2019

Farming Situation: Rainfed/ irrigated

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	IMC	2 ha	Stocking density :- Yearling @ 5,000 Nos./ha Stocking ratio :- Surface : Column : Bottom feeder :: 3 : 4 : 3	Yield Parameter- Avg. Length, Avg. Wt. SGR Water Quality Parameter-pH, DO, Plankton, Alkalinity	Yearlings, Lime												5

			Species composition:- Surface feeder (30%): Catla (ZP. Feeder) Column feeder (40%)- Rohu (Phytopkt. feeder)- 25-30% & Grass carp (Macro-vegetation feeder)- 10-15% Bottom feeder (30%)- Mrigal (Plant origin feeder)- 10-20% & Common carp (Animal origin feeder)- 10-20% Soil & Water quality mgmt.- Application of suitable Aquifers													
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Extension and Training activities under FLD on yearling stocking for yield enhancement in community pond

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	

Training	Pisciculture in community pond	25	F/FW	1	Off									25
Field day	Demonstration on yearling stocking for yield enhancement in community pond	50	F/FW	1	Off									50

FLD 15

Crop: IMC

Thrust Area: Fish cum hort-livestock farming

Thematic Area: Integrated fish farming

Season: Kharif, 2019

Farming Situation: Rainfed/ irrigated

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	IMC, Duckery, horticulture crops	1 ha	Fish (IMC) @ 10,000 Nos/ha, Poultry@500-600 Nos/ha or Duckery@250-300 Nos/ha with need based vegetable and fruit crops in the Bund Area.	Yield Parameter (Fish)-Avg. Body Wt., % of Survivability Animal – Meat & egg Vegetable:	Poultry@500-600 Nos/ha or Duckery@250-300 Nos/ha with need based vegetable and fruit crops											

			Soil and water test based Aquafer application for pond management. Balanced ration feeding as per the recommended dose	Yield Water Quality Parameter- Plankton, pH, DO2, Alkalinity, Hardness											
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Extension and Training activities under FLD on IFS

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	Fish cum duck farming	25	F/FW	1	Off									25
Field day	Demonstration on IFS	50	F/FW	1	Off									50

FLD 16

Crop: Fodder

Thrust Area: Dairy farming ,

Thematic Area: LPM

Season: Round the Year (Rabi)

Farming Situation: Semi-intensive

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit	Technology package for demonstration	Parameter (Data) relation in to technology	Cost of Cultivation (Rs.)			No. of farmers / demonstration							
					Name of Inputs	Demo	Local	SC		ST		Other		Total	
								M	F	M	F	M	F	M	T

		(No.)		demonstrated												
16	Fodder CO4	5 no	Demonstration on Hybrid Napier (CO-4) fodder production in dairy farming	Feeding cost/cow/day, milk production in kg/cow/day, change in milk fat and SNF%.	Rooted slips or stem cuttings											5

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Training	Different fodder crops and their cultivation practices	1	F/FW	1	Off										25
Field day	Field day on fodder cultivation	1		1	Off										30

FLD 17

Crop: Goat

Thrust Area: Goat farming

Thematic Area: LPM

Season: Round the Year (Kharif)

Farming Situation: Free Ranging

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	Goat	10	Demonstration on concentrate feeding in pregnant goats (does) for reducing kid mortality	Neonatal death%, Kid mortality rate (till weaning), body weight of kids at birth and at weaning	Concentrate feed, supplements											10
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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	Care and management of pregnant does and kids	1	F/FW	1	Off									25
Field day	Field day	1		1	Off									30

FLD 18

Crop: Goat

Thrust Area: Goat farming ,

Thematic Area: LPM

Season: Round the Year (kharif)

Farming Situation: Free Ranging

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	Goat	10	Demonstration on deworming and supplement feeding for	Kid mortality Body weight	Dewormin g, supplement s												10

			body weight gain of kids	gain												
				Morbidity and incidences of diarrhoea												

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	Income generation through scientific goat farming	1	RY	2	On									20
Field day	Field day	5		5	Off									150

FLD 19

Crop: Poultry

Thrust Area: Poultry farming ,

Thematic Area: LPM

Season: Round the Year (kharif)

Farming Situation: Semi intensive

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	Poultry	10	Demonstration on artificial brooding management in	Chick mortality rate during brooding	Portable brooder and medicines												10

			chicks	period, body weight at 21 days, survivability of birds till start of laying.												
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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	Backyard poultry farming with special reference to brooding management	1	Vocational	5	On									15
Field day	Field day	5		5	Off									150

FLD 20

Crop: Poultry

Thrust Area: Poultry farming ,

Thematic Area: LPM

Season: Round the Year (rabi)

Farming Situation: Semi intensive

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	T
20	Poultry	10	Demonstration on low input	Body weight gain at 21days,	Brooded Kadaknath										10

			poultry breed kadaknath in backyard rearing system	1,2,3,4,5,6 months, age of sexual maturity, Age at first laying, Egg production/ annum	chicks											
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FLD 21

Crop: Mushroom

Thrust Area: Mushroom cultivation

Thematic Area: Small scale income generation

Season: Kharif, 2019

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
21	Paddy starw mushroom – V.volvaceae	200 beds	Straw-5kg, pulse powder 3%, soaking period-5hrs) and yield is avg.1 kg/bed, required temp. is 30-38 degree .	Pin head appearance(days), Days of first flush, average fruit body wt(gm), Biological efficiency(%), yield	spawn & polythene sheets				3				7		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	

Paddy starw mushroom – V.volvaceae	Training , Field day	2	Farmer	2days	Off								75	75
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FLD 22

Crop: Nutritional garden

Thrust Area: Food & nutrition security

Thematic Area: Food security

Season: Through out the year

Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
22	Nutritional garden	0.5	A nutritional garden with trellis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level	Consumption of vegetables/day Availability of vegetable/day	Seeds & planting material						3		7		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
Nutritional garden	Training , Field day	2	Farmer	2days	Off							75	75	

FLD 23**Crop:** Value addition in Ragi**Thrust Area:** mal Nutrition among farm families**Thematic Area :** Value addition**Season:** Rabi, 2019**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
23	Value addition in Ragi	10	Soaking of Ragi and Greengram overnight separately, drain water and allow to sprout up to 2mm, shade drying, lightly roasting, grind separately and mix.	Keeping quality, sensory parameter, nutritional composition	Ragi & Greengram				2					8		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
Value addition in Ragi	Training , Field day	2	Farmer	2days	Off								75	75

FLD 24**Crop:** Marigold**Thrust Area:** Floriculture**Thematic Area :** Small scale income generation**Season:** Rabi, 2019**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	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
24	Marigold cultivation	10	Seedling raising- Aug- September , Transplanting- October –November. Plant spacing – 45 x 30 cm, Nipping- 30 DAT (2-3 cm terminal portion. FYM- 500 g/m ² , need based plant protection measures. (Avg. yield- 250-300 g/m ²)	Keeping quality, sensory parameter, nutritional composition	Seedlings				3					7		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
Marigold cultivation	Training , Field	2	Farmer	2days	Off							75	75	

	day													
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FLD 25

Crop: Groundnut

Thrust Area: Oil seed

Thematic Area :

Season: Kharif, 2019

Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
24	Ground nut	10	Preparation of small videos (1.5-2.0 minutes) on different activities of production process of Kharif Groundnut and the same will be sent through whatsapp to the identified farmers	Understanding the method and process depicted in the video -Retention of the message					3					7		10

Crop :

Thrust area : Fulfilling requirements of small timber, fuel wood and fodder

Thematic area : Agroforestry

Season: kharif 2019

Farming situation : Irrigated upland

Extension and Training activities under FLD on YMV management in Okra

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	

Enterprises	Proposed area/no.	Technology package for demo	Programmer data in rel to technology demonstrated	Cost of cultivation		Local	No. of beneficiary									
				name of input	Demo		Sc		St		Others		Total			
							M	F	M	F	M	F	M	F	T	
Fast growing Multipurpose tree (MPT)species	0.5 ha	Introduction of fast growing multipurpose tree species in backyard Seedlings of Acacia species and Tectona grandis to be planted in the homestead / backyard of farmer at a spacing of <i>Acacia mangium</i> (3m x3m) , <i>Tectona grandis</i> (3m x3m)	Height of plants, collar diameter DBH	Seedlings <i>Acacia mangium</i> <i>Tectona grandis</i> Fertiliser pesticide and fungicide	Rs8/seedling x 150 seedlings =Rs 1200 Rs10/seedling x 175 seedlings =Rs 1750 Rs 325/-	-										10

Field day	Field day on Fast growing Multipurpose tree (MPT)species	1	Farmer/FW	1	Off										50
Farmer's training	Nursery technique for production of teak stump	1	Farmer/FW	1	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 April 19 to March 20	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Pooja	Kharif-2019	4.0	Seed	160			
	Swarna Sub-1	Kharif-2019	3.5	seed	140			
Pigeon pea	PRG-176	Kharif-2019	2.0	Seed	15			
Sunhemp	Local	Kharif-2019	0.2	seed	1.25			
Black gram	PU-31	Rabi -2019-20	1.5	Seed	7.5			
Tomato seedling	Arka Rakshak	Rabi -2019-20		PM	1500 no.			
Papaya seedling	Red Lady	Kharif-2019		PM	1500 no.			
K. Lime gootee	Local	Kharif-2019		PM	200 no.			
Drumstick	PKM-1	Kharif-2019		PM	1000 no.			
Marigold seedling	Seracola	Rabi -2019-20		PM	10,000 no.			
Brinjal seedling	Swarna Symali, Swarna Sri	Rabi -2019-20		PM	20,000 no.			
Cauliflower	Megha	Rabi -2019-20		PM	3000 no.			
Onion	Agrifound Dark Red	Rabi -2019-20		PM	5,000 no.			

Mushroom spawn	Oyster & paddy straw	Round the year		others	2500 no.			
vermicompost		Round the year		others	40 qt.			
vermin		Round the year		others	20 kg			
Poultry chick		Round the year		others	1500 no.			
Fingerling		Round the year		others	10,000 no.			
Honey		Round the year		others	8 kg.			

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		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	16										
2.	Kisan Mela	2										
3.	Kisan Ghosthi	2										

4.	Exhibition	2										
5.	Film Show	16										
6.	Method Demonstrations	11										
7.	Farmers Seminar	1										
8.	Workshop	2										
9.	Group meetings	8										
10.	Lectures to be delivered as resource persons	54										
11.	Newspaper coverage	8										
12.	Radio talks	3										
13.	TV talks	2										
14.	Popular Articles	06										
15.	Extension Literature	04										
16.	Farm Advisory Services	25										
17.	Scientific visit to farmers field	152										
18.	Farmers Visit to KVK	742										
19.	Diagnostic Visits	32										
20.	Exposure Visits	2										
21.	Ex-trainees Sammelan	4										
22.	Self Help Group Conveners meetings											
23.	Mahila Mandals Conveners meetings	4										

24.	Celebration of important days (specify)	0										
25.	Sankalp Se Siddhi	2										
26.	Swatchta Hi Sewa	2										
27.	Mahila Kisan Diwas	2										
28.	Any Other (Specify)											
	Total	1104										

7. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return

8. Expected fund from other sources and its proposed utilization

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

9. On-farm trials to be conducted* OFT-1

- i. **Season:** Kharif, 2019
- ii. **Title of the OFT:** ASSESSMENT OF BPH TOLERANT VARIETIES OF RICE IN MEDIUM LAND SITUATION
- iii. **Thematic Area:** Varietal evaluation
- iv. **Problem diagnosed:** Chaffy grain & low yield
- v. **Important Cause:** Brown Plant Hopper infestation causes Chaffy grain & hopper burn symptoms
- vi. **Production system:** Rice- Greengram
- vii. **Micro farming system:** Rainfed-Medium land
- viii. **Technology for Testing:**
 - Technology option-I (TO-I):** Cultivation of Rice var.Pooja (150 days)
 - Technology option-II (TO-II):** Cultivation of Rice var. Hasanta (145 days)
- ix. **Existing Practice:** Cultivation of Rice var. Swarna (140-145 days)
- x. **Hypothesis:** Hasanta & Pooja both have BPH tolerant capacity.
- xi. **Objective(s):** To evaluate BPH tolerant Rice varieties in medium land situation
- xii. **Treatments:**
 - Farmers Practice (FP):** Cultivation of Rice var. Swarna (140-145 days)
 - Technology option-I (TO-I):** Cultivation of Rice var.Pooja (150 days)
 - Technology option-II (TO-II):** Cultivation of Rice var. Hasanta (145 days)
- xiii. **Critical Inputs:** Pooja & Hasanta seeds
- xiii. **Unit Size:** 0.2 ha
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** 300
- xvi. **Total Cost:** 2100
- xvii. **Monitoring Indicator:** No.of BPH/hill, Chaffy grain%, No. of tiller/hill
- xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : AICRP on Rice, Chipilima,2015

. On-farm trials to be conducted* OFT-2

- i. **Season:** Rabi, 2019-20
- ii. **Title of the OFT:** ASSESSMENT OF PESTICIDES FOR CONTROL OF POD BORER IN SESAME
- iii. **Thematic Area:** Integrated Pest Management
- iv. **Problem diagnosed:** Damaged pods, low yield
- v. **Important Cause:** Sesame pod borer infestation
- vi. **Production system:** Rice-Greengram-Sesame
- vii. **Micro farming system:** Medium land-irrigated
- viii. **Technology for Testing:**
Technology option-I (TO-I): Spraying of Profenophos@1lt./ha for 02 times at 15 days interval commencing from pod initiation
Technology option-II (TO-II): Spraying of Spinosad@165ml/ha for 02 times at 15 days interval commencing from pod initiation.
- ix. **Existing Practice:** Spraying of Triazophos @ 1lt./ha.
- x. **Hypothesis:** Spinosad is a new generation pesticides having contact & stomach action & very effective against pod borer. Profenophos has Contact & stomach action & effective against pod borer
- xi. **Objective(s):** To evaluate different chemical for control of Sesame pod borer.
- xii. **Treatments:**
Farmers Practice (FP): Spraying of Triazophos @ 1lt./ha.
Technology option-I (TO-I): Spraying of Profenophos@1lt./ha for 02 times at 15 days interval commencing from pod initiation
Technology option-II (TO-II): Spraying of Spinosad@165ml/ha for 02 times at 15 days interval commencing from pod initiation.
- xiii. **Critical Inputs:** Profenophos, Spinosad
- xiv. **Unit Size:** 0.2 ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 800
- xvii. **Total Cost:** 5600
- xviii. **Monitoring Indicator:** No. of larva/plant, No. of damaged pods/plant, efficacy of pesticides
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : SLREC, Proceeding, 2017

On-farm trials to be conducted* OFT-3

- i. **Season:** Kharif, 2019
- ii. **Title of the OFT:** ASSESSMENT OF INTEGRATED DISEASE MANAGEMENT PRACTICE FOR COLLAR ROT/VINE ROT IN YAM
- iii. **Thematic Area:** Integrated Disease management
- iv. **Problem diagnosed:** Rotting of vines, Small sized corm, Low yield
- v. **Important Cause:** rotting is caused by Fusarium fungus
- vi. **Production system:** Yam-fallow
- vii. **Micro farming system:** Rainfed-Up land
- viii. **Technology for Testing:**

Technology option-I (TO-I): Tuber treatment with Trichoderma@ 10gram+100gram cow dung slurry + 1 litre of water for 30 minutes. On appearance of disease soil drenching with Carbandazim + mancozeb @ 1kg/ha.

Technology option-II (TO-II): Tuber treatment with Carbandazim + Mancozeb @ 2ml/lit, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. On appearance of disease soil drenching with Carbandazim + Mancozeb @ 1kg/ha.

ix. **Existing Practice:** Spraying of Carbandazim + Mancozeb@ 1kg/ha.

x. **Hypothesis:** Trichoderma incorporated with vermicompost increases its efficacy.

x1. **Objective(s):** To evaluate different Integrated Disease Management practices for
~~~~~Collar/vine rot in Yam

xi. **Treatments:**

**Farmers Practice (FP):** Spraying of Carbandazim + Mancozeb@ 1kg/ha

**Technology option-I (TO-I):** Tuber treatment with Trichoderma@ 10gram+100gram cow dung slurry + 1 litre of water for 30 minutes. On appearance of disease soil drenching with Carbandazim + mancozeb @ 1kg/ha.

**Technology option-II (TO-II):** Tuber treatment with Carbandazim + Mancozeb @ 2ml/lit, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. On appearance of disease soil drenching with Carbandazim + Mancozeb @ 1kg/ha

xiii. **Critical Inputs:** Trichoderma, Vermicompost, Carbandazim + Mancozeb

xiv. **Unit Size:** 0.2ha

xv. **No of Replications:** 07

xvi. **Unit Cost:** 700

xvii. **Total Cost:** 4900

xviii. **Monitoring Indicator:** No. of rotted vines/plant, Avg. wt. of corm, No. of affected plants/100 m<sup>2</sup>

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CTCRI,  
Annual report, 2016-17, 2017-18

#### **On-farm trials to be conducted\* OFT-4**

i. **Season:** Kharif, 2019

ii. **Title of the OFT:** ASSESSMENT OF YIELD PERFORMANCE OF DIFFERENT VARIETIES OF RAGI

iii. **Thematic Area:** varietal Evaluation

iv. **Problem diagnosed:** Low yield from existing Ragi variety

v. **Important Cause:** yield of Existing var. is low due to less no. of fingers/panicles, less tillers/hill

vi. **Production system:** Ragi-green gram

vii. **Micro farming system:** rainfed-Medium land

viii. **Technology for Testing:**

**Technology option-I (TO-I):** Cultivation Of Variety Bhairabi

**Technology option-II (TO-II):** Cultivation of Variety Arjun

**Technology option-III (TO-III):** Cultivation of variety Kalua

ix. **Existing Practice:** Cultivation of Ragi var. Budha mandia

x. **Hypothesis:** All the var. were high yielding with potential yield of 25-35q/ha..

xi. **Objective(s):** To evaluate yield performance of different varieties of Ragi

xii. **Treatments:**

**Farmers Practice (FP):** Cultivation of Ragi var. Budha mandia

**Technology option-I (TO-I):** Cultivation Of Variety Bhairabi

**Technology option-II (TO-II):** Cultivation of Variety Arjun

**Technology option-III (TO-III):** Cultivation of variety Kalua

- xiii. **Critical Inputs:** Ragi seed ,Fungicides
- xiv. **Unit Size:** 0.2 ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 500
- xvii. **Total Cost:** 2800
- xviii. **Monitoring Indicator:** No. of tillers/plant, No. of fingers/plant, test weight
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : CPR, Berhampur, 2015

**On-farm trials to be conducted\* OFT-5**

- i. **Season:** Kharif, 2019
- ii. **Title of the OFT: Assessment on POST-EMERGENCE WEEDICIDES FOR CONTROLLING WEED IN MAIZE**
- iii. **Thematic Area:** Integrated weed management
- iv. **Problem diagnosed:** Stunted growth, low yield due to heavy weed infestation
- v. **Important Cause:** Low yield due to weed infestation
- vi. **Production system:** Maize-fallow
- vii. **Micro farming system:** Rainfed-Up land
- viii. **Technology for Testing:**
  - Technology option-I (TO-I):** Application of new generation herbicide Topramezone 33.6%SC @ 25 g/ha at 20DAS
  - Technology option-II (TO-II):** Application of new generation herbicide Tembotrione @ 120 gram a.i./ha at 20DAS as POE.
- ix. **Existing Practice:** manual weeding
- x. **Hypothesis:** Both the herbicides are selective, post emergence herbicides. It controls broad leaf weeds, grass weeds in maize. It is a systemic herbicide absorbed by, roots and shoots
- xi. **Objective(s): To evaluate herbicides for controlling weeds in Maize.**
- xii. **Treatments:**
  - Farmers Practice (FP):** Manual weeding
  - Technology option-I (TO-I):** Application of new generation herbicide Topramezone 33.6%SC @ 25 g/ha at 20DAS
  - Technology option-II (TO-II):** Application of new generation herbicide Tembotrione @ 120 gram a.i./ha at 20DAS as POE.
- xiii. **Critical Inputs:** Herbicides
- xiv. **Unit Size:** 0.2 ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 1500
- xvii. **Total Cost:** 10500
- xviii. **Monitoring Indicator:** Weed density per sqm, dry biomass weight, WEED INDEX
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : IIMR,NEW DELHI, 2015, Chemical Science Reviews & letters,2017

#### **On-farm trials to be conducted\* OFT-6**

- i. **Season:** Kharif, 2019
- ii. **Title of the OFT:** ASSESSMENT OF PERFORMANCE OF BRINJAL VARIETIES FOR BACTERIAL WILT DISEASE MANAGEMENT
- iii. **Thematic Area:** varietal evaluation
- iv. **Problem diagnosed:** Low yield due to Unavailability of Suitable wilt tolerant variety.
- v. **Important Cause:** heavy wilt incidence in brinjal
- vi. **Production system:** vegetable -vegetable
- vii. **Micro farming system:** Irrigated up land
- viii. **Technology for Testing:** wilt tolerant varieties
- ix. **Existing Practice:** cultivation of wilt susceptible Utkal hybrid
- x. **Hypothesis:** Use of herbicide prevent germination of weeds , decrease weed competition , reduce cost of cultivation & increase yield
- xi. **Objective(s):** To evaluate efficacy of herbicide in okra  
To reduce cost of cultivation in manual weeding
- xii. **Treatments:**  
**Farmers Practice (FP):** Manual weeding  
**Technology option-I (TO-I):** Swarna Shree  
**Technology option-II (TO-II):** Swarna Shyamli
- xiii. **Unit Size:** 0.1 ha
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** 2500
- xvi. **Total Cost:** 17500
- xvii. **Monitoring Indicator:** Wilt % , No. of fruits /plant, Fruit weight
- xviii. **Source of Technology (Source :** ICAR –RCER ,Ranchi

#### **On-farm trials to be conducted\* OFT-7**

- i. **Season:** Rabi, 2019-20
- ii. **Title of the OFT:** ASSESSMENT OF HERBICIDE FOR CONTROLLING WEEDS IN OKRA
- iii. **Thematic Area:** weed management
- iv. **Problem diagnosed:** Poor growth, low yield & low income due to heavy weed infestation
- v. **Important Cause:** High cost in manual weeding
- vi. **Production system:** Rice-vegetable
- vii. **Micro farming system:** Irrigated medium land
- viii. **Technology for Testing:** Efficacy of herbicide
- ix. **Existing Practice:** Manual weeding
- x. **Hypothesis:** Use of herbicide prevent germination of weeds , decrease weed competition , reduce  
cost of cultivation & increase yield
- xi. **Objective(s):** To evaluate efficacy of herbicide in okra  
To reduce cost of cultivation in manual weeding
- xii. **Treatments:**  
**Farmers Practice (FP):** Manual weeding  
**Technology option-I (TO-I):** Pre-emergence application of Pendimethalin @ 2lit, /ha

**Technology option-II (TO-II):** Pre-emergence application of Pendimethalin + Post-emergence application of Quizalofop ethyle @ 1 lit./ha Critical Inputs:

- xiii. **Unit Size:** 0.1 ha
- xiv. **No of Replications:** 7
- xv. **Unit Cost:** 350
- xvi. **Total Cost:** 24540
- xvii. **Monitoring Indicator:** No. of weed/m<sup>2</sup> , weed control efficiency
- xviii. **weed control efficiency**
- xix. **Source of Technology (Source :** Dept. of Soil Science, OUAT, 2013)

**On-farm trials to be conducted\* OFT-8**

- i. **Season:** Kharif, 2018
- ii. **Title of the OFT:** Assessment of Amur carp for increasing fish production in polyculture system
- iii. **Thematic Area:** Production and management
- iv. **Problem diagnosed:** Slow growth rate & stocking rate of Mrigal (ab 30%) greatly hampers the average yield from unit area of culture
- v. **Important Cause:** Fast growing, Body is slender and belly is smaller, bottom feeder and can suitably substitute mrigal. Late maturing (First spawning at the end of first year), Accepts artificial feed and Not found susceptible for diseases
- vi. **Production system:** Polyculture system
- vii. **Micro farming system:**
- viii. **Technology for Testing:** Amur carp for increasing fish production in polyculture system
- ix. **Existing Practice:** Stocking catla: rohu:mrigal (no stocking of Amur carp)
- x. **Hypothesis:**
- xi. **Objective(s):** High yield of fishes due to stocking amur carp
- xii. **Treatments:**
  - Farmers Practice (FP):** Stocking ratio Catla: Rohu : Mrigal:: 30:40:30
  - Technology option-I (TO-I):** Stocking ratio Catla: Rohu : Mrigal :Amur carp :: 30:40:15:15
  - Technology option-II (TO-II):** Stocking ratio Catla: Rohu :Amur carp :: 30:40:30
- xiii. **Critical Inputs:** Amur carp
- xiv. **Unit Size:** 1 acre
- xv. **No of Replications:** 5
- xvi. **Unit Cost:** 2000
- xvii. **Total Cost:** 10000
- xviii. **Monitoring Indicator:** Growth Parameter:Avg. Body Wt. & Length, Survivability%, SGR (%); Water quality Parameter:Plankton, pH, DO<sub>2</sub>, Alkalinity, Hardness
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Karnataka Veterinary, Animal and Fisheries Sciences University, Bidar-2013

#### **On-farm trials to be conducted\* OFT-9**

- i. **Season:** Year round (kharif)
- ii. **Title of the OFT:** **Comparative assessment of multi-enzyme mixture and probiotics on growth of chickens in semi intensive system of rearing**
- iii. **Thematic Area:** LPM, Poultry management
- iv. **Problem diagnosed:** High feed consumption in chicken farming. High cost of feeding of poultry rearing. Low FCR due to under utilization of fiber in feed. High incidence of diarrhoea and diseases
- v. **Important Cause:** Morbidity & Mortality in Backyard poultry
- vi. **Production system:** Backyard
- vii. **Micro farming system:** Semi-intensive
- viii. **Technology for Testing:** Effect of probiotics and multienzyme on feed utilization and health
- ix. **Existing Practice:** Free ranging, no probiotics/ enzyme feeding
- x. **Hypothesis:** Probiotics and multi enzyme will increase the utilization of fiber in gut
- xi. **Objective(s):**
- xii. **Treatments:**
  - Farmers Practice (FP):** no supplement feeding
  - TO1:** Feeding of commercial broiler feed (added with probiotic mixture @ 0.05%) @50% of daily requirement and free range feeding for improved gut health and nutrient utilization.
  - TO2:** 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 & multienzyme
- xiv. **Unit Size:** 100
- xv. **No of Replications:** 100
- xvi. **Unit Cost:** 70
- xvii. **Total Cost:** 7000
- xviii. **Monitoring Indicator:** Body weight at 1.5, 2, 2.5, 3 month , morbidity, mortality, diarrhoea
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CARI 2017-18

#### **On-farm trials to be conducted\* OFT-10**

- i. **Season:** Year round (Rabi)
- ii. **Title of the OFT:** **Assessment of different concentrate mixture for nutritional management in CB heifer**
- iii. **Thematic Area:** LPM, Dairy management
- iv. **Problem diagnosed:** Improper nutrition of dairy heifer animals, late puberty, anestrus
- v. **Important Cause:** reproduction failure
- vi. **Production system:** Stall fed
- vii. **Micro farming system:** Semi-intensive
- viii. **Technology for Testing:** Different concentrate mixture for heifer health
- ix. **Existing Practice:** Feeding of straw and wheat bran
- x. **Hypothesis:** Concentrate mixture provides required protein for reproductive health of the heifer
- xi. **Objective(s):** to Improve reproductive parameters

- xii. **Treatments:**  
**Farmers Practice (FP):** Feeding of straw and wheat bran  
**TO1:** straw + Concentrate mixture 1 (Maize-50%, Wheat bran -13%, mustard oil cake-35%, mineral mix -1%, salt -1%)  
**TO2:** 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:** 10
- xv. **No of Replications:** 10
- xvi. **Unit Cost:** 150
- xvii. **Total Cost:** 15000
- 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

**On-farm trials to be conducted\* OFT-11**

- i. **Season:** Kharif, 2019
- ii. **Title of the OFT:** Assessment of different chemicals for controlling competitor moulds in paddy straw mushroom
- iii. **Thematic Area:** Small scale income generative activity
- iv. **Problem diagnosed:** Low yield of paddy straw mushroom due to moulds attack
- v. **Important Cause:** Low yield of paddy straw mushroom due to Competitor moulds attack in bed
- vi. **Production system:** Mushroom
- vii. **Micro farming system:** Homestead
- viii. **Technology for Testing:** Technology option-I (TO-I): Pre- soaking of the paddy straw bundle with 0.02% of Bleaching powder Technology option-II (TO-II): Pre soaking of the paddy straw bundle with 1% Calcium carbonate
- ix. **Existing Practice:** Cultivation of paddy straw mushroom in existing method and no management of moulds .
- x. **Hypothesis:** Pre- soaking of the paddy straw bundle with Bleaching powder/ Calcium carbonate may control different competitor moulds and increase yield.
- xi. **Objective(s):** To evaluate application of different chemical for control of competitor mould attack in paddy straw mushroom
- xii. **Treatments:**  
**Farmers Practice (FP):** Cultivation of paddy straw mushroom in existing method and no management of moulds  
**Technology option-I (TO-I):** Pre- soaking of the paddy straw bundle with 0.02% of Bleaching powder  
**Technology option-II (TO-II):** Pre soaking of the paddy straw bundle with 1% Calcium carbonate
- xiii. **Critical Inputs:** Bleaching powder and Calcium carbonate
- xiv. **Unit Size:** 210 beds
- xv. **No of Replications:** 7

- xvi. **Unit Cost:** 200
- xvii. **Total Cost:** 1400
- xviii. **Monitoring Indicator:** Pin head appearance(days), Days of first flush, Average fruit body wt, Biological Efficiency (%), Infected bed%
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : AICRP on Mushroom CTMRT 2014

**On-farm trials to be conducted\* OFT-12**

- i. **Season:** Rabi, 2019-20
- ii. **Title of the OFT:** Assessment on hanging type grain cleaners with sack holder for drudgery reduction
- iii. **Thematic Area:** Drudgery reduction
- iv. **Problem diagnosed:** High drudgery involved during cleaning of rice
- v. **Important Cause:** High drudgery and low efficiency of farm women during cleaning of rice
- vi. **Production system:**
- vii. **Micro farming system:** Homestead
- viii. **Technology for Testing:** Technology option-I (TO-I): Cleaning by using metallic sieve  
Technology option-II (TO-II): Cleaning by using hanging type grain cleaner with sack holder
- ix. **Existing Practice:** Cleaning by using bamboo made structure (kula)
- x. **Hypothesis:** Cleaning by using hanging type grain cleaner with sack holder may increase cleaning efficiency and reduce drudgery
- xi. **Objective(s):** To evaluate application of different chemical for control of competitor mould attack in paddy straw mushroom
- xiii. **Treatments:**  
Farmers Practice (FP):  
Technology option-I (TO-I): Cleaning by using metallic sieve  
Technology option-II (TO-II): Cleaning by using hanging type grain cleaner with sack holder
- xiv. **Critical Inputs:**
- xv. **Unit Size:**
- xvi. **No of Replications:** 7
- xvii. **Unit Cost:**
- xviii. **Total Cost:**
- xix. **Monitoring Indicator:** Cleaning Output(kg/hr) , Energy Expenditure(KJ/min), Saving in cardiac cost(%),WHR(beats/min)
- xx. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : Inventory on women friendly tools, 2016, ICAR, JNKVV,Jabalpur

### On-farm trials to be conducted\* OFT-13

- i. **Season:** Rabi
- ii. **Title of the OFT:** Assessment of yield performance of different varieties of oyster mushroom
- iii. **Thematic Area:** Small scale income generation
- iv. **Problem diagnosed:** Low yield of oyster mushroom due to low temperature
- v. **Important Cause:** yield of oyster mushroom var. *P sajorcaju* affect due to low temperature
- vi. **Production system:** Mushroom
- vii. **Micro farming system:** Homestead
- viii. **Technology for Testing:**  
Technology option-I (TO-I): Cultivation of oyster mushroom var. *Pleurotus ostreatus*  
Technology option-II (TO-II): Cultivation of oyster mushroom var. *Hypsizygus ulmarius*
- ix. **Existing Practice:** Cultivation of oyster mushroom var. *Pleurotus sajorcaju*
- x. **Hypothesis:** Cultivation of oyster mushroom var. *Pleurotus ostreatus*/ var. *Hypsizygus ulmarius* may give more yield during low temperature.
- xi. **Objective(s):** To evaluate the yield potentials of different variety of Oyster mushroom in low temperature.
- xii. **Treatments:**  
Farmers Practice (FP): Cultivation of oyster mushroom var. *Pleurotus sajorcaju*  
Technology option-I (TO-I): Cultivation of oyster mushroom var. *Pleurotus ostreatus*  
Technology option-II (TO-II): Cultivation of oyster mushroom var. *Hypsizygus ulmarius*
- xiii. **Critical Inputs:** Oyster mushroom, spawn, polythene bag
- xiv. **Unit Size:**
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 522
- xvii. **Total Cost:** 3654
- xviii. **Monitoring Indicator:** Pin head appearance(days), Days of first flush, average fruit body wt(gm), Biological Efficiency (%)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source : CTMRT, OUAT, 2012

### On-farm trials to be conducted\* OFT-14

- i. **Season:** Kharif
- ii. **Title of the OFT:** Assessment of different planting time for better market price of Tomato
- iii. **Thematic Area:** Integrated Crop Management
- iv. **Problem diagnosed:** Distress sale of Tomato in rabi season
- v. **Important Cause:** Distress sale and low income
- vi. **Production system:** Rice-Tomat

vii. **Micro farming system:** Irrigated medium land

viii. **Technology for Testing:**

Technology option-I (TO-I):

Technology option-II (TO-II):

ix. **Existing Practice:** on time planting

x. **Hypothesis:** Early or late planting may increase the price

xi. **Objective(s):** To evaluate planting date for higher income

xii. **Treatments:**

Farmers Practice (FP):

Technology option-I (TO-I):

Technology option-II (TO-II):

xiii. **Critical Inputs:** seed

xiv. **Unit Size:** 0.1ha

xv. **No of Replications:** 14

xvi. **Unit Cost:** 400

xvii. **Total Cost:** 56

xviii. **Monitoring Indicator:** Plant ht., No. of fruits/plant, Fruit wt., Disease & pest incidence,  
Market price

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

\*Repeat the same format for EACH OFT being proposed.

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

| Sl. No. | Name of the project | Fund expected (Rs.) |
|---------|---------------------|---------------------|
| 1       | NICRA               |                     |
|         | ARYA                |                     |
|         | NORWAY              |                     |
|         |                     |                     |
|         |                     |                     |

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

#### 12. Scientific Advisory Committee

| Date of SAC meeting held during 2018-19 | Proposed date during 2019-2020 |
|-----------------------------------------|--------------------------------|
| 2.12.19                                 |                                |

#### 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  | 210            |                |   |    |   |       |   |       |   |   | 21              | 1020                   |
| Water Samples |                |                |   |    |   |       |   |       |   |   |                 |                        |

|                        |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Other (Please specify) |  |  |  |  |  |  |  |  |  |  |  |  |
| Total                  |  |  |  |  |  |  |  |  |  |  |  |  |

**14. Fund requirement and expenditure (Rs.)\***

| <b>Heads</b>           | <b>Expenditure (last year) (Rs.) up to 31.03.2019</b> | <b>Expected fund requirement (Rs.)</b> |
|------------------------|-------------------------------------------------------|----------------------------------------|
| Repairing & Renovation |                                                       | <b>14,00,000/-</b>                     |
| Farm Machinery         |                                                       | <b>8,00,000/-</b>                      |
| <b>Total</b>           |                                                       | <b>22,00,000</b>                       |

\* Any additional requirement may be suitably justified.

**15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data**

Sd/-  
Senior Scientist & Head  
KVK, Ganjam-I