ACTION PLAN

2019-20

Contact Details:

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REVISED PROFORMA FOR ACTION PLAN 2019-2020

1. Name of the KVK: JAGATSINGHPUR

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2. Name of host organization : OUAT, Bhubaneswar

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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
Nutrient Management	Green manuring in rice	1	1	OFC	June second week									30
Weed Management	Chemical weed management in rice	1	2	ONC	July last week									30
Water management	Cultural management of water submergence in rice	1	1	OFC	August first week									30
Crop Management	Seed treatment & its importunate	1	2	ONC	November second week									30
Crop Management	Management of rice fallow area	1	1	OFC	December last week									30
Weed Management	Chemical weed management in Greengram	1	1	ONC	January last week									30
Nutrient Management	Importance of secondary nutrients in oilseed	1	1	OFC	October last week									30
Weed Management	Chemical weed management in groundnut	1	1	OFC	November third week									30
Crop Management	Summer ploughing &	1	1	OFC	February last week									30

	its importance													
Crop Management	Crop residue management	1	1	OFC	March first week									30
Nutrient Management	Nutritional Management of Drumstick var. PKM-1 and Bhagya	1	2	OFC	Second week of October									30
Pest Management	Use of Bio-pesticides for Management of Bacterial wilt in brinjal.	1	2	OFC	Second week of November									30
Pest Management	Wilt tolerant varieties of brinjal with their characteristics.	1	1	OFC	Third week of November									30
Nursery raising	Technique of raising vegetable seedlings using pro-trays.	1	1	OFC	Second week of September									30
Nutrient management	Technique of enriching coco pit with Arka Microbial Consortium.	1	2	OFC	Third week of October									30
Water management	Mulching technique in Tomato crop	1	1	OFC	First week of November									30
Nutrient management	Methods of application of Arka vegetable special in Okra.	1	2	OFC	First week of November									30
Nutrient management	Micro-nutrient management in cauliflower.	1	1	OFC	Second week of October									30
Insect management	Management of BPH & WBPH in rice	1	2	OFC	sept 2nd week									30
Insect management	Management of Leaf folder in rice	1	2	OFC	may last week									30
Disease management	Chemical Management of sheath blight in rice	1	2	OFC	june 1st week									30
Insect management	Application of chemicals for vector control in green gram	1	2	OFC	jan 1st week									30

Disease management	Application of Bio-pesticides for Management of Bacterial wilt in brinjal.	1	2	OFC	Oct 2nd week									30
Insect management	Mechanical measures for brinjal fruit and shoot borer	1	2	OFC	July 3rd week									30
Insect management	Bio agent release and their role against brinjal fruit & shoot borer	1	2	OFC	Sept 2nd week									30
Insect management	Use of control measures against leaf minor in tomato	1	2	OFC	Feb. 1st week									30
Pisciculture	Pre-stocking management in fish culture pond	1	2	OFC	July first week									30
Pisciculture	Culture practice of Amur carp along with IMC	1	2	OFC	July second week									30
Pisciculture	Culture practice of Jayanti Rohu along with IMC	1	2	OFC	August first week									30
Pisciculture	Liming and manuring in fish culture pond and its importance	1	2	OFC	August second week									30
Pisciculture	Yearling culture and its benefits in fish farming	1	2	OFC	September first week									30
Poultry farming	Nutritional deficiency diseases of poultry birds	1	2	ONC	June second week									30
Dairy farming	Management of Dairy cows in post-partum period	1	2	ONC	July 3rd week									30
Fodder cultivation	Hydroponic maize fodder	1	2	ONC	August second									30

	preparation for cows				week									
Dairy farming	Management practices for rearing of female calves.	1	1	OFC	September first week									30
Poultry farming	Vaccination and disease management in poultry birds	1	1	OFC	October last week									30
Fodder cultivation	Fodder cultivation: Hybrid napier, Maize, Guinea grass, cowpea, rice bean.	1	2	ONC	November second week									30
Feed management	Feeding and disease management in goat farming.	1	1	OFC	December first week									30
Nutrient management	Technique of soil sample collection	1	2	OFC	3rd & May									30
Nutrient management	Management of micronutrient deficiency in rice crop	1	2	OFC	2nd & July									30
Nutrient management	Use of secondary & micro nutrient in cole crops	1	2	OFC	1st & November									30
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	2	OFC	Ist& July									30
Nutrient management	Use of Biofertilizer in pulse crop	1	1	ONC	Ist& December									30
Nutrient management	Use of secondary and micronutrient management in tomato crop	1	2	ONC	3rd & November									30
Nutrient management	Technique of soil sample collection	1	2	OFC	3rd & December									30
Nutrient management	Management of acid soil	1	2	OFC	2nd & June									30
Nutrient management	Management of saline soil	1	2	OFC	2nd & January									30

Nutrient management	Methods of compost preparation	1	2	ONC	2nd & October									30
Drudgery reduction	Use of 3-row manual rice transplanter in medium land for drudgery reduction of farm women	1	1	OFC	2nd week of July									30
Mushroom Cultivation	Water & humidity management In paddy straw mushroom	1	1	ONC	1st week of August									30
Mushroom Cultivation	Caning & packaging of Paddy straw mushroom	1	2	OFC	2nd week of August									30
Nutritional Security	Designing of nutritional garden	1	1	OFC	1st week of June									30
Post-Harvest management	Preparation of value added products from tomato	1	2	ONC	1st week of Jan.									30
Mushroom Cultivation	Using diff. substrates for Oyster mushroom cult.	1	2	OFC	1st week of Nov.									30
Drudgery reduction	Use of cycle weeder in brinjal for drudgery reduction of farm women	1	1	OFC	1st week of Dec.									30
Mushroom Cultivation	Cultivation of different varieties of Oyster mushroom by farm women	1	2	OFC	2nd week of Nov.									30
Mushroom Cultivation	Paddy straw mushroom cultivation by using threshed straw by farm women	1	2	OFC	1st week of July									30

(b) Rural youths

Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**

Seed Production	Paddy seed production	1	4	ONC	July second week									20
Nursery Management	Seedling raising technique in Cauliflower.	1	2	ONC	First week of October									20
Floriculture	Cultivation of Marigold	1	2	ONC	First week of November									
Organic Farming	Organic farming	1	4	ONC	august 1st week									20
Pest management	Production Of Botanicals Inputs For Pest Control	1	4	ONC	march 1st week									20
Pisciculture	Fry to fingerlings production in small and seasonal pond	1	2	ONC	June last week									20
Feed management	Preparation of feed from non-conventional feed sources: Silage making, UMMB preparation.	1	2	ONC	January second week									20
Dairy farming	Ration balancing in dairy cows	1	1	ONC	November first week									20
Duckery	Duck farming.	1	1	ONC	August second week									20
Vermicomposting	Technique of vermicompost production	1	3	ONC	3rd & August									20
Mushroom spawn Production	Spawn culture preparation	1	5	ONC	1st week of Oct.									20

(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**
Integrated farming system	Integrated farming system for livelihood security	1	2	ONC	February First week									20
Hi-tech Horticulture	Protected cultivation of High value vegetable crops.	1	1	ONC	Third week of December									20
Pest Management	Integrated pest	1	2	ONC	July 2nd week									20

	management modules for control of sucking pests in vegetables													
Dairy farming	Parasitic disease management in cows.	1	1	ONC	November second week									20
Income generation activities	Homestead vocation for farmwomen	1	1	ONC	1st week of January									20
Nutrient management	Use of soil health card for balance dose of manure and fertilizer application	1	2	ONC	4th & June									20

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												90
Resource Conservation Technologies	01												30
Cropping Systems	01												30
Crop Diversification													
Integrated Farming													
Water management	01												30
Seed production													
Nursery management													
Integrated Crop Management	01												30
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	02												60
TOTAL	09												270
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	04												120
Water management	01												30
Enterprise development													
Skill development													
Yield increment	01												30
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	02												60
Exotic vegetables like Broccoli													
Export potential vegetables													

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
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	08												240
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													
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	02												60
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs	02												60
Management of Problematic soils													
Micro nutrient deficiency in crops	03												90
Nutrient Use Efficiency													
Soil and Water Testing	03												90

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													
TOTAL	10												300
IV. Livestock Production and Management													
Dairy Management	02												60
Poultry Management	02												60
Piggery Management													
Rabbit Management													
Disease Management	01												30
Feed management	03												90
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL	08												240
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	02												60
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	02												60
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	05												150
TOTAL	09												270
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													
VII. Plant Protection													
Integrated Pest Management	06												180
Integrated Disease Management	01												30
Bio-control of pests and diseases	01												30
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	08												240
VIII. Fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated fish farming	01												30
Carp breeding and hatchery management	01												30
Carp fry and fingerling rearing	02												60
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any	01												30
TOTAL	05												150
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**57**												**1710**

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													
Integrated farming													
Seed production	01												20
Production of organic inputs	02												40
Planting material production													
Vermi-culture	01												20
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	02												40
Training and pruning of orchards													
Value addition													
Production of quality animal products	01												
Dairying													20
Sheep and goat rearing													
Quail farming													
Piggery													

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
Rabbit farming													
Poultry production	01												20
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	01												20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)	02												40
TOTAL	11												220

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	01												20

crops													
Integrated Pest Management	01												20
Integrated Nutrient management	01												20
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	01												20
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	01												20
Livestock feed and fodder production													
Household food security													
Women and Child care	01												20
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	06												120

4. **Frontline demonstration to be conducted***

FLD-1

Crop: Rice
Thrust Area: Problem soil
Thematic Area: Saline soil management
Season: Kharif 2019
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Dhaincha	2	Green manuring through *Sesbania aculeate* in paddy to reduce the salinity problem	Initial Soil test value of pH and EC and SOC. No. of tillers m2, No. of filled grain per panicle, 1000 grain weight (gm)												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	Demonstration of green manuring in rice	01	F & FW	01	OFF									50
Training	Green manuring in rice	01	F & FW	01	OFF									30

FLD-2

Crop: Black gram
Thrust Area: Low yield due to no use of fertilizer in Black gram
Thematic Area: Nutrient management
Season: Rabi 2019-20
Farming Situation: Rainfed- Lowland/medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Black gram	2	Application of RDF of Blackgram in shape of DAP and MOP at PI stage of Rice and foliar application of 1% DAP+1% MOP at 20 and 40 DAS of Blackgram .	Pod no per plant, no of filled pod/plant, pod weight per plant, seed yield per plant												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	Demonstration on Nutrient management Blackgram for Rice-blackgram paira cropping system	01	F & FW	01	OFF									50
Training	Management of rice fallow area	01	F & FW	01	OFF									30

FLD-3

Crop: Groundnut
Thrust Area: Low oil yield
Thematic Area: Nutrient management
Season: Rabi 2019
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Groundnut	2	Application sulpher @30 kg/ha and Boron @ 1.25 kg /ha as Borax	Initial Soil test value of pH, S and B, Pod wt/Plant, no of filled with bold kernel /plant												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	Demonstration on Secondary and micro nutrient application in Groundnut	01	F & FW	01	OFF									50
Training	Importance of secondary nutrients in oilseed	01	F & FW	01	OFF									30

FLD-4

Crop: Green gram
Thrust Area: Low yield due to weed dynamics
Thematic Area: Weed management
Season: Rabi, 2019-20
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Green gram	2	Pendimethalin @ 1 kg/ha as pre emergence at 1-2 DAS followed by Imazethapyr @ 75 g/ha as post emergence at 20 DAS	Weed flora composition, Weed control efficiency, pod wt/plant, grain weight /plant												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	Demonstration on Chemical weed management in Greengram	01	F & FW	01	OFF									50
Training	Chemical weed management in Greengram	01	F & FW	01	OFF									30

FLD-5

Crop: Cauliflower
Thrust Area: Integrated Crop Management
Thematic Area: Nutrient management
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Cauliflower	1.0	Soil Test based Fertilizer+ Seed treatment with Arka Microbial Consortium @10g/100g seed + Soil application with 5 kg AMC mixed with 500 kg FYM. It is a carrier based product which contains N-fixing, P & Zn solubilizing and plant growth promoting microbes as a single formulation which reduces cost of cultivation and increases yield by 10-15%.	Curd wt(g), curd size(cm)	Arka Microbial Consortium											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 Arka Microbial Consortium (Microbial Plant Growth Promoters) for enhancing yield in Cauliflower.	01	F & FW	01	OFF									50
Training	Micro-nutrient management in cauliflower	01	F & FW	01	OFF									30

FLD-6

Crop: Okra
Thrust Area: Integrated Crop Management
Thematic Area: Nutrient management
Season: Kharif, 2019-20
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Okra	1.0	Application of Arka vegetable Micro-nutrient formulation as spray after flowering @10-20 g/litre	No. of fruits/plant, Fruit wt.(g), Fruit yield(kg)/plant	Arka Microbial Consortium											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 application of Micro-nutrient mixture for increasing fruit yield in Okra.	01	F & FW	01	OFF									50
Training	Methods of application of Arka vegetable special in Okra	01	F & FW	01	OFF									30

FLD-7

Crop: Capsicum
Thrust Area: Integrated Crop Management
Thematic Area: Varietal Substitution
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Capsicum	1	Variety-Indra- F1, medium early, very productive variety Average fruit wt.-170 g Expected yield -350-400 qt./ha.	Height of plant(cm), No. of branches/plant, No. of fruits/plant, Yield/plant	Variety-Indra											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 Capsicum variety- Indra	01	F & FW	01	OFF									50
Training	Nursery raising of capsicum	01	F & FW	01	OFF									30

FLD-8

Crop: **Yard Long Bean**
Thrust Area: Integrated Crop Management
Thematic Area: Varietal Substitution
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Yard long bean	1	Cultivation of Yard long bean variety "Arka Mangala"	Pod length (cm), No. of pods/ plant, Pod yield/ plant.	Yard long bean variety "Arka Mangala"											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 Yard Long Bean variety "Arka Mangala" for higher yield	01	F & FW	01	OFF									50
Training	Nutrient management in Yard long bean	01	F & FW	01	OFF									30

FLD-9

Crop: Rice
Thrust Area: Low yield due to BPH/WBPH attack
Thematic Area: Integrated Pest management
Season: Kharif, 2019-20
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
1	Rice	2	Making alleys at a distance of 2 m in paddy field. use of spider trap @ 25/ha, need based Alternate Spraying of flonicamid 50 WG @ 150 gm /ha and neem based pesticide 3000 ppm @ 1.5l/ha at 10 days interval	Pest monitoring ,No of hoppers /plant	flonicamid 50 WG, Neemarin											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	Demonstration of management of BPH and WBPH in Kharif rice	01	F & FW	01	OFF									50
Training	Management of BPH & WBPH in rice	01	F & FW	01	OFF									30

FLD-10

Crop: Green gram
Thrust Area: Low yield due to YMV in greengarm
Thematic Area: Integrated Disease management
Season: Kharif, 2019-20
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Green gram	2	Seed treatment with Imidacloprid 600 FS @ 5 ml / kg seed + Yellow sticky trap @ 50/ha + Neem oil 5 @5ml/lit spray on appearance of white fly on YST + Spraying of Diafenthiuron 50 WP @ 312.5 g a.i./ha	Stage of the plant, Pest monitoring ,pest count/leaf/plant, no. of infested leaves /m2	Yellow sticky trap,Diafenthiuron											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	Demonstration of Integrated management of YMV in green gram	01	F & FW	01	OFF									50
Training	Management of YMV in green gram	01	F & FW	01	OFF									30

FLD-11

Crop: Chilli
Thrust Area: Low yield due to pest attack
Thematic Area: Insect management
Season: Kharif, 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Chilli	2	Soil application of neem cake @2.5 qt/ha, Installation of Blue sticky traps @50nos/ha, & need based application of Difenthiuron @1gm/lt&Spiromesifen 240 SC @ 0.6ml/ lit alternately at 10 days interval	No of sucking pests in three leaves , no of nymphs and adults /three leaves	Blue sticky traps, Difenthiuron,Spiromesifen 240 SC											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	Demonstration of integrated management for sucking pest complex in chilli during Rabi season	01	F & FW	01	OFF									50
Training	Management Sucking pest complex in Chilli	01	F & FW	01	OFF									30

FLD-12

Crop: Brinjal
Thrust Area: Plant mortality due to wilt
Thematic Area: Integrated Disease management
Season: Kharif, 2019-20
Farming Situation: Irrigated Upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Brinjal	2	Seed treatment with (Metalaxyl + Mancozeb) @ 2gm/kg followed by soil application of T viridae@ 5kg /ha at planting with FYM and soil drenching with Carbendazim 0.15% + Streptocycline 0.015%	% of wilting ,type of wilting(Bact.&Fungal)	Metalaxyl + Mancozeb, T viridae, Carbendazim,Streptocycline											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	Demonstration of Integrated management of wilt complex of brinjal during Kharif	01	F & FW	01	OFF									50
Training	Management wilt complex in Brinjal	01	F & FW	01	OFF									30

FLD-13

Crop: Rice
Thrust Area: Low yield due to no use of micronutrient particularly boron
Thematic Area: Soil health management
Season: Kharif 2019
Farming Situation: Rainfed low land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Rice	02	STBR NPK + foliar spray of 0.25% borax at Panicle Initiation stage and at pre flowering stage.	Initial and after harvest soil test value, No. of tillers/ m2, No. of filled grain per panicle, Sterility %, 1000 grain weight (gm)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Management of micronutrient deficiency in rice crop	01		02	OFF									30
Field Day	Demonstration on boron application in low land rice	01		01	OFF									50

FLD-14

Crop: Greengram
Thrust Area: Lower yield due to improper nutrient management
Thematic Area: Soil health management
Season: Rabi' 2019-20
Farming Situation: Rainfed-medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Greengram	02	Soil test based NPK with FYM @ 5 t/ha and seed inoculation with Rhizobium @ 20g/kg seed and treatment with ammonium molybdate @ 10 g /25 kg of seed.	Nodule no/plant, Nodules wt/plant, pod wt/plant, grain weight /plant												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Use of biofertilizer in pulse crop	01		01	OFF									30
Field day	Integrated nutrient management in green gram	01		01	OFF									50

FLD-15

Crop: Tomato
Thrust Area: No use of secondary nutrient in Sulphur
Thematic Area: Soil health management
Season: Rabi-2019-20
Farming Situation: Irrigated Upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Tomato	01	STBR NPK(120:60:80 kg/ha) + FYM@10 t/ha + S @ 25 kg/ ha at the time of transplanting	Initial and after harvest soil test value, No of fruits per plant, Fruit weight, Fruit yield per plant												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Use of seconary and micronutrient management in tomato crop	01		02	OFF									30
Field day	Demonstration on sulphur application in tomato	01		01	OFF									50

FLD-16

Crop/Enterprise: Vermicomposting
Thrust Area: Inadequate availability of FYM for crops & its low nutrient status
Thematic Area: Soil health management
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Vermicomposting	01	Composting cow dung and leafy materials in the ratio of 3:10 in the vermicompost polythene bag size of 8'x4'x2.5' with release of earthworm (variety: *Eiseniafoetida*) @ 1kg per quintal of waste material.	Nutrient status of vermicompost ,												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	Different methods of compost preparation & its application techniques	01		02	OFF									30
Skill Development	Vermicompost producer	01		25	ON									20
Exposure/field day	Demonstration of production technology of Vermicompost	01		01	OFF									50

FLD-17

Crop/Enterprise Pisciculture
Thrust Area: Low Income
Thematic Area: Composite fish culture
Season: Kharif, 2019-20
Farming Situation: 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Fish	2	Stocking Catla:JayantiRohu:Mrigal@ 3:4:3 with stocking density @ 10000 fingerlings /Ha	Growth rate ,FCR, Plankton density, Alkalinity												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	Demonstration of "Jayanti Rohu"in composite carp culture for more yield	01	F & FW	01	OFF									50
Training	Culture practice of Jayanti Rohu along with IMC	01	F & FW	01	OFF									30

FLD-18

Crop/Enterprise Pisciculture
Thrust Area: Low Income
Thematic Area: Composite fish culture
Season: Kharif, 2019-20
Farming Situation: 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Fish	2	Stocking of catla: rohu :mirgal:amur carp @ 3:4:1.5:1.5 @ 10000 nosfingerlimgs/ha	Avg. wt. ,growth rate (%)												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	FLD-19 Demonstration of Amur carp in composite pisciculture	01	F & FW	01	OFF									50
Training	Culture practice of Amur carp along with IMC	01	F & FW	01	OFF									30

FLD-19

Crop/Enterprise Short Videos
Thrust Area: Information & communication technology
Thematic Area: Information & communication technology
Season: Rabi-2019-20
Farming Situation:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Short Videos		**Demo:** Preparation of small videos (1.5-2.0 minutes) on different activities of production process of selected commodities 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												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
Publication	Demonstration on effectiveness of short technology videos on technology adoption	01			OFF									

FLD-20

Crop/Enterprise Poultry
Thrust Area: Poultry farming
Thematic Area: Poultry Management
Season: Round the year 2019-20
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Poultry		Rearing of dual purpose chicken SPL-01 in semi-intensive system with proper brooding, feeding and vaccination.	Body weight at 2 months and 3 months, mortality rate.												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	Demonstration on rearing of dual purpose poultry bird SPL-01 in semi-intensive system.	01	F & FW	01	OFF									50
Training	Vaccination and disease management in poultry birds	01	F & FW	01	OFF									30

FLD-21

Crop/Enterprise Hybrid Napier
Thrust Area: Non Cultivation of fodder crops
Thematic Area: Fodder Cultivation
Season: Round the year 2019-20
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Hybrid Napier		Hybrid Napier (CO-4) cultivation and feeding	Feed intake/cow/day, milk production in kg/cow/day, change in milk fat and SNF%.												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	Demonstration on Hybrid Napier (CO-4) fodder production in dairy farming.	01	F & FW	01	OFF									50
Training	Fodder cultivation: Hybrid napier, Maize, Guinea grass, cowpea, rice bean.	01	F & FW	01	OFF									30

FLD-22

Crop/Enterprise Goatery
Thrust Area: Kid mortality
Thematic Area: Feed management
Season: Rabi 2019-20
Farming Situation: Semi intensive goat 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Gotary		Rearing of mother goats (Does) in last month of pregnancy and early lactation (during the period scarsity 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												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	Demonstration on concentrate feeding in mother goats (Does) for reducing kid mortality	01	F & FW	01	OFF									50
Training	Feeding and disease management in goat farming	01	F & FW	01	OFF									30

FLD-23

Crop/Enterprise Poultry
Thrust Area: Chick mortality
Thematic Area: Brooding management
Season: Round the year 2019-20
Farming Situation: 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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Poultry		Brooding management for 28 days with floor space of 0.3 sq ft/bird with help of chick guards, artificial heat @ 1-3 watt per chick , feeders and drinkers @ 1 each per 50 chicks, vaccination with against RD on 7th day, 28 day, IBD on 14th day . Use of electrolytes, preventive antibiotics during brooding	Chick mortality rate during brooding period, body weight at 28 days, survivability of birds till start of laying												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	Demonstration on artificial brooding management in chicks.	01	F & FW	01	OFF									50
Training	Vaccination and disease management in poultry birds	01	F & FW	01	OFF									30

FLD-24

Crop/Enterprise: Wheel cycle weeder
Thrust Area: Women in Agriculture
Thematic Area: Drudgery reduction
Season: Rabi 2019-20
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Wheel cycle weeder	1	Weeding along interspaces of rows in Brinjal 2-3 times at 15 days interval with wheel cycle weeder.	Energy expenditure rate (KJ/min), WHR (beats/min),% reduction in drudgery, % increase in efficiency,	Cycle weeder											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	Demonstration of Wheel Cycle Weeder in Brinjal for drudgery reduction of farmwomen	1	FW	1	Off									50
Training	Use of cycle weeder in brinjal for drudgery reduction of farm women	01	F & FW	01	OFF									30

FLD-25

Crop: Mushroom
Thrust Area: Women in Agriculture
Thematic Area: Mushroom cultivation
Season: Rabi 2019-20
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Mushroom	200 beds	Demonstration of Oyster mushroom var:Hyspizyous ulmarious during low temp.	Duration (days for fruiting) Wt of fruiting bodies(gm), No.of fruit body per bed, Length & breadth of fruit body	Spawn,polythene sheet,,food supplement											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	Demonstration of Oyster mushroom var: Hyspizyous ulmarious	01	F & FW	01	OFF									50
Training	Cultivation of diffrent varieties of Oyster mushroom by farm women	01	F & FW	01	OFF									30

FLD-26

Crop: Mushroom
Thrust Area: Women in Agriculture
Thematic Area: Mushroom cultivation
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Mushroom	200 beds	Production of paddy straw mushroom with threshed straw	Days to first flush, Size of fruiting body,	Spawn, polythene sheet,,food supplement											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	Demonstration of paddy straw mushroom with threshed straw	01	F & FW	01	OFF									50
Training	Paddy straw mushroom cultivation by using threshed straw by farm women	01	F & FW	01	OFF									30

FLD-27

Crop: Nutritional garden
Thrust Area: Women in Agriculture
Thematic Area: Nutritional security
Season: Kharif 2019 &Rabi 2019-20
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Nutritional garden	10 units (size 20*10 m.)	A nutritional garden with trailis 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	Vegetable seed & seedling											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	Demonstration of nutritional garden for Improving Nutritional Security of farm family	01	F & FW	01	OFF									50
Training	Designing of nutritional gardening	01	F & FW	01	OFF									30

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

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

Name of the Crop / Enterprise	Variety / Type	Period From…… to ……..	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Pooja	Kharif 2019	4.0	Foundation	150	2,80,000/-	4,54,650/-	1,74,650/-
Paddy	Gayatri	Kharif 2019	3.0	Foundation	110	2,10,000/-	3,63,720/-	1,53,720/-
Green gram	IPM 02-14	Summer 2020	2.0	Foundation	8	50,000/-	80,000/-	30,000/-
Arecanut seedling	Mohitnagar	Kharif 2019	5000 Nos.	Sapling	5000 Nos.	75000/-	100000	25000
Papaya seedling	Red lady	Rabi 2019	1000 Nos.	Sapling	1000 Nos.	10000/-	20000	10000
Drumstick seedling	PKM-1, Bhagya	Rabi 2019	2000 Nos.	Sapling	2000 Nos.	10000/-	20000	10000
Tomato seedling	Arka Rakshak	Rabi 2019	10000 Nos.	Seedling	10000 Nos.	5000/-	10000	5000
Brinjal seedling	Arka Anand	Rabi 2019	10000 Nos.	Seedling	10000 Nos.	5000/	10000	5000
Chilli seedling	ArkaHarita	Rabi 2019	10000 Nos.	Seedling	10000 Nos.	5000	10000	5000
Capsicum seedling	Arka Mohini	Rabi 2019	10000 Nos.	Seedling	10000 Nos.	5000	10000	5000
Cauliflower seedling	Arka Vimal	Rabi 2019	10000 Nos.	Seedling	10000 Nos.	5000	10000	5000
Poultry day old chicks	Rainbow Rooster	Rabi 2019	3000Nos.	Bird	3000Nos.	1,50,000/-	1,80,000/-	30,000/-
Duckling	Khaki Campbell	Rabi 2019	200Nos.	Bird	200Nos.	10,000/-	12,500/-	2,500/-
Vermi compost	*Eusinea foitida*	Kharif & Rabi 2019-20	2 t	Vermicompost	2 t	10,000/-	20,000/-	10,000/-
Mushroom spawn	*V. volvacea* *P. sajorcaju*	Kharif 2019 Rabi2019-20	500	Mushroom spawn	500	7,500/-	10,000/-	2,500/-
Paddy straw mushroom	*V. volvacea*	Kharif 2019	1 q	Paddy straw mushroom	1 q	8,000/	10,000/-	2,000/-
Oyster mushroom	*P. sajorcaju*	Rabi 2019-20	1 q	Oyster mushroom	2 q	4,000/-	12,000/-	8,000/-

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		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	25										750
2.	KisanMela	03										600
3.	KisanGhosthi	2										30
4.	Exhibition	5										Mass
5.	Film Show	20										600
6.	Method Demonstrations	30										900
7.	Farmers Seminar	5										200
8.	Workshop	5										mass
9.	Group meetings	50										1000
10.	Lectures delivered as resource persons	15										450
11.	Advisory Services	48										mass
12.	Scientific visit to farmers field	150										4500
13.	Farmers visit to KVK	1500										1500
14.	Diagnostic visits	50										1000
15.	Exposure visits	10										200
16.	Ex-trainees Sammelan	2										40
17.	Soil health Camp	3										150
18.	Animal Health Camp	3										150

19.	Agri mobile clinic	0										0
20.	Soil test campaigns	5										250
21.	Farm Science Club Conveners meet	2										40
22.	Self Help Group Conveners meetings	3										60
23.	MahilaMandals Conveners meetings	3										60
24.	Celebration of important days (Soil day. Farmers Day, Agrl. Education Day, Jay kisan joy vigyan, mahila divas, World food day, World meteorological day, *Partheniunm* awareness week, Technological week celebration)	10										500
25.	Sankalp Se Siddhi	1										100
26.	Swatchta Hi Sewa	10										500
27.	MahilaKisanDiwas	1										50
28.	Any Other ()	-										-
	Total	1961										13630

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
4,01,581.30	8,00,000.00	11,00,000.00

8. **Expected fund from other sources and its proposed utilization**

Project	Source	Amount to be received (Rs. in lakh)
District Agro-met Unit	ICAR	4,80,000.00
ICAR-CIMMYT	ICAR	1,60,000.00

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

OFT-1

i. **Season:** Kharif 2019
ii. **Title of the OFT:** Assessment of submergence tolerant rice variety
iii. **Thematic Area:** Varietal assessment
iv. **Problem diagnosed:** Lower yield due to less tolerant of local varieties to water logging
v. **Important Cause:** Non availability of submergence tolerant rice varieties
vi. **Production system:** Rice- Greengram/Black gram/Vegetables
vii. **Micro farming system:** Rainfed-Lowland
viii. **Technology for Testing: Introduction of submergence tolerant rice varieties**
ix. **Existing Practice:** Cultivation of Swarna variety
x. **Hypothesis:** Cultivation of submergence tolerant rice varieties like Swarna Sub 1 & CR 1009 sub1 helps the farmers to overcome plant mortality & low yield problems due to water logging
xi. **Objective(s):**To evaluate suitable submergence tolerant rice varieties
xii. **Treatments:**
Farmers Practice (FP): Cultivation of Swarna
Technology option-I (TO-I): Cultivation of submergence tolerant, Swarna Sub 1
Technology option-II (TO-II): Cultivation of submergence tolerant, CR 1009 sub 1
xiii. **Critical Inputs:** Seed
xiv. **Unit Size:** 0.15 ha
xv. **No of Replications:** 7
xvi. **Unit Cost: Rs.** 800/-
xvii. **Total Cost: Rs.** 5600/-
xviii. **Monitoring Indicator:** Water submergence period, Effective panicles/m^2, No of Filled grains /Panicle, 1000 grain weight
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NRRI, Cuttack, Odisha,2014 & TNAU, Coimbatore 2015

OFT-2

i. **Season:** Kharif 2019
ii. **Title of the OFT:** Assessment of herbicides for weed management in transplanted *kharif* rice
iii. **Thematic Area:** Weed Management
iv. **Problem diagnosed:** Low yield
v. **Important Cause:** Low yield due to high weed infestation and high cost due to manual weeding
vi. **Production system:** Rice- Greengram
vii. **Micro farming system:** Rainfed-Medium land
viii. **Technology for Testing:** Introduction of some new herbicides
ix. **Existing Practice:** Pre emergence application of Pretilachlor 50 EC @ 500 ml/ha at 3 DAT + HW at 30 DAT
x. **Hypothesis:** Spraying of Herbicides like Pendimethalin *fb* Bispyribac sodium / Bensulfuron methyl 0.6% + Pretilachlor 6.0% helps the farmers to reduce weed population bellow ETL & at the same time helps to increase the yield of Rice
xi. **Objective(s):** To evaluate suitable Rice herbicides
xii. **Treatments:**

Farmers Practice (FP): Pre emergence application of Pretilachlor 50 EC @ 500 ml/ha at 3 DAT + HW at 30 DAT
Technology option-I (TO-I): Pre emergence application of herbicide (Bensulfuron methyl 0.6% + Pretilachlor 6.0%) @ 10 kg/ha at 4 DAT
Technology option-II (TO-II): Application of Pendimethalin @ 750 g/ha as pre-emergence application i.e 0-3 DAT followed by Bispyribac sodium @ 25 g/ha as post-emergence i.e 25 DAT

xiii. **Critical Inputs:** Herbicides
xiv. **Unit Size:** 0.15 ha
xv. **No of Replications:** 7
xvi. **Unit Cost:** Rs. 800/-
xvii. **Total Cost:** Rs. 5600/-
xviii. **Monitoring Indicator:** Weed flora composition, Weed control efficiency Effective panicles/m2, No of Filled grains /Panicle, 1000 grain weight
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** RRTTS, Ranital, Odisha, 2015 & AICRP on Weed management, Odisha, 2015

OFT-3

i. **Season:** Rabi, 2019-20
ii. **Title of the OFT:** Assessment of different methods of portrays nursery raising for quality seedling production in tomato.
iii. **Thematic Area:** Nursery management
iv. **Problem diagnosed:** High seedling mortality in main field
v. **Important Cause:** High seedling mortality in main field due to root damage by hand pulling.
vi. **Production system:** Vegetable-Vegetable
vii. **Micro farming system:** Irrigated- Medium land
viii. **Technology for Testing:** Seedling raising in Pro-trays with Arka Microbial Consortium Fermented cocopeat
ix. **Existing Practice:** Seedling raising in Nursery bed.
x. **Hypothesis:** Seedlings raised in Pro-trays with Arka Microbial Consortium Fermented cocopeat may produce quality seedlings and less mortality in main field.
xi. **Objective(s):**1.To evaluate suitable method for raising quality seedlings.
2.To reduce the seedling mortality in main field.
x. **Treatments:**

Farmers Practice (FP): Seedling rising in Nursery bed.
Technology option-I (TO-I): Use of normal cocopeat for seedling production using CIWA technology.

Technology option-II (TO-II): Use of Arka Microbial Consortium Fermented Cocopeat for raising seedlings.

xi. **Critical Inputs:** Pro-trays, Cocopeat and Arka Microbial Consortium
xii. **Unit Size:** 5nos. Pro-trays, 1 kg. Cocopeat and 1 g. Arka Microbial Consortium
xiii. **No of Replications:** 7
xiv. **Unit Cost:** Rs.600/-
xv. **Total Cost:**Rs.4200/-
xvi. **Monitoring Indicator:** Seedling mortality percentage, Height and no of leaves per seedling, Days to seedling readiness for transplanting
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-CIWA, Bhubaneswar & ICAR-IIHR, Bangalore

OFT-4

i. **Season: Kharif 2019**
ii. **Title of the OFT:** Assessment of drumstick varieties for higher yield.
iii. **Thematic Area:** Varietal evaluation
iv. **Problem diagnosed:** Low yield of local cultivars.
v. **Important Cause:** Low yield due to cultivation of local cultivars.
vi. **Production system:** Vegetable-Vegetable
vii. **Micro farming system:** Irrigated upland
viii. **Technology for Testing:** Introduction of High yielding varieties like Bhagya/PKM-1
ix. **Existing Practice:** Cultivation of local cultivars.
x. **Hypothesis:** High yielding varieties like Bhagya/PKM-1 of Drumstick may increase the yield.
xi. **Objective(s):**To evaluate High yielding variety of Drumstick.
xii. **Treatments:**
Farmers Practice (FP): Cultivation of local cultivars.
Technology option-I (TO-I): Drumstick variety Bhagya.
Technology option-II (TO-II): Drumstick variety PKM-1.
xiii. **Critical Inputs:** Seedlings
xiv. **Unit Size:** 500 m^2
xv. **No of Replications:** 7
xvi. **Unit Cost:** Rs.300/-
xvii. **Total Cost:** Rs.2100/-
xviii. **Monitoring Indicator:** Pod length, No of pods per plant, Pod yield (q/ha)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** SAU **(**UHS, Bagalkot) & SAU(TNAU, Coimbatore).

OFT-5

i. **Season:** Kharif 2019
ii. **Title of the OFT:** Integrated management practice of Sheath Blight in rice during Kharif
iii. **Thematic Area:** Integrated Disease Management
iv. **Problem diagnosed:** Lack of knowledge about alternative control measures & Lack of use of associated cultural practices as component of IDM
v. **Important Cause: yield loss**
vi. **Production system: Rice -green gram**
vii. **Micro farming system:** Irrigated medium land
viii. **Technology for Testing:**
ix. **Existing Practice:** Use of Hexaconazole 5 EC or Validamycin 3% @ 2.0 ml/lit of water after disease appearance

x. **Hypothesis: Application of following technologies may be effectively manage the Sheath blight disease in rice**

xi. **Objective(s): Reduce the disease incidence and increase yield**

xii. **Treatments:**

Farmers Practice (FP): Use of Hexaconazole 5 EC or Validamycin 3% @ 2.0 ml/lit of water after disease appearance

Technology option-I (TO-I): Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection

Technology option-II (TO-II): Spraying of Trifloxystrobin 25%+Tebuconazole 50% 75 WG twice after 30 & 60 DAT

xiii. **Critical Inputs:** Azoxystrobin+ difenconazole,Trifloxystrobin 25%+Tebuconazole 50% 75 WG

xiv. **Unit Size: 0.20ha**

xv. **No of Replications:** 13

xvi. **Unit Cost:** Rs. 450/-

xvii. **Total Cost:** Rs. 6000/-

xviii. **Monitoring Indicator:** Infected tillers /m^2

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT, AICRP RICE, CHIPLIMA-2018 & NRRI, ANNUAL REPORT-2014

OFT-6

i. **Season:**

ii. **Title of the OFT:** Rabi, 2019-20

iii. **Thematic Area:** Assessment of integrated pest management against surpentine leaf minor in kharif tomato

iv. **Problem diagnosed:** Suitable chemical control measure is not available

v. **Important Cause:**

vi. **Production system: Vegetable-Vegetable**

vii. **Micro farming system:** Irrigated Upland

viii. **Technology for Testing:**

ix. **Existing Practice:** Application of Chloro +Cyper @2ml/lit after initiation of pest infestation

x. **Hypothesis: application of following management practices may be effectively control the pest incidence.**

xi. **Objective(s):**

xii. **Treatments:**

Farmers Practice (FP): Application of Chloro +Cyper @2ml/lit after initiation of pest infestation

Technology option-I (TO-I): Removal of alternate host, growing of seedlings in protected condition, pruning of affected leaves from the beginning, placing of plastic trays@10-12/ha at the base of the plant for monitoring and alternate spraying of Abamectin @1.4ml/lt & Cryomazine 50WP @ 2gm/ltr at 10 days interval

Technology option-II (TO-II): Removal of alternate host,growing of seedlings in protected cultivation, pruning of affected leaves from the beginning, placing of plastic trays @10-12/ha at the base of the plant for monitoring and alternate spraying of Cartap hydrochloride 50 SP @ 2gm/ ltr of water & Spinosad 45 SC @ 1ml/ 3 ltr of water at 10 days interval

xiii. **Critical Inputs:** Abamectin, Cryomazine, Cartap hydrochloride 50 SP

xiv. **Unit Size:** 0.2ha

xv. **No of Replications:** 13

xvi. **Unit Cost:** Rs. 450/-

xvii. **Total Cost:** Rs. 5800/-

xviii. **Monitoring Indicator:** No of infested leaves /plant

xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Annual report Kerla Agriculture Univ., 2015

OFT-7

i. **Season: Kharif 2019**
ii. **Title of the OFT:** Assessment of zinc deficiency in lowland rice
iii. **Thematic Area:** Nutrient management
iv. **Problem diagnosed:** Low yield
v. **Important Cause:** Micronutrient deficiency in soil (Zinc)
vi. **Production system:**Rice-rice, Rice-Greengram
vii. **Micro farming system:**Kharif/Clay loam soil/ Irrigated or Rainfed,
viii. **Technology for Testing:**
ix. **Existing Practice:**No use of micronutrient (Zn)
x. **Hypothesis:**
xi. **Objective(s):**To increase yield
xii. **Treatments:**
Farmers Practice (FP): No use of micronutrient (Zn)
Technology option-I (TO-I): Soil Test Based Recommendation (STBR) NPK+ Zn @ 5 kg ha^{-1}
Technology option-II (TO-II): STBR NPK + 5t FYM ha^{-1}
+ Zn @ 2.5 kg ha^{-1}
xiii. **Critical Inputs: FYM and zinc sulphate**
xiv. **Unit Size:** 0.15 ha
xv. **No of Replications:** 7
xvi. **Unit Cost:** Rs. 715/-
xvii. **Total Cost:** Rs. 5000/-
xviii. **Monitoring Indicator:** Initial and after harvest soil test value, Root growth(cm), Plant height, No. of tillers m2, No. of filled grain per panicle, 1000 grain weight (gm)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on LTFE, OUAT, Bhubaneswar, Odisha, 2014 & AICRP on Micronutrient, OUAT, Bhubaneswar, Odisha, 2014

OFT-8

i. **Season:** Rabi, 2019-20
ii. **Title of the OFT:** Assessment of Sulphur and Boron for curd quality and higher yield in cauliflower.
iii. **Thematic Area:** Nutrient Management
iv. **Problem diagnosed:** Low curd keeping quality, flavor and yield due to secondary and micro nutrient deficiency
v. **Important Cause:** Deficiency of sulphur and boron
vi. **Production system:** Rice–vegetable (cauliflower)
vii. **Micro farming system:** Rabi/Clay loam soil/ Irrigated
viii. **Technology for Testing:**
ix. **Existing Practice:** No use of secondary nutrient (S) and Indiscriminate use of micronutrient (B)
x. **Hypothesis:**
xi. **Objective(s):**To increase curd keeping quality, flavor and yield
xii. **Treatments:**
Farmers Practice (FP): No use of secondary nutrient (S) and Indiscriminate use of micronutrient (B)
Technology option-I (TO-I): STBR (NPK) + Sulphur @ 30 kg ha^{-1} as basal application
Technology option-II (TO-II): STBR (NPK) + Sulphur @ 30 kg ha^{-1} + 1kg Boron as basal application
Technology option-III (TO-III): STBR (NPK) + 1 kg Boron as basal application
xiii. **Critical Inputs:** Borax and gypsum
xiv. **Unit Size:** 0.15 ha
xv. **No of Replications:** 5

xvi. **Unit Cost:** Rs. 1400/-
xvii. **Total Cost:** Rs. 7000/-
xviii. **Monitoring Indicator:** Curd weight (gm), plant spread (cm), no. of days harvesting, soil test value (before sowing and after harvesting)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Micronutrient, OUAT, Bhubaneswar, Odisha, 2016

OFT-9

i. **Season:** Rabi-2019-20
ii. **Title of the OFT: OFT-9 :** Assessment of different planting time for better market price of Tomato
iii. **Thematic Area:** Market led extension
iv. **Problem diagnosed:** Distress sale of Tomato in rabi season
v. **Important Cause: Market glut in rabi season**
vi. **Production system: Vegetable-Vegetable**
vii. **Micro farming system:** Irrigated- Medium land
viii. **Technology for Testing:** Different planting time
ix. **Existing Practice:** Planting in October first week
x. **Hypothesis:** Suitable planting time may fetch good price to the farmer
xi. **Objective(s):** To find suitable planting time for better market price of Tomato
xii. **Treatments:**
Farmers Practice (FP):
Technology option-I (TO-I): Planting of seedling 15 days before onset of normal planting period
Technology option-II (TO-II): Planting of seedling 15 days after completion of normal planting period
xiii. **Critical Inputs:** Seeds
xiv. **Unit Size:** 10 Nos. of farmer
xv. **No of Replications: 5**
xvi. **Unit Cost:** 200/-
xvii. **Total Cost:** 1000/-
xviii. **Monitoring Indicator:** Plant height, No. of fruits/plant, Fruit weight, Disease & pest incidence, Market price
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

OFT-10

i. **Season:** Rabi, 2019-20
ii. **Title of the OFT:** Assessment of bypass fat feeding for increasing milk production in dairy cows
iii. **Thematic Area:** Feed Management
iv. **Problem diagnosed:** Low milk quality (fat%, SNF%), milk production (persistency of milk production) decreased, Decreased body condition of cows post-partum,
v. **Important Cause: Negative energy Balance in post partum period**
vi. **Production system: Dairy Farming**
vii. **Micro farming system: Semi intensive Dairy farming**
viii. **Technology for Testing:**
ix. **Existing Practice:** For 8-10 Kg of milk/day paddy straw 6-8 kg/day, wheat bran and compound feed 6-7 Kg/day, 20-30 gm mineral mixture, grazing as per land availability and convenience.
x. **Hypothesis:** Bypass fat feeding leads to increase in milk yield and milk solid content in dairy cows**.**
xi. **Objective(s):1.** To assess the milk yield of cows in bypass fat supplemented and non supplemented group in first three months of lactation.2. To assess the milk composition of cows in bypass fat supplemented non supplemented group. 3. Compare the first 3 month of lactation milk yield and milk composition of bypass fat supplemented and non supplemented group.
xii. **Treatments:**

Farmers Practice (FP): For 8-10 Kg of milk/day paddy straw 6-8 kg/day, wheat bran and compound feed 6-7 Kg/day, 20-30 gm mineral mixture, grazing as per land availability and convinience.
Technology option-I (TO-I): Feeding of oil cakes with mineral supplementation @ 60-80gm/day/cow.
Technology option-II (TO-II): Bypass fat supplementation @ 15 gm/kg milk yield with mineral mixture supplementation @ 60-80gm/day/cow.

xiii. **Critical Inputs: Bypass fat and mineral mixture**
xiv. **Unit Size: 1 cow**
xv. **No of Replications: 20**
xvi. **Unit Cost: 800/-**
xvii. **Total Cost: 16000/-**
xviii. **Monitoring Indicator:** Average Milk price (in Rs) and Milk yield in Kg during first period of bypass fat feeding
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NDDB 2015-16

OFT-11

i. **Season:** Rabi, 2019-20
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:** Feed management
iv. **Problem diagnosed:** High feed consumption in chicken farming, High cost of feeding and unfeasibility of poultry rearing & Low FCR due to underutilization of fibers in feed.
v. **Important Cause: Low utilization of feed due to innate absence of fiber degrading enzymes in birds**
vi. **Production system: Poultry farming**
vii. **Micro farming system: Semi intensive poultry farming**
viii. **Technology for Testing:**
ix. **Existing Practice:** Confined feeding of colour birds with commercial feed in confined housing. Unbalanced feeding in backyard rearing of birds.
x. **Hypothesis:** Supplementation of Multi enzyme mixture and probiotics increases growth rate of birds.
xi. **Objective(s):** 1. To assess the body weight of birds in multi enzyme mixture supplemented group. 2. To assess the body weight of birds in probiotics treated group. 3. To make a comparison in body weights in multi enzyme mixture and probiotics supplemented group.
xii. **Treatments:**
Farmers Practice (FP): Confined feeding of colour birds with commercial feed in confined housing or unbalanced feeding in backyard rearing of birds without any feed supplementation.
Technology option-I (TO-I): Feed supplementation with probiotics added feed
Technology option-II (TO-II): Feed supplementation with multi enzyme mixture added feed
xiii. **Critical Inputs: dual purpose developed chicks, multi enzyme mixture, probiotics.**
xiv. **Unit Size:15**
xv. **No of Replications: 20**
xvi. **Unit Cost: 750**
xvii. **Total Cost: 15000/-**
xviii. **Monitoring Indicator:** Body weight at 1.5, 2, 2.5, 3 month,
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CARI 2015-16 and CARI 2016-17

OFT-12

i. **Season:** Kharif 2019
ii. **Title of the OFT:** Assessment of 3-row Rice transplanter in Rice for drudgery reduction of farmwomen
iii. **Thematic Area:** Drudgery reduction
iv. **Problem diagnosed:** High drudgery in manual transplanting of paddy
v. **Important Cause:** To reduce drudgery of farmwomen
vi. **Production system:** Paddy-vegetable
vii. **Micro farming system:** Rainfed, medium-land
viii. **Technology for Testing:**
ix. **Existing Practice:** Staggered transplanting of paddy seedling manually
x. **Hypothesis**: maintains the uniform line spacing and and average field capacity 160-180 m^2/hr.,having EER-20.6 kj/min & WHR 127 beats/min.
xi. Objective(s): Suitable for small and marginal farmer, saving cost in weeding & interculture operation
xii. **Treatments:**
Farmers Practice (FP): Staggered transplanting of paddy seedling manually
Technology option-I (TO-I): Line transplanting of paddy seedling with recommended line spacing of 20cm with the help of rope..
Technology option-II (TO-II): Transplanting of paddy seedling by 3 row rice transplanter
xiii. **Critical Inputs:** 15 – 20 days old mat-type seedlings,3-row rice transplanter
xiv. **Unit Size:** 500 m^2
xv. **No of Replications:** 7
xvi. **Unit Cost:** 500/-
xvii. **Total Cost:** 3500/-
xviii. **Monitoring Indicator:** Output(m^2/hr.), Energy expenditure (KJ/Min), Heartbeat (beats/min), Increase in efficiency(%), Drudgery(%)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Ergonomics & Safety in Agri., CAET, OUAT 2014

OFT-13

i. **Season:** Kharif 2019
ii. **Title of the OFT:** Assessment of humidity/moisture management in paddy straw mushroom
iii. **Thematic Area:** Mushroom Cultivation
iv. **Problem diagnosed:** Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature
v. **Important Cause:** Low yield due to low humidity
vi. **Production system:** Mushroom-mushroom
vii. **Micro farming system:** Homestead
viii. **Technology for Testing:**
ix. **Existing Practice:** Cultivation of paddy-straw mushroom with paddy straw substrate (3 layers)
x. **Hypothesis:** covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall increase mushroom production
xi. **Objective(s):** To increase mushroom production by control humidity & moisture
xii. **Treatments:**
Farmers Practice (FP): Cultivation of paddy-straw mushroom with paddy straw substrate (3 layers)
Technology option-I (TO-I): Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition.

Technology option-II (TO-II): Cultivation of PSM with bundle straw substrate (3 layers) with covering the floor with sand in moist condition and spreading wet gunny bag along the windows / wall

Critical Inputs:

xiii. **Unit Size:**20 bed/farmwoman

xiv. **No of Replications:** 10

xv. **Unit Cost:** 800/-

xvi. **Total Cost:** 8000/-

xvii. **Monitoring Indicator:** Days to first flush, Size of fruit budding, Average fruit body wt. Pin head appearance (Days), Biological efficiency,

xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT-2014 (KVK- Bargarh)

*Repeat the same format for EACH OFT being proposed.

Case Study

Title: Consumer preference study for various vegetables in the district

Expected output: Result of the study will help the farmers to plan market led production for better price and will enable the KVK for utilizing farmers' preference in selection of varieties for KVK intervention.

Identified vegetables: Brinjal, Chilli, Cucumber, Bitter gourd, Okra

Sl.No.	Name of the Vegetable	Parameters to be studied	Highly preferred	Moderately preferred	Less preferred
1	Brinjal	Colour: (Green/Black/Purple/ White)			
		Size: (Large/ Medium/ Small)			
		Shape: (Elongated/ Round/ Oval/ Oblong)			
		With thorn/ thorn less			
		Preference for specific production pockets			
2	Chilli	Colour: (Green/Black/White)			
		Size:(Large/ Medium/ Small)			
		Shape: (Round/Slender/ Medium robust)			
		Pungency			
		Aroma			
		Preference for specific production pockets			
3	Cucumber	Colour: (Green/ White)			
		Size: (Large/ Medium/Small)			
		Texture: (Smooth/Fine)			
		Preference for specific production pockets			
4	Bittergourd	Colour: (Dark green/ Green/ White)			
		Size: (Large/ Medium/Small)			
		Firm spine/ smooth spine			
		Preference for specific production pockets			
5	Okra	Colour: (Green/ Dark green/ Violet)			
		Size: (Large/ Medium/Small)			
		Soft/Hard			
		Preference for specific production pockets			

Any other suitable parameters can be taken keeping in view the consumer preferences in a specific district.

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	District Agro-met Unit	4,80,000.00
2	ICAR-CIMMYT	1,60,000.00

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

1. Capsicum cultivation– A boon for Farmers.
2. Mushroom cultivation-A profitable enterprise for WSHGs.
3. Green Manuring –A sustainable method for maintaining soil health.
4. Composite Pisciculture- For self employment.
5. Backyard poultry- An income generating activity for landless farm women.

12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
12.12.2018	Last week of July 2019

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	500											
Water Samples	50											
Other (Please specify)	-											
Total	550											

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
KVK Contingency	10,00,000.00	16,00,000.00
TA	75,000.00	1,10,000.00
HRD	-	30,000.00
Non-Recurring	7,00,000.00	8,10,000.00
Skill Development Training	3,59,440.00	3,59,440.00
Cluster Demonstration on Pulses	3,60,000.00	3,60,000.00
Repairing of Staff Quarter	7,95,000.00	-
Total	32,89,440.00	31,69,440.00

* 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