



# Action Plan 2021-22

## **KRISHI VIGYAN KENDRA, BHADRAK**

**ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY,  
BHUBANESWAR  
ICAR ATARI, KOLKATA**

At/PO: Ranital, Dist: Bhadrak,  
Odisha, PIN: 756 111  
Phone/Fax: +91 6784 265825  
Mail ID:kvkbhadrak.ouat@gmail.com; kvkbhadrak.od@gov.in

## REVISED PROFORMA FOR ACTION PLAN 2022

### 1. Name of the KVK:

Address	Telephone	E mail
At/PO- Ranital, Dist; Bhadrak, PIN 756 111, Odisha	06784 265825	<a href="mailto:kvkbhadrak.ouat@gmail.com">kvkbhadrak.ouat@gmail.com</a> <a href="mailto:kvkbhadrak.od@gov.in">kvkbhadrak.od@gov.in</a>

### 2. Name of host organization:

Address	Telephone		E mail
	Office	FAX	
Siripur, Bhubaneswar, PIN 751003	06742466140	06742397424	<a href="mailto:registrarouat@gmail.com">registrarouat@gmail.com</a>

### 3. Training programme to be organized

#### (a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/ Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Weed management	Weed management in rice	1	1	Off	June, 21							25	5	30
Nutrient management	Fertilizer management in rice	1	1	Off	June, 21							30	0	30
Crop production	Crop planning in irrigated command rabi/summer	1	1	Off	Nov, 21							30	0	30
ICM	Integrated crop management in sunflower	2	2	Off	Dec, 21							45	15	60
RCT	Zero till planting and line planting in greengram	1	1	Off	Oct, 21							20	10	30
Biofertilizer production	Production technology for raising Azolla nursery	2	2	Off	June, July, 21							55	5	60
Production of organic inputs	Vermicompost production and its uses	3	6	Off	July, Aug, Nov, 21							60	30	90
Nutrient management	Role of micronutrients and their management in cole crops	1	1	Off	Nov, 21							10	20	30
Nutrient management	Role of biofertilizer in vegetable crops	2	2	Off	Dec, 21							45	15	60

IPM	Integrated pest management in rice	1	1	Off	Aug, 21							25	5	30
IPM	IPM strategy for management of leaf curl and mealy bug in papaya	1	1	Off	Oct, 21							25	5	30
IPM	Integrated pest management in bittergourd	1	1	Off	Oct, 21							20	10	30
IPM	IPM in brinjal	1	1	Off	Dec, 21							25	5	30
IPM	IPM in sunflower	1	1	Off	Jan, 22							25	5	30
INM	Integrated Nutrient management technique in cauliflower	1	1	Off	June, 21							30	-	30
IDM	Integrated Disease management in Pointed Gourd	1	1	Off	July, 21							30	-	30
Cultivation of vegetables	Trellies in cucrbits	1	1	Off	Aug, 21							30	-	30
ICM	Improved cultivation practices of hybrid tomato	1	1	Off	Sep, 21							30	-	30
IFS	Low input intensive vegetable and fruit crops on dykes of small ponds	1	1	Off	Oct, 21							30	-	30
Protected cultivation	Cultivation of low volume and high value crop under polyhouse condition	1	1	Off	Nov, 21							30	-	30
Nursery raising	Nursery Management of vegetable crops	1	1	Off	Dec, 21							30	-	30
ICM	Production technology for cultivation of gynodioceous variety of papaya	1	1	Off	Jan, 22							30	-	30
Aquatic Animal Nutrition	Feeding management in pisciculture tanks	1	1	Off	July, 21							27	3	30
Production. & Management	Pre-stocking management in pisciculture tanks	1	1	Off	July, 21							27	3	30
IDM	Common parasitic infections in fish & its remedial measures	1	1	Off	Aug, 21							28	2	30
Production & Management	Post- stocking management in pisciculture tanks	1	1	Off	Aug, 21							28	2	30

Integrated Farming	Integrated fish farming	1	1	Off	Aug, 21								26	4	30
Production & Management	Fish seed production technology in small tanks	1	1	Off	Sept, 21								28	2	30
Production & Management	Adverse aquatic environment & its remedial measures	1	1	Off	Sept, 21								26	4	30
Production & Management	Scientific GIFT tilapia farming	1	1	Off	Nov, 21								27	3	30
Production and management	Manuring of pond for enhanced fish productivity	1	1	Off	Dec, 21								26	4	30
Dairy management	Important diseases and their management in dairy animals	1	1	Off	Aug, 21								30	0	30
Mushroom production	Cultivation practices of different varieties of oyster mushroom	1	1	Off	Nov, 21								15	15	30
Mushroom	Packaging technology in mushroom	1	1	Off	Aug 21								15	15	30
Poultry	Brooding management of poultry chicks by women SHGs	1	1	Off	Sept 21								15	15	30
Mushroom	Cultivation practices of paddy straw mushroom by using loose straw	1	1	Off	July 21								15	15	30
Nutritional security	Nutritional garden for nutritional security of farm families	1	1	Off	Aug 21								15	15	30
Mushroom	Disease and pest management in paddy straw mushroom	1	1	Off	July 21								15	15	30
Capacity Building and Group Dynamics	Formation and management of SHGs	1	1	Off	Aug, 21								0	30	30
Programmes and Schemes	Awareness on different schemes in agriculture and allied departments	1	1	Off	Sept, 21								20	10	30
Entrepreneurship Development	Entrepreneurship development among rural youth	1	1	Off	Oct, 21								15	15	30

ICT	Application of ICT in agriculture	1	1	On	Nov, 21							20	10	30
Capacity Building and Group Dynamics	Group dynamics and formation of farmers organisation	1	1	Off	Dec, 21							20	10	30
ITK	Use of ITK in agriculture	1	1	Off	Sept. 21							20	10	30
Nursery management	Techniques of Teak stumps preparation	1	1	Off	May, 21							22	8	30
Nursery management	Propagation technology of bamboo species	1	1	Off	June, 21							24	6	30
Bee keeping	Flora management for honeybees	1	1	Off	July, 21							21	9	30
Forestry	Management practices of Mahogany plants	1	1	Off	Aug, 21							20	10	30
Forestry	Silvicultural operations of Acacia spp.	1	1	Off	Sept, 21							22	8	30
Integrated Farming Systems	Management of woody and non-woody components in the IFS unit	1	1	Off	Oct, 21							14	16	30
	<b>Grand Total</b>	<b>55</b>	<b>58</b>									<b>1261</b>	<b>389</b>	<b>1650</b>

**(b) Rural youths**

Thematic area	Title of Training	No	Duration	Venue On /Off	Tentative Month	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Soil health management (Soil sc)	Method of soil sampling, analysis and interpretation of results	1	5	On	Aug, 21							15	5	20
Production of organic inputs (Soil Sc)	Vermicomposting & vermiwash production	1	3	On	Sept, 21							15	5	20
Nursery management of horticultural crops (Hort)	Production technology and commercial propagation of mango, pineapple, lemon and cashew.	1	3	On	Sep, 21							15	05	20
Quality Planting material production (Hort)	Quality planting material production in floriculture crops	1	3	On	Nov, 21							17	03	20
Bee keeping (Ento)	Scientific beekeeping for	1	4	On	Oct, 21							15	5	20

	entrepreneur development																	
Production & Management (Fishery sc)	Year round stunted fingerlings production techniques	1	3	On	Sep, 21											15	5	20
Production & Management (Fishery sc)	Biofloc fish farming technology	1	3	On	Nov, 21											15	5	20
Mushroom production (Home sc)	Skill training on mushroom production	2	6	On	Aug & Sept, 21											10	30	40
Value addition (Home sc)	Preservation of Fruits and Vegetables	1	3	On	Oct, 21											4	16	20
Spawn production (Home sc)	Scientific technique of mushroom spawn production	1	5	On	Oct, 21											8	12	20
	<b>Total</b>	<b>11</b>	<b>38</b>													<b>129</b>	<b>91</b>	<b>220</b>

**(c) Extension functionaries**

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Month	No. of Participants													
						SC		ST		Other		Total							
						M	F	M	F	M	F	M	F	T					
Crop Production (Agron)	Improved agronomy for rice based cropping system	1	1	On	Oct, 21														20
Soil health management (Soil Sc)	Nutrient management through Soil Health Card and its interpretation	1	2	On	Jan, 22														20
Production of organic inputs (Soil Sc)	Recycling of farm wastes	1	2	On	Feb, 22														20
Protected cultivation (Horticulture)	Production technology for Protected cultivation of Vegetable crops	1	1	On	Sept, 21														20
Agronomy of Hort crops (Horticulture)	Different kind of trellis system in cucurbits	1	1	On	Nov, 21														20
IPM (Plant protection)	Recent advances in pest management	1	2	On	Sep, 21														20

Production & Management (Fishery Sc)	Recent advances in freshwater aquaculture	1	1	On	Nov, 21													20
Production & Management (Fishery Sc)	Use of probiotics in BW shrimp farming	1	1	On	Dec, 21													20
Nutritional security (Home Sc)	Household food security by nutritional gardening	1	1	On	Nov, 21													20
Nutritional security (Home Sc)	Low cost supplementary food preparation for pre-school children	1	1	Off	Jan, 22													20
SHG management (Ag Ext)	Formation and management of SHGs	1	1	Off	Aug, 21													20
	<b>Total</b>	<b>11</b>	<b>14</b>															<b>220</b>

### 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									
<b>I. Crop Production</b>																			
Weed Management	1												25	5	30				
Resource Conservation Technologies	1												20	10	30				
Cropping Systems																			
Crop Diversification																			
Integrated Farming																			
Water management																			
Seed production																			
Nursery management																			
Integrated Crop Management	2												45	15	60				
Fodder production																			
Nutrient management	1												30	0	30				
Crop production	1												30	0	30				
<b>TOTAL</b>	<b>6</b>												<b>150</b>	<b>30</b>	<b>180</b>				
<b>II. Horticulture</b>																			
<b>a) Vegetable Crops</b>																			
Integrated nutrient management	1												30	-	30				
Water management																			

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
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising	1										30	-	30
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1										30	-	30
Cultivation of Vegetable	1										30	-	30
Integrated crop management	1										30	-	30
Integrated disease management	1										30	-	30
Integrated pest management													
Integrated Farming System	1										30	-	30
<b>TOTAL</b>	<b>8</b>										<b>210</b>	<b>0</b>	<b>210</b>
<b>b) Fruits</b>													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1										30	-	30
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	1										30	-	30
<b>c) Ornamental Plants</b>													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
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													
<b>d) Plantation crops</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
<b>e) Tuber crops</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
<b>f) Spices</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
<b>g) Medicinal and Aromatic Plants</b>													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
<b>III. Soil Health and Fertility Management</b>													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management	3										55	35	90
Production and use of organic inputs	3										60	30	90
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Biofertilizer production	2										55	5	60
Others, if any													
<b>TOTAL</b>	<b>8</b>										<b>170</b>	<b>70</b>	<b>240</b>

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			
<b>IV. Livestock Production and Management</b>													
Dairy Management													
Poultry Management	1										15	15	30
Piggery Management													
Rabbit Management													
Disease Management	1										30	-	30
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
<b>TOTAL</b>	<b>2</b>										<b>60</b>	<b>-</b>	<b>60</b>
<b>V. Home Science/Women empowerment</b>													
Household food security by kitchen gardening and nutrition gardening	1										15	15	30
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													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Mushroom production	4										60	60	120
<b>TOTAL</b>	<b>5</b>										<b>75</b>	<b>75</b>	<b>150</b>
<b>VI. Agril. Engineering</b>													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													

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			
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
<b>TOTAL</b>													
<b>VII. Plant Protection</b>													
Integrated Pest Management	5										120	30	150
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
<b>TOTAL</b>	<b>5</b>										<b>120</b>	<b>30</b>	<b>150</b>
<b>VIII. Fisheries</b>													
Integrated fish farming	2										52	8	60
Carp breeding and hatchery management	1										28	2	30
Carp fry and fingerling rearing													
Composite fish culture & fish disease	3										82	8	90
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	2										53	7	60
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													
Pre and post stocking management of ponds	1										28	2	30
<b>TOTAL</b>	<b>9</b>										<b>243</b>	<b>27</b>	<b>270</b>
<b>IX. Production of Inputs at site</b>													
Seed Production													
Planting material production													

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			
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													
<b>TOTAL</b>													
<b>X. Capacity Building and Group Dynamics</b>													
Leadership development													
Group dynamics	1										20	10	30
Formation and Management of SHGs	1										0	30	30
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1										15	15	30
WTO and IPR issues													
Awareness on knowledge for socio-economic development	3										60	30	90
<b>TOTAL</b>	<b>6</b>										<b>95</b>	<b>85</b>	<b>180</b>
<b>XI Agro-forestry</b>													
Production technologies	2										42	18	60
Nursery management	2										46	14	60
Integrated Farming Systems	2										35	25	60
<b>TOTAL</b>	<b>6</b>										<b>123</b>	<b>57</b>	<b>180</b>
<b>XII. Others (Pl. Specify)</b>													
<b>TOTAL</b>	<b>55</b>										<b>1261</b>	<b>389</b>	<b>1650</b>

## 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	3										18	42	60
Bee-keeping	1										15	5	20
Integrated farming													
Seed production													
Production of organic inputs	1										15	5	20
Planting material production	1										17	03	20
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1										15	05	20
Training and pruning of orchards													
Value addition	1										4	16	20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													

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	1										15	5	20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Soil sampling & analysis	1										15	5	20
Biofloc fish farming	1										15	5	20
<b>TOTAL</b>	<b>11</b>										<b>129</b>	<b>91</b>	<b>220</b>

### 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			
Integrated crop management	2												40
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	1												20
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1												20
Formation and Management of SHGs	1												20
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													

Management in farm animals														
Livestock feed and fodder production														
Household food security														
Women and Child care														
Low cost and nutrient efficient diet designing	2													40
Production and use of organic inputs	1													20
Gender mainstreaming through SHGs														
Crop intensification														
Others if any														
Integrated Pest and Disease Management	1													20
Training and Pruning														
Shrimp farming	1													20
Freshwater aquaculture	1													20
<b>TOTAL</b>	<b>11</b>													<b>220</b>

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

##### FLD1: Demonstration on BPH tolerant rice varieties

**Crop:** Rice

**Thrust Area:** Improvement of productivity of rice

**Thematic Area:** Varietal evaluation

**Season:** Kharif, 2021

**Farming Situation:** Irrigated Medium-shallow low land, transplanted rice

**Farmers Practice:** cultivation of rice var. Swarna sub1

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	4 ha	Rice var. Hasant (NPK 80-40-40), Soil test fertilizer dose, IPM	No of BPH/hill, GLH/hill, EBT/hill, Spikelet sterility %, Grain yield, Net income, B:C											10		10

#### Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated pest management in rice	1	F/FW	1	Off							30		30
Field Day	Field day on BPH tolerant rice variety Hasanta	1	F/FW, extension functionaries	1	Off							45	5	50



**FLD2: Demonstration on Integrated weed management module for managing weeds in kharif rice**

**Crop:** Rice

**Thrust Area:** Improvement of productivity of rice

**Thematic Area:** IWM

**Season:** Kharif, 2021

**Farming Situation:** Irrigated Medium-shallow low land, transplanted rice

**Farmers Practice:** Hand weeding at 25 & 45 DAT

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	4 ha	Fenoxaprop-p-ethyl + Ethoxysulfuron (50+15 g/ha) at 15 days after transplanting(DAT) + HW at 45 DAT	Weed count, No.of tillers/m2, no.of grains/ear, WCE, Grain yield, Net income, B:C ratio											10		10

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Weed management in rice	1	F/FW	1	Off							30		30
Field day	Field day on rice var Hasanta	1	F/FW, extension functionaries	1	Off							35	5	40

**FLD3: Demonstration on Rate and schedule of fertilizer application in sunflower**

**Crop:** Sunflower

**Thrust Area:** Enhancement of profitability from sunflower cultivation

**Thematic Area:** Nutrient management

**Season:** Rabi 2021-22

**Farming Situation:** Irrigated medium land, rice-sunflower CS

**Farmers Practice:** NPK dose (80-100-40)

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	Sunflower	4 ha	Application of NPK 90:90:60 with 2 splits of N, 60% + 40%	Seed wt/Capitulum, Head dia in cm, Yield, B:C ratio											15		15

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated crop management in sunflower	2	F/FW	2	Off							52	8	60
Field Day	Field day on nutrient management in sunflower	1	F/FW, extension functionaries	1	Off							45	5	50

**FLD4: Demonstration on INM in okra**

**Crop:** Okra

**Thrust Area:** Enhancing Soil health and yield of okra

**Thematic Area:** Nutrient management

**Season:** Rabi 2021-22

**Farming Situation:** Irrigated medium land

**Farmers Practice:** Fertilizer (80-50-60) application only

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to	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

				technology demonstrated													
1	Okra	0.2ha	Application of vermi compost @5 t/ha + RDF @ NPK:: 110:60:80 kg/ha + mixed culture of bio-fertilizers i.e. <i>Azotobactor</i> , <i>Azospirillum</i> and PSB (1:1:1) during sowing	No. of fruits/plant, fruit size, Yield (q/ha), B:C ratio												13	13

**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	Role of biofertilizer in vegetable crops	1	F/FW	1	Off								30		30
Field day	Field day on INM in okra	1	F/FW, extension functionaries	1	Off								35	5	40

**FLD5: Demonstration on vermi wash production**

**Crop:** Vermi wash

**Thrust Area:** Promotion of organic inputs in agriculture

**Thematic Area:** Nutrient management

**Season:** Kharif 2021

**Farming Situation:** Homestead

**Farmers Practice:** Only vermicomposting.

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	Vermi wash	15 units	20 litres of bucket with a tap fitted below	Nutrient status of vermiwash												12	3	15

			the base of bucket along with pebbles/stones, sand, cowdung, organic wastes and release of earthworm (variety: Eisenia foetida) @ 500 g														
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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	Vermicompost production and its uses	1	F/FW	1	Off							25	5	30
Field day	Field day on vermiwash production	1	F/FW, extension functionaries	1	Off							37	3	40

**FLD6: Demonstration on IPM modules for controlling fruit and shoot borer in brinjal**

**Crop:** Brinjal

**Thrust Area:** Minimization of crop loss due to pest in horticultural crops

**Thematic Area:** IPM

**Season:** Rabi, 2021-22

**Farming Situation:** Irrigated medium land, rice-vegetable CS

**Farmers Practice:** Indiscriminate application of Rynaxypyr 20 SC, Cartap Hydrochloride 50 SP, Thiodicarb 70 WP

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	Brinjal	1 ha	Pheromone trap @20/ac for mass trapping + weekly	% fruit damage, %	PT, T. Chilon											10		10

			release of 50,000-60,000 <i>Trichogramma chilonis</i> from 45DAT for 5 times+ alternate spraying of Bt@2g/lit of water and neem oil 1500ppm @3ml/l at 15 days interval from 20-25 DAT. Need based spraying of Spinosad 45 SC @160ml/ha at flower initiation stage, regular clipping of affected shoots and burying those in soil	shoot damage, no. of fruits/plant, Yield (q/ha) Net Income (Rs./ha)	is,, Neem oil (1500ppm), & spinosad											
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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		T
						M	F	M	F	M	F	M	F	
Training	Management of shoot and Fruit borer in brinjal	1	F/FW	1	Off							30		30
Field day	Field day on IPM Module for controlling Fruit and shoot borer in brinjal	1	F/FW, extension functionaries	1	Off							45	5	50

**FLD7: Demonstration on IPM module for the management of fruit fly in bitter gourd**

**Crop:** Bitter gourd

**Thrust Area:** Minimization of crop loss due to pest in horticultural crops

**Thematic Area:** IPM

**Season:** Rabi, 2021-22

**Farming Situation:** Irrigated medium land (Rice-vegetable CS)

**Farmers Practice:** Spaying of Imidachloprid 17.8 SL, Acetamiprid 29 SP, Lambda cyhalothrin 4.9 CS

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	Bitter gourd	0.4ha	Soil application of Chloropyriphos 1.5% dust in the interspaces @ 25kg/ha at 30 DAS + placement & spot application spraying of jaggery 100g, cartap hydrochloride 2g & water 1 L poision bait + installation of cuelure @20/ha + periodic removal & destruction of damaged fruits	% fruit damage, Yield (q/ha) Net Income (Rs./ha)	Chloropyriphos 1.5%, Jaggery, cartap hydrochloride, water & cuelure										10		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		T
						M	F	M	F	M	F	M	F	
Training	IPM in Bitter gourd	1	F/FW	1	Off							30		30
Field day	Field day on IPM in bitter gourd	1	F/FW, extension functionaries	1	Off							45	5	50

**FLD 8: Demonstration on INM in cauliflower**

**Crop:** Cauliflower

**Thrust Area:** Balanced nutrient application in cole crops

**Thematic Area:** INM

**Season:** Rabi, 2021-22

**Farming Situation:** Irrigated medium land, rice-vegetable CS

**Farmers Practice:** NPK 150:80:80

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		T
								M	F	M	F	M	F	M	F	

1	Cauliflower	1	Demonstration of foliar sprays of NPK (19: 19: 19) in addition to recommended dose of NPK 200:125:125 kg/ha	Curd wt. (gm) Curd diameter (Cm)										8	2	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		T
						M	F	M	F	M	F	M	F	
Training	INM in cauliflower	1	F/FW	1	OFF							25	5	30
Field day	Field day on INM in cauliflower	1	F/FW, extension functionaries	1	Off							40	10	50

**FLD9: Demonstration on high valued horticulture crops on dykes of small backyard ponds**

**Crop:** Yam, elephant foot yam and spine gourd, banana, papaya

**Thrust Area:** Judicious utilization of underutilized pond dyke by integration of high valued horticulture crops

**Thematic Area:** IFS

**Season:** Kharif 2021

**Farming Situation:** Small backyard ponds

**Farmers Practice:** Underutilization of backyard pond dyke

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	Yam, Elephant foot yam, spine gourd, banana and papaya	10 demos	Banana (Gaja bantala)+Papaya (Coorg honey dew)+ Elephant foot yam (Gajendra) + Yam (Odisha elite/Hatikhoj) + Spine gourd (No.of each plant	Yield of each crop											8	2	10

			to be planted as per the space availability on pond dykes)														
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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		T
						M	F	M	F	M	F	M	F	
Training	Good Agricultural Practices of elephant foot yam and Yam, spine gourd	1	F/FW	1	OFF							30		30
Field Day	Field day on high valued horticulture crops on dykes of small backyard ponds	1	F/FW, Extension personnel	1	OFF							40	10	50

**FLD10: Demonstration on performance of tomato hybrid Arka Rakshak in rice –tomato cropping system**

**Crop:** Tomato

**Thrust Area:** Varietal evaluation

**Season:** Rabi, 2021-22

**Farming Situation:** Irrigated medium land, Rice-Vegetable

**Farmers Practice:** Cultivation of Hybrid Lakshmi

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	Tomato	0.4	Tomato hybrid Arka Rakshak Spacing – 60 X 40 NPK- 125-50-100	Wilting (%), ToLCV (%), EB (%), No. of fruits/plant, Yield (q/ha)											10		10

**Extension and Training activities under FLD:**



Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved cultivation of hybrid tomato	01	F/FW	01	Off							25	5	30
Field day	Field day on improved cultivation of hybrid tomato	01	F/FW, extension functionaries	01	Off							40	10	50

**FLD11: Demonstration disease management practices for leaf blight and vine rot in pointed gourd**

**Crop:** Pointed gourd

**Thrust Area:** Improvement in yield and quality of pointed gourd

**Thematic Area:** Disease management through chemicals

**Season:** Rabi, 2021-22

**Farming Situation:** Irrigated Medium land

**Farmers Practice:** Application of bavistin

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	Pointed gourd	0.4ha	Alternate spraying of Metalaxyl + Mancozeb @ 2.5g/l of water and copper oxychloride @ 4g/l of water can effectively check the disease.	PDI, No. of vines/plant, no. of fruits/vine, Yield (q/ha), Net Income (Rs./ha), B:C											10	0	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	IDM in pointed gourd	1	F/FW	01	OFF							25	5	30

Field day	Field day on IDM in pointed gourd	1	F/FW, extension functionaries	01	OFF							45	5	50
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### FLD 12: Demonstration on CIFA- Carp Grower feed in fish grow-out pond

**Crop:** Fish

**Thrust Area:** Fish productivity improvement by feed management

**Thematic Area:** Feed management

**Season:** Rabi 2021-22

**Farming Situation:** Small to medium tanks, irrigated, IMC & Chinese carps

**Farmer Practice:** Use of unbalanced supplementary feed in grow out ponds

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	Fish, IMC	1.2 ha	Feeding with “CIFA – Carp Grower Floating Feed” to stunted fingerlings with a gradually decreasing feeding rate 3 to 1 % of total biomass daily during the culture period	Initial ABW, Final ABW, Growth rate (%), FCR, Yield, B:C ratio, Additional income over additional investment											6	0	6

### Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Feeding management in pisciculture tanks	1	Farmers	1	Off							26	4	30
Field day	Field day on CIFA grower feed in fish pond	1	F/FW, Extension functionaries	1	Off							38	12	50

**FLD 13: Demonstration on Mono-sex ‘GIFT’ (Genetically Improved Farmed Tilapia) culture in small backyard ponds**

**Crop:** Fish

**Thrust Area:** Fish species diversification for enhanced productivity

**Thematic Area:** Production and management

**Season:** Kharif 2021

**Farming Situation:** Small to medium tanks, irrigated

**Farmers Practice:** Underutilization of backyard ponds

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	Fish	0.12 ha	Stocking of ponds with GIFT @ 15000 Nos./ha	Initial ABW, Final ABW, Growth rate (%), Yield, B:C ratio											6	0	6

**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	Scientific GIFT tilapia farming	1	Farmers	1	Off							26	4	30
Field day	Field day on GIFT tilapia farming	1	F/FW, Extension functionaries	1	Off							38	12	50

**FLD 14: Demonstration on Ivermectin in controlling Argulosis**

**Crop:** Fish

**Thrust Area:** Fish disease management for enhanced productivity

**Thematic Area:** IDM

**Season:** Rabi 2021-22

**Farming Situation:** Pond based farming system

**Farmers Practice:** Application of Cypermethrin 10EC

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	IMC	0.4 ha	Oral administration of Ivermectin 2% w/w in feed @ 250ppm & fed to the fishes for 4-5 days along with mass treatment of affected fishes with Ivermectin 2% w/v @ 200ml/Acre-m in pond water	% of Incidence after treatment, Yield, B:C ratio											6	0	6

**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	Common parasitic infections in fish & its remedial measures	1	Farmers	1	Off							26	4	30
Field day	Field day on common parasitic infections in fish & its remedial measures	1	F/FW, Extension functionaries	1	Off							38	12	50

**FLD 15: Demonstration on incorporation of Amur carp in composite carp culture for maximizing fish production**

**Crop:** Fish

**Thrust Area:** Fish species diversification for enhanced productivity

**Thematic Area:** Varietal evaluation

**Season:** Rabi 2021-22

**Farming Situation:** Pond based farming system

**Farmers Practice:** Culture practices of IMC only.

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	IMC	0.4 ha	Stocking ratio catla: rohu : mrigal :Amur carp :: 30:40:15:15	Initial ABW, final ABW, growth rate, FCR, Yield, B:C ratio											6	0	6

**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	stocking management in pisciculture tanks	1	Farmers	1	Off							26	4	30
Field day	Field day on stocking management in pisciculture tanks	1	F/FW, Extension functionaries	1	Off							38	12	50

**FLD 16: Demonstration on paddy straw mushroom production using loose paddy straw**

**Crop:** Mushroom

**Thrust Area:** Income generating activities

**Thematic Area:** Mushroom Production

**Season:** Kharif, 2021

**Farming Situation:** Homestead

**Farmers Practice:** Cultivation of paddy straw mushroom using bundle straw

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	Mushroom	20beds	Soaking time of loose straw-5hrs Loose straw-5kg/bed Pulse powder- 3% Spawn- 200g/bed	Size of fruiting body, Weight of budYield, Biological efficiency B:C ratio Net income											4	16	20

**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	Production practices of paddy straw mushroom by using scrubbed straw	1	FW	1	Off							5	25	30
Field day	Field day on Paddy straw mushroom production using loose straw	1	F/FW, Extension personel	1	Off							10	40	50

**FLD 17: Demonstration on blue oyster mushroom var. *Hypsizyous ulmarious***

**Crop:** Mushroom

**Thrust Area:** Income generating activities

**Thematic Area:** Mushroom production

**Season:** Rabi, 2021-22

**Farming Situation:** Homestead

**Farmers Practice:** Cultivation of *P. sajarcajju*

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	Mushroom	200 beds	Cutting of paddy straw 2-3" size, soaking in lime (1%) for 6-7hrs, use of boiled wheat as food additive in 40x80 cm <sup>2</sup> polythene bed	Initiation of mycelia growth (days), pinhead appearance (days), wt. of fruits (g/10buds)											5	15	20

**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	Production practices of different variety of oyster mushroom	1	FW	1	Off							5	25	30
Field day	Field day on cultivation of oyster mushroom var. blue oyster mushroom	1	F/FW, Extension personel	1	Off							10	40	50

**FLD 18: Demonstration on Nutritional garden for improving nutritional security of farm family**

**Crop:** Nutritional garden

**Thrust Area:** Nutritional security of farm family

**Thematic Area:** Nutritional security

**Season:** Round the year 2021

**Farming Situation:** Kitchen garden

**Farmers Practice:** Seasonal vegetable cultivation without proper planning

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	Nutritional garden	10 units	Trellis structure with PP rope for raising cucurbits, raising seedlings in trays, vermi composting in ring tank Growing leafy vegetables, brinjal, tomato, chilli, yam, elephant foot yam, pumpkin, bottle gourd, bitter gourd etc , 2 papaya, 1 lemon, 1 drumstick and 2 banana plants	Availability of vegetable/day Cost of input, Mean increase in consumption of vegetables and fruits compared to RDA (%)											10	10

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Training	Nutritional security of farm families	1	FW	1	Off									30	30
Field day	Field day on nutritional gardening in backyard	1	F/FW, extension functionaries	1	Off							5	45	50	



**FLD 19: Demonstration on Artificial brooding of chicks**

**Breed:**

**Thrust Area:**

**Thematic Area:**

**Season:** Rabi. 2021-22

**Farming Situation:** Homestead

**Farmers Practice:** Brooding of day old chicks using local practice

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	Poultry	10 units	Brooding management for 21 days with floor space of 0.3 sqft/bird with help of chick guards, artificial heat@ 1-3 watt per chick, feeders and drinkers@ 1 each per 50 chicks, vaccination with against RD on 7 <sup>th</sup> day, 28 <sup>th</sup> day, IBD on 14 <sup>th</sup> day. Use of electrolytes, preventive antibiotics during brooding	Chick mortality rate during brooding period, body weight at 21 days, survivability of birds till start laying												-	10	10

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants												
						SC		ST		Other		Total						
						M	F	M	F	M	F	M	F	T				
Training	Brooding & management of poultry chicks	1	FW	1	Off												30	30
Field Day	Field day on brooding management of poultry chicks in backyard	1	F/FW, extension functionaries	1	Off											5	45	50

#### 4.20 Demonstration on effectiveness of short technology videos on technology adoption

**Crop:**

**Thrust Area:** Information communication technology for faster dissemination

**Thematic Area:** ICT

**Season:** Round the year 2021-22

**Farming Situation:** Homestead

**Farmers Practice:** Farmers are getting only text messages

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	Technology video	2 short videos	Production of short videos on method of mushroom production by using loose paddy straw; nutritional garden and will be disseminated to identified farmers through whatsapp	Understanding of the method and process depicted in the video, Retention of the message														200

#### Study -1 Value chain analysis of mushroom in Bhadrak district

**No. of beneficiary – 120**

**Details of study:**

- Stake holders meet- small farmer & large farmers
- Identification of chain actors
- Chain analysis
- Finding out of constraints
- Conclusion

**Study -2 Present status and future prospects of DSR in Bhadrak district**

**No. of beneficiary – 120**

**Details of study**

- Collection of baseline data
- Development of questionnaire
- Collection of data from officers, farmers & other stake holders
- Workshop for discussion of present status & future prospect of DSR in district

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

Name of the Crop / Enterprise	Variety / Type	Period From Apr, 2021 to Mar, 2022	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	CR 1009 sub1	June to Dec	5.0	TL	150		454500	
	Hasant	June to Dec	2.0	TL	60		181800	
	Swarna sub1	June to Dec	2.0	TL	60		181800	
	MTU 1075	June to Dec	3.0	TL	90		272700	
Mustard	Sushree	Dec to Mar	1.0	FS	4		27,672	
Sesame	GT 10	Feb to April	1.0	FS	4		33,400	
Seedlings (vegetable)	-	Jan to Feb, Aug to Dec	0.01	F1, OP vars.	100000 no.		40000	30000
Fruit seedling	-	Round the year	-	-	10000 no			
Forest sapling		Round the year	Nursery	Various spp (Teak, Mangium, Acacia, Mahogany etc.)	5000 no.	30000	45000	15000
Fish	Stunted yearlings	Round the year	Ponds	Seeds	3.0	17000	36000	19000
	Amur carp fingerlings	Round the year		Seeds	10000 nos	5000	10000	5000
	Mixed carp frys	Round the year		Juveniles	817000 nos	84000	170000	86000
	Jayanti Rohu fingerlings	Round the year		Seeds	10000 nos	4800	10000	5200
	GIFT mono-sex tilapia fingerlings	Round the year		Seeds	3000 nos	4400	9000	4600
	Colour fish	Round the year		Fish	3000 nos	3500	7500	4000

	Stunted fingerlings	Round the year		Seed	20000 nos	18000	40000	22000
	Fish	Round the year		Table sized	20.0 q	100000	180000	80000
Compost	Vermicompost	Round the year	4 tanks		40 q	9000	24000	15000
	Vermiworm/ E.foetida	Round the year			12kg	1200	6000	4800
	NADEP compost	Round the year	1 unit		10 q	1000	3000	2000
Mushroom	Spawn	June to Mar			10000 bottles	100000	150000	50000
	Mushroom	June to Oct			1.0 q	4500	7000	2500

**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.)
Rice	Swarna	June to Dec	4		TL	120			

## 6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ST (% of total)	M	F	T	M	F	T
1	Field Day	19	770	120	720	10	22	8	30	622	128	920
2	Kisan Mela	1	240	50	290	5	6	4	10	220	80	300
3	Kisan Ghosthi	2	65	20	85	5				65	20	85
4	Exhibition	2	240	50	290	5	6	4	10	220	80	300
5	Film Show	30	260	100	360	5				260	100	360
6	Method Demonstrations	5	80	35	115	5	6	4	10	86	39	125
7	Farmers Seminar	3	65	20	85	5	3	2	5	68	22	90
8	Workshop											
9	Group meetings	1	25	5	30					25	5	30
10	Lectures delivered as resource persons	15	120	40	160	5	6	4	10	126	44	450
11	Advisory Services	24										112000
12	Scientific visit to farmers field	20	120	40	160					120	40	160
13	Farmers visit to KVK	-										200
14	Diagnostic visits	20	30	10	40	2				30	10	100
15	Exposure visits	2	30	10	40	2				30	10	40
16	Ex-trainees Sammelan	2	25	5	30	10				25	5	60
17	Soil health Camp	2	115	30	145		3	2	5	118	32	150
18	Animal Health Camp	1	50	50	100	30				50	50	100
19	Agri mobile clinic											
20	Soil test campaigns	1	45	5	50	10	2	0	2	47	5	52
21	Farm Science Club Conveners meet	1	19	6	25					19	6	25
22	Self Help Group Conveners meetings	2	0	55	55	20	0	0	0	0	55	55
23	Mahila Mandals Conveners meetings	1	0	25	25	8				0	25	25
24	Celebration of important days (Akshaya Tritiya, World Food Day, Agril Education Day)	4	105	37	142	20	5	3	8	110	40	150
25	Sankalp Se Siddhi											
26	Swatchta Hi Sewa	7	130	50	180	20				130	50	180
27	Mahila Kisan Diwas	1	0	50	50	20	1	2	3	1	53	54
28	FPO meet	4	60	20	80	15	3	3	3	63	23	86
29	Leaflet	4										
30	Booklet	4										
31	Research articles	4										

32	News Letter	2										
	<b>Total</b>	<b>184</b>	<b>2594</b>	<b>833</b>	<b>3427</b>		<b>63</b>	<b>36</b>	<b>99</b>	<b>2657</b>	<b>869</b>	<b>3526</b>

### 7. Revolving Fund (in Rs.)

Opening balance of 2021-22 (As on 01.04.2021)	Amount proposed to be invested during 2022	Expected Return
4,30,118	8,50,000	10,50,000

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

Project	Source	Amount to be received (Rs. in lakh)
CFLD	ICAR	7.2
CSISA	CSISA	1.0

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

#### OFT-1

<b>i.</b>	<b>Season</b>	:	Kharif, 2021
<b>ii.</b>	<b>Title of the OFT</b>	:	Assessment of summer rice varieties for coastal saline soils
<b>iii.</b>	<b>Thematic Area</b>	:	Varietal evaluation
<b>iv.</b>	<b>Problem diagnosed</b>	:	Low yield due to salinity during reproductive stage of summer rice
<b>v.</b>	<b>Production system</b>	:	Rice-Vegetable
<b>vi.</b>	<b>Micro farming situation</b>	:	Irrigated medium land
<b>vii.</b>	<b>Technology for Testing</b>	:	Salt tolerant rice varieties.
<b>viii.</b>	<b>Existing Practice</b>	:	Cultivation of rice vars. Lalat/Khandagiri
<b>ix.</b>	<b>Objective(s)</b>	:	To evaluate suitable rice varieties under saline affected soil condition
<b>x.</b>	<b>Treatments</b>	:	FP: Cultivation of rice vars. Lalat/Khandagiri TO1: Rice var. Luna Sankhi TO2: Rice var. CSR 4 TO3: Rice var. Canning 7
<b>xi.</b>	<b>Critical Inputs</b>	:	Three varieties as given above Luna Sankhi, CSR 4, Canning 7
<b>xii.</b>	<b>Unit Size</b>	:	
<b>xiii.</b>	<b>No of Replications</b>	:	5
<b>xiv.</b>	<b>Unit Cost</b>	:	
<b>xv.</b>	<b>Total Cost</b>	:	
<b>xvi.</b>	<b>Monitoring Indicator</b>	:	No.of tillers/hill, panicles/hill, grains/panicle, grain yield, economics

xvii.	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	NRRI, 2011, CSSRI, 1990, CSSRI, 1995
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## OFT-2

xviii.	<b>Season</b>	:	Kharif, 2021
xix.	<b>Title of the OFT</b>	:	Assessment of nano nitrogen in rice
xx.	<b>Thematic Area</b>	:	Nutrient management
xxi.	<b>Problem diagnosed</b>	:	High cost of N fertiliser and opportunity for cost minimization
xxii.	<b>Production system</b>	:	Rice-Vegetable
xxiii.	<b>Micro farming situation</b>	:	Irrigated medium land
xxiv.	<b>Technology for Testing</b>	:	Nano nitrogen fertiliser
xxv.	<b>Existing Practice</b>	:	Application of urea
xxvi.	<b>Objective(s)</b>	:	
xvii.	<b>Treatments</b>	:	FP: Application of N @80kg/ha  TO1: Foliar application of IFFCO nano-N @ 1250ml/ha at tillering & PI Stage + No Soil application of N+100% P & K  TO2: Foliar application of IFFCO nano-N @ 1250ml/ha at tillering & PI Stage +Soil application of 50%N through urea +100% P&K
xviii.	<b>Critical Inputs</b>	:	Nano N
xxix.	<b>Unit Size</b>	:	500 sqm
xxx.	<b>No of Replications</b>	:	10
xxxi.	<b>Unit Cost</b>	:	
xxii.	<b>Total Cost</b>	:	
xxiii.	<b>Monitoring Indicator</b>	:	No.of EBT/hill, no.of grains/panicle, grain yield, NUE, Economics
xxiv.	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	IFFCO, 2020

### OFT-3

<b>i.</b>	<b>Season</b>	:	Rabi, 2021-22
<b>ii.</b>	<b>Title of the OFT</b>	:	Assessment of organic formulations for organic production of pointed gourd
<b>iii.</b>	<b>Thematic Area</b>	:	Organic farming
<b>iv.</b>	<b>Problem diagnosed</b>	:	Opportunity for promoting organic farming in high valued vegetable
<b>v.</b>	<b>Production system</b>	:	Rice-Vegetable
<b>vi.</b>	<b>Micro farming situation</b>	:	Irrigated medium land
<b>vii.</b>	<b>Technology for Testing</b>	:	Impact study of Amrit Pani & Jeevamrut application
<b>viii.</b>	<b>Existing Practice</b>	:	Imbalance application of NPK, particularly high use of N & P
<b>ix.</b>	<b>Objective(s)</b>	:	To assess optimum process of Amrit Pani & Jeevamrut application To assess economics of Amrit Pani & Jeevamrut
<b>x.</b>	<b>Treatments</b>	:	FP: NPK @130-80-60 TO1: Amrit Pani (Cow dung- 10kg + 500gm jaggery + 250 ml mustard oil + Water- 200L) Soil +Foliar application TO2: Jeevamrut (Cow dung- 10kg +Cow urine- 10L +Jaggery- 2kg + Flour of pulse – 2kg + Live soil (Healthy soil)- 1 kg + Water- 200L), soil and foliar application
<b>xi.</b>	<b>Critical Inputs</b>	:	Plastic drum with ingredients + root stock
<b>xii.</b>	<b>Unit Size</b>	:	100 m <sup>2</sup>
<b>xiii.</b>	<b>No of Replications</b>	:	5
<b>xiv.</b>	<b>Unit Cost</b>	:	
<b>xv.</b>	<b>Total Cost</b>	:	
<b>xvi.</b>	<b>Monitoring Indicator</b>	:	No.of fruits/vine, vine length, Yield, SOC, available NPK, Economics
<b>xvii.</b>	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	TO1- NEERI, 2018 TO2-TNAU, 2018

### OFT-4

<b>i.</b>	<b>Season</b>	:	Rabi, 2021-22
<b>ii.</b>	<b>Title of the OFT</b>	:	Assessment of foliar application of mixture of micronutrients (Zn, Fe, Mn, Cu, B & Mo) on bitter gourd
<b>iii.</b>	<b>Thematic Area</b>	:	Nutrient management
<b>iv.</b>	<b>Problem diagnosed</b>	:	Low yield due to micro nutrient deficiency
<b>v.</b>	<b>Production system</b>	:	Rice-vegetables
<b>vi.</b>	<b>Micro farming situation</b>	:	Rabi/Sandy Clay loam soil/ Irrigated
<b>vii.</b>	<b>Technology for Testing</b>	:	Foliar application
<b>viii.</b>	<b>Existing Practice</b>	:	Application of fertilizers only



<b>ix.</b>	<b>Objective(s)</b>	:	To assess the effect of Foliar application of micronutrients on growth and yield & to estimate the economics
<b>x.</b>	<b>Treatments</b>	:	FP: Application of NPK fertilizer only TO1: STBR (NPK) + foliar application of mixture of micronutrients (Zn, Fe, Mn, Cu, B & Mo) @ 2 ml/lit. Of water at 40 DAS TO2: STBR(NPK) + foliar application of mixture of micronutrients (Zn, Fe, Mn, Cu, B & Mo) @ 2 ml/lit. Of water at 20 & 40 DAS TO3:STBR (NPK) + foliar application of mixture of micronutrients (Zn, Fe, Mn, Cu, B & Mo) @ 2 ml/lit. Of water at 15, 30 & 45 DAS
<b>xi.</b>	<b>Critical Inputs</b>	:	Micronutrients
<b>xii.</b>	<b>Unit Size</b>	:	300 m <sup>2</sup>
<b>xiii.</b>	<b>No of Replications</b>	:	7
<b>xiv.</b>	<b>Unit Cost</b>	:	
<b>xv.</b>	<b>Total Cost</b>	:	
<b>xvi.</b>	<b>Monitoring Indicator</b>	:	No. of fruits, fruit size (gm), Start of flowering, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio
<b>xvii.</b>	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	Annual Report-2014-15, OUAT, pp-15

#### OFT-5

<b>i.</b>	<b>Season</b>	:	Rabi, 2021-22
<b>ii.</b>	<b>Title of the OFT</b>	:	Assessment of integrated pest management modules in sunflower
<b>iii.</b>	<b>Thematic Area</b>	:	IPM
<b>iv.</b>	<b>Problem diagnosed</b>	:	Yield reduction due to collar rot/stem rot, leaf damage & head damage in sunflower
<b>v.</b>	<b>Production system</b>	:	Rice-sunflower
<b>vi.</b>	<b>Micro farming situation</b>	:	Irrigated medium land
<b>vii.</b>	<b>Technology for Testing</b>	:	Technology developed by RRTTS, ranital
<b>viii.</b>	<b>Existing Practice</b>	:	Application of chemical pesticides only
<b>ix.</b>	<b>Objective(s)</b>	:	To assess the effect of IPM strategies on disease & pest reduction in sunflower
<b>x.</b>	<b>Treatments</b>	:	FP: Drenching of catbendazim + mancozeb , Spraying of Lambda cyhalothrin, Cypermethrin TO1: Spot application of FYM incubated with T. viridae + P. flourescence @ 5 kg/ ha + Spot drenching of Tebuconazole @ 500 ml/ ha+ Pheromone Trap for monitoring of spodoptera & helicoverpa+ Alternate need based application of neem oil (1500 ppm) @ 1.5 L/ ha and Flubendiamide 480 SC @ 150 ml/ ha +

			Poison bait placement (10 kg Rice bran+ 1 kg jaggery+ 200 g cartap hydrochloride) TO2: Spot application of metalaxyl + mancozeb@2g/l +mechanical destruction of larvae+2 sprays of spinosad 45sc@175ml/ha
<b>xi.</b>	<b>Critical Inputs</b>	:	<i>T. viridae</i> , <i>P. fluroscence</i> , Tebuconazole, PT with lure, neem oil, Flubendiamide, rice bran, jiggery, cartap hydrochloride, metlaxyl + mancozeb, spinosad
<b>xii.</b>	<b>Unit Size</b>	:	800m <sup>2</sup>
<b>xiii.</b>	<b>No of Replications</b>	:	7
<b>xiv.</b>	<b>Unit Cost</b>	:	
<b>xv.</b>	<b>Total Cost</b>	:	
<b>xvi.</b>	<b>Monitoring Indicator</b>	:	PDI (Stem rot, collar rot), % leaf damage by Spodoptera, per cent head damage by Helicoverpa, yield, B:C ratio & Economics
<b>xvii.</b>	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	TO1- OUAT, 2020-21 TO2-UAS, Raichur, 2020

#### OFT-6

<b>i.</b>	<b>Season</b>	:	Rabi, 2021-22
<b>ii.</b>	<b>Title of the OFT</b>	:	Assessment of different trellies in bitter gourd for higher production
<b>iii.</b>	<b>Thematic Area</b>	:	ICM
<b>iv.</b>	<b>Problem diagnosed</b>	:	High incidence of fruit rot due to ground trelling
<b>v.</b>	<b>Production system</b>	:	Rice-Vegetable
<b>vi.</b>	<b>Micro farming situation</b>	:	Irrigated medium land
<b>vii.</b>	<b>Technology for Testing</b>	:	Different trellies in bitter gourd
<b>viii.</b>	<b>Existing Practice</b>	:	Ground trelling
<b>ix.</b>	<b>Objective(s)</b>	:	To assess and find out the best trellies system for farmers in bitter gourd
<b>x.</b>	<b>Treatments</b>	:	FP: Ground Trelling TO1: Single trellie, one row constructed with bamboo poles and GI wires, jute rope  TO2: Lean to type trellies-stake are joined between two adjoining bed forming an A shaped structure .horizontal stakes are installed at the top joining of all other beds.T he stakes support the climbing vines. Strings are used to secure adjoining stakes, trellies height 2m
<b>xi.</b>	<b>Critical Inputs</b>	:	Seed , seedlings, strings, GI wire, bamboo
<b>xii.</b>	<b>Unit Size</b>	:	600 m <sup>2</sup>
<b>xiii.</b>	<b>No of Replications</b>	:	13

xiv.	Unit Cost	:	
xv.	Total Cost	:	
xvi.	Monitoring Indicator	:	Length of fruit, wt of fruit(g), incidence of fruit rot,yield (q/ha)
xvii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	TO1- CHES 2014 TO2- CHES 2014

#### OFT 7

i.	Season	:	Rabi, 2021-22
ii.	Title of the OFT	:	Assessment of gynodioecious papaya hybrids
iii.	Thematic Area	:	Varietal evaluation
iv.	Problem diagnosed	:	Low yield from available papaya variety
v.	Production system	:	Vegetable-Vegetable
vi.	Micro farming situation	:	Irrigated medium land
vii.	Technology for Testing	:	Evaluation of gynodioecious papaya varieties
viii.	Existing Practice	:	Growing of improved varieties of papaya
ix.	Objective(s)	:	Femaleness is more and higher yield potential
x.	Treatments	:	FP: Coorg Honey Dew/ Pusa Nanha TO1: Arka Prabhat TO2: Arka Surya
xi.	Critical Inputs	:	Seedlings and plant protection chemicals
xii.	Unit Size	:	300 m <sup>2</sup>
xiii.	No of Replications	:	13
xiv.	Unit Cost	:	
xv.	Total Cost	:	
xvi.	Monitoring Indicator	:	Plant height (cm),Wt. of fruit (g), No. of fruits/plant, Yield (q/ha)
xvii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-IIHR (2008) ICAR-IIHR (2007)

#### OFT-8

i.	Season	:	Kharif – 2021
ii.	Title of the OFT	:	Assessment of genetically improved Catla spawns for maximizing fry production in nursery tanks
iii.	Thematic Area	:	Production and Management
iv.	Problem diagnosed	:	Less initial growth rate of Catla spawns in nursery tanks encourages predation by insects, thus leads to poor survival and final low yield of fry
v.	Production system	:	Pond based farming system
vi.	Micro farming situation	:	Alluvial, small to medium tanks, irrigated, IMC & Chinese carps
vii.	Technology for Testing	:	Genetically improved Catla spawn rearing with single basal manuring and phased manuring practices

viii.	<b>Existing Practice</b>	:	Rearing of normal Catla spawns with basal manuring only
ix.	<b>Objective(s)</b>	:	To assess the growth rate of improved Catla spawns , its effect on maximizing survival, fry yield and economics
x.	<b>Treatments</b>	:	FP: Nursery management with stocking of normal Catla spawns with single basal manuring TO1: Nursery management with stocking of improved Catla spawns with single basal manuring TO2: Nursery management with stocking of improved Catla spawns with phased manuring
xi.	<b>Critical Inputs</b>	:	Improved Catla spawns, groundnut oilcake, vitamin-mineral mixture @75lakhs/ha
xii.	<b>Unit Size</b>	:	0.04 ha
xiii.	<b>No of Replications</b>	:	3
xiv.	<b>Unit Cost</b>	:	
xv.	<b>Total Cost</b>	:	
xvi.	<b>Monitoring Indicator</b>	:	Average growth rate, Survival rate, Yield, B:C ratio
xvii.	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	ICAR-CIFA – 2015 ICAR-CIFA – 2018

#### OFT-9

i.	<b>Season</b>	:	Kharif – 2021
ii.	<b>Title of the OFT</b>	:	Assessment of growth promoters for maximizing carp fry yield in nursery tanks
iii.	<b>Thematic Area</b>	:	Production and Management
iv.	<b>Problem diagnosed</b>	:	Less growth rate and poor yield of fry
v.	<b>Production system</b>	:	Pond based farming system
vi.	<b>Micro farming situation</b>	:	Alluvial, small to medium tanks, irrigated, IMC & Chinese carps
vii.	<b>Technology for Testing</b>	:	Feeding of spawns with growth promoters like Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed) and commercially available yeast powder at a dose of 0.5% of total powdered feed
viii.	<b>Existing Practice</b>	:	Feeding with only powdered feed (Rice bran: GNOC ::1:1)
ix.	<b>Objective(s)</b>	:	To assess the efficacy of different growth promoters, its effect on maximizing survival, fry yield and economics
x.	<b>Treatments</b>	:	FP: Only powdered feed (Rice bran: GNOC ::1:1) TO: Use of Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed) TO2: Use of commercially available yeast powder ( <i>Saccharomyces cerevisiae</i> ) at a dose of 0.5% of total powdered feed to be served daily TO3: Incorporation of commercially available RAAFRES-AQ @250ppm in powder feed
xi.	<b>Critical Inputs</b>	:	Manganous sulphate, Cobaltous chloride and commercially available yeast powder ( <i>Saccharomyces cerevisiae</i> )

<b>xii.</b>	<b>Unit Size</b>	:	0.04 ha
<b>xiii.</b>	<b>No of Replications</b>	:	3
<b>xiv.</b>	<b>Unit Cost</b>	:	
<b>xv.</b>	<b>Total Cost</b>	:	
<b>xvi.</b>	<b>Monitoring Indicator</b>	:	Average growth rate, Survival rate, Yield, B:C
<b>xvii.</b>	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)</b>	:	TO-1-ICAR-CIFA – 20013, TO-2 – TNAU-2019 and ICAR-CIFE – 2015

### OFT-10

<b>i.</b>	<b>Season</b>	:	Kharif, 2021-22 (Year-I)
<b>ii.</b>	<b>Title of the OFT</b>	:	Assessment of production of paddy straw mushroom in semi composted substrate
<b>iii.</b>	<b>Thematic Area</b>	:	Income generation
<b>iv.</b>	<b>Problem diagnosed</b>	:	Unavailability of unthreshed paddy straw
<b>v.</b>	<b>Production system</b>	:	Mushroom production
<b>vi.</b>	<b>Micro farming situation</b>	:	Homestead
<b>vii.</b>	<b>Technology for Testing</b>	:	Semi-composting method of paddy straw mushroom cultivation
<b>viii.</b>	<b>Existing Practice</b>	:	Traditional method of mushroom cultivation by using unthreshed paddy straw
<b>ix.</b>	<b>Objective(s)</b>	:	To utilize the farm waste straw for paddy straw mushroom cultivation
<b>x.</b>	<b>Treatments</b>	:	TO1: Paddy straw + wheat bran@ 6% + Chicken manure @1.2% + CaCO <sub>3</sub> @2% (Paddy straw will chopped into 2-3 inches. The cut pieces will spread in a thin layer and keep wet for 24 hours by sprinkling water to maintain 70 to 80 % moisture in the wet straw. All the ingredients will mixed with the wet straw except calcium carbonate and form a heap and cover by a thin polythene sheet. A turning will be given on the second day and the heap will restored. The second turning will be given on the 3rd or 4th day, calcium carbonate will mixed thoroughly and heap was restored again. Compost will ready on the 6th day to prepare bed) TO 2:Paddy straw/ cotton waste + rice bran@5% (dry wt. basis)+ CaCO <sub>3</sub> @1%
<b>xi.</b>	<b>Critical Inputs</b>	:	Mushroom spawn, polythene, CaCO <sub>3</sub>
<b>xii.</b>	<b>Unit Size</b>	:	
<b>xiii.</b>	<b>No of Replications</b>	:	5
<b>xiv.</b>	<b>Unit Cost</b>	:	
<b>xv.</b>	<b>Total Cost</b>	:	
<b>xvi.</b>	<b>Monitoring Indicator</b>	:	Yield per bed, days for pin head appearance , days of first harvest, bud weight

xvii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	CTMRT, OUAT, Bhubaneswar, Odisha, 2018 NRCM, ICAR, Solan, 2007
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#### OFT-11

i.	Season	:	Kharif, 2021-22
ii.	Title of the OFT	:	Assessment of packaging practices of <i>V. vulvacea</i> mushroom
iii.	Thematic Area	:	Income generation
iv.	Problem diagnosed	:	Distress sale and low income due to short shelf life
v.	Production system	:	Homestead
vi.	Micro farming situation	:	Green shade net house and under the tree
vii.	Technology for Testing	:	Perforated punnet
viii.	Existing Practice	:	Polythene
ix.	Objective(s)	:	To get more lifespan of paddy straw mushroom by keeping in punnet in thermocol box with ice comparison to polythene
x.	Treatments	:	FP: Without treatment of mushroom buds packing in polythene bag for selling purpose TO1: 75 $\mu$ HIPS punnet can be used for packing in modified EPS cabinet with 6kg ice placed in the separate side compartment TO2: Mushroom packing in 75 $\mu$ paper pack covering thin polythene inner side of the bag
xi.	Critical Inputs	:	Perforated punnet bag & Perforated paper pack
xii.	Unit Size	:	6 kg mushroom
xiii.	No of Replications	:	10
xiv.	Unit Cost	:	
xv.	Total Cost	:	
xvi.	Monitoring Indicator	:	Cost of input, Net profit, B:C ratio, Sensory evaluation
xvii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	AICRP on Post Harvesting Engg. and Technology, OUAT 2017-18
xviii.	No of Replications	:	7

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

Sl. No.	Name of the project	Funding authority	Fund expected (Rs.)
1	CFLD	720000	ICAR
2	CSISA	100000	ICAR

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

## 12. Scientific Advisory Committee

<b>Date of SAC meeting held during 2020</b>	<b>Proposed date during 2021</b>
07.01.2021	17.12.2021

## 13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000											
Water Samples	150											
Other (Please specify)												
<b>Total</b>	<b>1150</b>											

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

Heads	Expenditure (last year) (Rs.)	Expected fund requirement (Rs.)
OE	430000	500000
Training & Training material	329000	400000
FLD	161000	180000
OFT	116000	140000
SCSP	258000	400000
<b>Total</b>	<b>1294000</b>	<b>1620000</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**