## ACTION PLAN 2019-20

## **1. Name of the KVK:** Pakur

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## 2.Name of host organization :

Address	Telepho	one	E mail
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## **3.Training programme to be organized (April 2019 to March 2020)**

## (a) Farmers and farmwomen

Thematic	Title of	No.	Duration	Venue	Tentative			I	No. (	of Pa	rticij	pants		
area	Training			On/Off	Date	Ot	her	S	С	S	T		Tota	ıl
						Μ	F	M	F	Μ	F	Μ	F	Т
Water Management	Rainwater harvesting technique for irrigation management.	1	3	On	01- 03/04/2019	8	4	2	1	5	10	15	15	30
Crop Diversification	Improved package and practices of Soyabean	1	3	Off	04- 06/04/2019	8	4	2	1	5	10	15	15	30
Seed Production	Improved package and practices for Seed Production Kharif Crops	1	3	Off	02- 04/05/2019	8	4	2	1	5	10	15	15	30
Integrated Crop Management	Integrated crop management of Rice	1	3	On	06- 08/05/2019	8	4	2	1	5	10	15	15	30
Nursery Management	Agronomic practices for traditional and SRI Seedling production of Rice	1	3	On	03- 05/06/2019	8	4	2	1	5	10	15	15	30
Cultivation of Crops	Improved agronomic	1	3	Off	06-	8	4	2	1	5	10	15	15	30

	practices for cultivation of millets.				08/06/2019									
Resource Conservation Technologies	Rice cultivation using SRI technique.	1	3	On	01- 03/07/2019	8	4	2	1	5	10	15	15	30
Resource Conservation Technologies	Rice cultivation using SRI technique.	1	3	Off	04- 06/07/2019	8	4	2	1	5	10	15	15	30
Water Management	Rainwater harvesting technique for irrigation management.	1	3	Off	01- 03/08/2019	8	4	2	1	5	10	15	15	30
Weed Management	Weed Management in Rice	1	3	On	04- 06/08/2019	8	4	2	1	5	10	15	15	30
Cultivation of Crops	Improved agronomic practices for cultivation of Niger	1	3	Off	02-04- /09/2019	8	4	2	1	5	10	15	15	30
Fodder Production	Improved agronomic practices for cultivation of Berseem, Lucern & Oats.	1	3	On	05- 07/09/2019	8	4	2	1	5	10	15	15	30
Fodder Production	Improved agronomic practices for cultivation of perennial fodder	1	3	ON	01- 03/10/2019	8	4	2	1	5	10	15	15	30
Cropping System	Improved Agronomic practices for maize-Potato- Vegetable Cropping system.	1	3	Off	04- 06/10/2019	8	4	2	1	5	10	15	15	30
Cultivation of Crops	Improved agronomic practices for cultivation of Rabi Oilseeds	1	3	Off	04-06-/11/2019	8	4	2	1	5	10	15	15	30
Cultivation of Crops	Improved agronomic practices for cultivation of	1	3	On	07-09- /11/2019	8	4	2	1	5	10	15	15	30

	Rabi Pulses													
Cultivation of Crops	Improved agronomic practices for cultivation of Rabi Oilseeds	1	3	On	02- 04/12/2019	8	4	2	1	5	10	15	15	30
Resource Conservation Technologies	Wheat cultivation using SWI	1	3	Off	05- 07/12/2019	8	4	2	1	5	10	15	15	30
Cultivation of Crops	Improved agronomic practices for cultivation of Summer Pulses	1	3	On	02- 04/01/2020	8	4	2	1	5	10	15	15	30
Resource Conservation technologies	In-situ and Ex-situ moisture conservation methods	1	3	Off	06- 08/01/2020	8	4	2	1	5	10	15	15	30
Integrated farming system	Integrated farming system for income enhancement	1	3	On	03- 05/02/2020	8	4	2	1	5	10	15	15	30
Integrated Diseases Management	Integrated Diseases Management for Oilseeds and Pulses	1	3	Off	06- 08/02/2020	8	4	2	1	5	10	15	15	30
Integrated Fish Farming	Integrated Fish Farming	1	3	On	02- 04/03/2020	8	4	2	1	5	10	15	15	30
Repair and maintenance of farm machinery and implements	Repair and maintenance of farm machinery and implements	1	3	Off	05- 07/03/2020	8	4	2	1	5	10	15	15	30
Layout and Management of Orchards	Layout and Management of Orchards	1	3	On	01- 03/04/2019	8	4	2	1	5	10	15	15	30
Management of young plants/orchards	Management of young plants/orchards	1	3	Off	04- 06/04/2019	8	4	2	1	5	10	15	15	30
Nursery raising	Nursery raising of Vegetable Crops	1	3	Off	02- 04/05/2019	8	4	2	1	5	10	15	15	30
Production and Management	Production and Management	1	3	On	06-	8	4	2	1	5	10	15	15	30

technology	for Elephant				08/05/2019									
	foot yam				00,00,2019									
Production of	Cultivation of	1	3	On	03-	8	4	2	1	5	10	15	15	30
low volume	Solanaceous		-		05/06/2019	-	-				- •			
and high value	vegetable				05/00/2017									
crops	crops													
Production of	Cultivation of	1	3	Off	06-	8	4	2	1	5	10	15	15	30
low volume	Leguminous				08/06/2019									
and high value	vegetables				00/00/2017									
crops	-													
Production of	Cultivation of	1	3	On	01-	8	4	2	1	5	10	15	15	30
low volume	Leafy				03/07/2019									
and high value	vegetables				05/07/2017									
crops														
Integrated	Integrated	1	3	Off	04-	8	4	2	1	5	10	15	15	30
nutrient	nutrient				06/07/2019									
management	management				00,01,2013									
	for													
	Solanaceous													
	Vegetables													
Water	Technique for	1	3	Off	01-	8	4	2	1	5	10	15	15	30
management	cultivation of				03/08/2019									
	vegetables													
	with Low													
	volume water													
	requirement													
Off-season	Techniques for	1	3	On	04-	8	4	2	1	5	10	15	15	30
vegetables	Off-season				06/08/2019									
	vegetable													
	cultivation													
Export	Techniques	1	3	Off	02-04-	8	4	2	1	5	10	15	15	30
potential	for Cultivation				/09/2019									
vegetables	of Export													
	potential													
<u> </u>	vegetables													
Cultivation of	Cultivation of	1	3	On	05-	8	4	2	1	5	10	15	15	30
Vegetables	Sweet Potato,				07/09/2019									
	<i>Colocasia</i> and													
	Yams				0.1					_	10			•
Production	Production	1	3	ON	01-	8	4	2	1	5	10	15	15	30
and	and				03/10/2019									
Management	Management													
technology	technology for													
	Annual Seed													
	Spices													
Production and	Production and	1	3	Off	04-	8	4	2	1	5	10	15	15	30
management	management				06/10/2019									
technology	technology for													
	Annual													
	Medicinal and													
	Aromatic crops													

Rejuvenation of old orchards	Rejuvenation of old orchards	1	3	ON	04-06- /11/2019	8	4	2	1	5	10	15	15	30
Integrated Disease Management	Integrated Disease Management for Solanaceous vegetable crops	1	3	Off	07-09- /11/2019	8	4	2	1	5	10	15	15	30
Micro irrigation systems of orchards	Micro irrigation systems of orchards	1	3	On	02- 04/12/2019	8	4	2	1	5	10	15	15	30
Plant propagation techniques	Plant propagation techniques	1	3	Off	05- 07/12/2019	8	4	2	1	5	10	15	15	30
Bio-control of pests and diseases	Bio-control of pests and diseases of Vegetables crops	1	3	On	02- 04/01/2020	8	4	2	1	5	10	15	15	30
Horti-forestry production technologies	Horti-forestry production technologies	1	3	Off	06- 08/01/2020	8	4	2	1	5	10	15	15	30
Protective cultivation (Green Houses, Shade Net etc.)	Protective cultivation (Green Houses, Shade Net etc.)	1	3	On	03- 05/02/2020	8	4	2	1	5	10	15	15	30
Production and Management technology	Production and Management technology for Ginger and Turmeric	1	3	Off	06- 08/02/2020	8	4	2	1	5	10	15	15	30
Yield Increment	Cultivation of Summer Cucurbitaceous vegetables	1	3	On	02- 04/03/2020	8	4	2	1	5	10	15	15	30
Yield Increment	Cultivation of Okra and Baby Corn	1	3	Off	05- 07/03/2020	8	4	2	1	5	10	15	15	30
Soil fertility management	Soil fertility management	1	3	Off	01- 03/04/2019	8	4	2	1	5	10	15	15	30
Soil and Water Conservation	Soil and Water Conservation	1	3	On	04- 06/04/2019	8	4	2	1	5	10	15	15	30
Integrated Nutrient	Integrated Nutrient	1	3	On	02-	8	4	2	1	5	10	15	15	30

Management	Management				04/05/2019									
	for Cereals													
Integrated	Integrated	1	3	Off	06-	8	4	2	1	5	10	15	15	30
Nutrient	Nutrient				08/05/2019									
Management	Management													
Integrated	for Pulse Crops	1	2	0.00	02	0	4	-	1	~	10	1.7	1.7	20
Nutrient	Nutrient	1	3	Off	03-	8	4	2	1	Э	10	15	15	30
Management	Management				05/06/2019									
Wanagement	for Oilseed													
Micro nutrient	Symptoms and	1	3	On	06-	8	Δ	2	1	5	10	15	15	30
deficiency in	remedies of	1	5	On	08/06/2010	0	-	2	1	5	10	15	15	50
crops	deficiencies of				08/00/2019									
1	Micro													
	Nutrients in													
	vegetables													
Soil and Water	Soil Testing-	1	3	Off	01-	8	4	2	1	5	10	15	15	30
Testing	Why, Where,				03/07/2019									
	When and													
	How	1	2		0.4				1	~	10	15	1.7	20
Soil fertility	Management	1	3	On	04-	8	4	2	1	5	10	15	15	30
management	by adopting				06/07/2019									
	integrated													
	approach													
Soil and Water	Importance	1	3	On	01-	8	4	2	1	5	10	15	15	30
Conservation	and different	_			03/08/2019	-				-				
	methods of				03/00/2017									
	conservation of													
	soil and water													
Integrated	Integrated	1	3	Off	04-	8	4	2	1	5	10	15	15	30
Nutrient	Nutrient				06/08/2019									
Management	Management													
	for Selected													
Techniques of	Techniques of	1	2	On	02.04	0	4	2	1	5	10	15	15	20
soil sampling	soil sampling	1	3	On	02-04-	0	4		1	3	10	15	15	50
and its	and its				/09/2019									
importance	importance													
Production and	Production and	1	3	Off	05-	8	4	2	1	5	10	15	15	30
use of organic	use of organic				07/09/2019									
inputs	inputs				0110312013									
Management	Management	1	3	Off	01-	8	4	2	1	5	10	15	15	30
of Problematic	of Acid soils				03/10/2019									
soils														
Dairy	Dairy	1	3	ON	04-	8	4	2	1	5	10	15	15	30
Management	Management				06/10/2019									
Poultry	Poultry	1	3	Off	04-06-	8	4	2	1	5	10	15	15	30
Management	Management				/11/2019									

Piggery Management	Piggery Management	1	3	ON	07-09- /11/2019	8	4	2	1	5	10	15	15	30
Production of bio control agents and bio pesticides	Production of bio control agents and bio pesticides	1	3	Off	02- 04/12/2019	8	4	2	1	5	10	15	15	30
Bio-pesticides production	Bio-pesticides production	1	3	On	05- 07/12/2019	8	4	2	1	5	10	15	15	30
Bio-fertilizer production	Bio-fertilizer production	1	3	Off	02- 04/01/2020	8	4	2	1	5	10	15	15	30
Vermi- compost production	Vermi- compost production	1	3	On	06- 08/01/2020	8	4	2	1	5	10	15	15	30
Organic manures production	Organic manures production	1	3	Off	03- 05/02/2020	8	4	2	1	5	10	15	15	30
Formation and Management of SHGs	Formation and Management of SHGs	1	3	On	06- 08/02/2020	8	4	2	1	5	10	15	15	30
Small scale processing and value addition	Small scale processing and value addition	1	3	Off	02- 04/03/2020	8	4	2	1	5	10	15	15	30
Post Harvest Technology	Post Harvest Technology	1	3	On	05- 07/03/2020	8	4	2	1	5	10	15	15	30

# (b) Rural youths

Thematic	Title of	No.	Duration	Venue	Tentative				No. (	of Pa	rticij	pants		
area	Training			On/Off	Date	Ot	her	S	С	S	Т		Tota	1
						Μ	F	Μ	F	Μ	F	Μ	F	Τ
Protected cultivation of vegetable crops	Protected cultivation of vegetable crops	1	7	On	09- 15/04/2019	8	4	2	1	5	10	15	15	30
Commercial fruit production	Commercial fruit production	1	7	On	08- 14/07/2019	8	4	2	1	5	10	15	15	30
Seed production	Seed production techniques for vegetable	1	7	On	14- 20/10/2019	8	4	2	1	5	10	15	15	30

	Crops													
Seed production	Seed production techniques for ornamental Crops	1	7	On	13- 19/01/2020	8	4	2	1	5	10	15	15	30
Mushroom Production	Mushroom Production	1	7	On	09- 15/04/2019	8	4	2	1	5	10	15	15	30
Bee - Keeping	Bee - Keeping	1	7	On	08- 14/07/2019	8	4	2	1	5	10	15	15	30
Repair and maintenance of farm machinery and implements	Repair and maintenance of farm machinery and implements	1	7	On	14- 20/10/2019	8	4	2	1	5	10	15	15	30
Piggery	Piggery	1	7	On	13- 19/01/2020	8	4	2	1	5	10	15	15	30
Production of organic inputs	Production of organic inputs	1	7	On	06- 12/05/201	8	4	2	1	5	10	15	15	30
Planting material production	Planting material production	1	7	On	15- 21/07/2019	8	4	2	1	5	10	15	15	30
Vermi- culture	Vermi- culture	1	7	On	11- 17/11/2019	8	4	2	1	5	10	15	15	30
Nursery Management of Horticulture crops	Nursery Management of Horticulture crops	1	7	On	03- 09/02/2020	8	4	2	1	5	10	15	15	30

## (c) Extension functionaries

Thrust area/	Title of Training	No.	Duration	Venue	Tentative				No.	of Pa	rticij	pants		
Thematic	Tannig			On/Off	Date									
area						Ot	her	S	С	S	Т		Tota	1
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Care and maintenance of farm machinery and implements	Care and maintenance of farm machinery and implements	1	7	ON	13- 19/05/2019	8	4	2	1	5	10	15	15	30
Integrated Pest Management	Integrated Pest Management	1	7	ON	18- 24/11/2019	8	4	2	1	5	10	15	15	30
Rejuvenation of old orchards	Rejuvenation of old orchards	1	7	ON	09- 15/12/2019	8	4	2	1	5	10	15	15	30
Protected cultivation technology	Protected cultivation technology	1	7	ON	20- 26/01/2020	8	4	2	1	5	10	15	15	30
Integrated Nutrient management	Integrated Nutrient management	1	7	ON	17- 23/06/2020	8	4	2	1	5	10	15	15	30
Productivity enhancement in field crops	Productivity enhancement in field crops	1	7	ON	09- 15/12/2020	8	4	2	1	5	10	15	15	30

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

## Farmers and Farm women

Thematic Area	No. of			No	. of Pa	articipa	nts				Gran	d Total	
	Course		Other			SC			ST				
	s	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
I. Crop Production													
Weed Management	1	8	4	12	2	1	3	5	10	15	15	15	30
Resource Conservation Technologies	4	32	16	48	8	4	12	20	40	60	60	60	120
Cropping Systems	1	8	4	12	2	1	3	5	10	15	15	15	30
Crop Diversification	1	8	4	12	2	1	3	5	10	15	15	15	30
Integrated Farming	1	8	4	12	2	1	3	5	10	15	15	15	30
Water management	2	16	8	24	4	2	6	10	20	30	30	30	60
Seed production	1	8	4	12	2	1	3	5	10	15	15	15	30
Nursery management	1	8	4	12	2	1	3	5	10	15	15	15	30
Integrated Crop Management	1	8	4	12	2	1	3	5	10	15	15	15	30
Fodder production	2	16	8	24	4	2	6	10	20	30	30	30	60

Thematic Area	No. of			No	. of Pa	articipa	nts				Gran	d Total	
	Course	ļ	Other			SC			ST				
	s	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Production of organic inputs													
Others, (cultivation of crops)	6	48	24	72	12	6	18	30	60	90	90	90	180
TOTAL	21	168	84	252	42	21	63	105	210	315	315	315	630
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	8	4	12	2	1	3	5	10	15	15	15	30
Water management	1	8	4	12	2	1	3	5	10	15	15	15	30
Enterprise development													
Skill development													
Yield increment	2	16	8	24	4	2	6	10	20	30	30	30	60
Production of low volume and high value	3								•				
crops		24	12	36	6	3	9	15	30	45	45	45	90
Off-season vegetables	1	8	4	12	2	1	3	5	10	15	15	15	30
Nursery raising	1	8	4	12	2	1	3	5	10	15	15	15	30
Exotic vegetables like Broccoli													
Export potential vegetables	1	8	4	12	2	1	3	5	10	15	15	15	30
Grading and standardization													
Protective cultivation (Green Houses,					_			_					
Shade Net etc.)	1	8	4	12	2	1	3	5	10	15	15	15	30
Others, if any (Cultivation of Vegetable)													
TOTAL	11	88	44	132	22	11	33	55	110	165	165	165	330
b) Fruits		00		102					110	100	100	100	000
Training and Pruning													
Layout and Management of Orchards	1	8	4	12	2	1	3	5	10	15	15	15	30
Cultivation of Fruit	-	0		12	_	-	5	5	10	10	10	10	50
Management of young plants/orchards	1	8	4	12	2	1	3	5	10	15	15	15	30
Rejuvenation of old orchards	1	8	4	12	2	1	3	5	10	15	15	15	30
Export potential fruits	-	0			_	-		0	10	10	10	10	20
Micro irrigation systems of orchards	1	8	4	12	2	1	3	5	10	15	15	15	30
Plant propagation techniques	1	8	4	12	2	1	3	5	10	15	15	15	30
Others if any(INM)	-	0	·	12		-	5	5	10	10	10	10	50
	5	40	20	60	10	5	15	25	50	75	75	75	150
a) Ormamental Planta	5	40	20	00	10	5	15	23	50	75	75	75	150
C) Ornamental Flams													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental													
Plants													
Others if any													
d) Plantation crons													
Production and Management technology													
Processing and value addition													
Others if any													
TOTAL													
e) Tuber crons			+										+
Production and Management technology	2	16	8	24	Δ	2	6	10	20	30	30	30	60
Processing and value addition	~	10	0	27	-	-	0	10	20	50	50	50	00
1 rocosing and value addition			I	L		l	L		L	<u> </u>		l	<u> </u>

Thematic Area	No. of			No	. of Pa	articipa	nts				Gran	d Total	
	Course	(	Other			SC			ST				
	s	М	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Others, if any													
TOTAL													
f) Spices													
Production and Management technology	1	8	4	12	2	1	3	5	10	15	15	15	30
Processing and value addition													
Others, if any													
TOTAL	3	24	12	36	6	3	9	15	30	45	45	45	90
g) Medicinal and Aromatic Plants	-				Ű	-	-						
Nursery management													
Production and management technology	1	8	4	12	2	1	3	5	10	15	15	15	30
Post harvest technology and value	_	-				-	-	-					
addition													
Others, if any													
TOTAL	1	8	4	12	2	1	3	5	10	15	15	15	30
III. Soil Health and Fertility	-	0	-		-	-	•	-					
Management													
Soil fertility management	2	16	8	24	4	2	6	10	20	30	30	30	60
Soil and Water Conservation	2	16	8	24	4	2	6	10	20	30	30	30	60
Integrated Nutrient Management	4	32	16	48	8	4	12	20	40	60	60	60	120
Production and use of organic inputs	1	8	4	12	2	1	3	5	10	15	15	15	30
Management of Problematic soils	1	8	4	12	2	1	3	5	10	15	15	15	30
Micro nutrient deficiency in crops	1	8	4	12	2	1	3	5	10	15	15	15	30
Nutrient Use Efficiency	1	0		12		-	5	5	10	10	10	10	50
Soil and Water Testing	2	16	8	24	1	2	6	10	20	30	30	30	60
Others if any	2	10	0	27	-	2	0	10	20	50	50	50	00
	13	10/	52	156	26	13	30	65	130	105	105	105	300
W Livesteek Production and	15	104	54	150	20	15	39	03	150	195	195	195	370
Management													
Dairy Management	1	8	1	12	2	1	3	5	10	15	15	15	30
Daily Management	1	0 8	4	12	2	1	3	5	10	15	15	15	30
Poultry Management	1	0	4	12	2	1	2	5	10	15	15	15	20
Piggery Management	1	0	4	12	2	1	5	5	10	15	15	15	30
Rabbit Management													
Disease Management													
Production of quality onimal products													
Others, if any (Cost forming)													
	2	24	10	26	6	2	0	15	20	45	45	45	00
	3	24	12	30	0	3	9	15	30	45	45	45	90
V. Home Science/ women empowerment													
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of low/minimum													
Cost alet													
Designing and development for high													
Minimization of mutriced laws in								<u> </u>					
processing													
Conder mainstreaming through SUC	-												
Gender mainstreaming through SHOS													

Thematic Area	No. of No. of F					articipa	nts				Gran	d Total	
	Course		Other			SC			ST				
	s	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
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													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro					ſ								
irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm	1	Q	4	12	n	1	2	5	10	15	15	15	20
machinery and implements	1	0	4	12	2	1	5	5	10	15	15	15	30
Small scale processing and value addition	1	8	4	12	2	1	3	5	10	15	15	15	30
Post Harvest Technology	1	8	4	12	2	1	3	5	10	15	15	15	30
Others, if any													
TOTAL	3	24	12	36	6	3	9	15	30	45	45	45	90
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management	2	16	8	24	4	2	6	10	20	30	30	30	60
Bio-control of pests and diseases	1	8	4	12	2	1	3	5	10	15	15	15	30
Production of bio control agents and bio	1	8	4	12	2	1	3	5	10	15	15	15	30
pesticides	1	0		12	2	1	5	5	10	15	10	10	50
Others, if any													
TOTAL	4	32	16	48	8	4	12	20	40	60	60	60	120
VIII. Fisheries													
Integrated fish farming	1	8	4	12	2	1	3	5	10	15	15	15	30
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to													
fish pond, like nursery, rearing & stocking													
pond													
Hatchery management and culture of													
freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													

Course $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\bigcirc$ $\frown$ <t< th=""></t<>
sMFTMFTMFTMFTMFTEdible oyster farmingII
Edible oyster farmingImage: state of the stat
Pearl cultureImage: state of the
Fish processing and value additionImage: space of the system
Others, if anyI841221351015151530TOTAL1841221351015151530IX. Production of Inputs at siteIII8412213510151530Seed ProductionIII
TOTAL       1       8       4       12       2       1       3       5       10       15       15       15       30         IX. Production of Inputs at site
IX. Production of Inputs at siteImage: si
Seed ProductionImage: seed Production
Planting material productionImage: constraint of the symbolImage: constraint of the symbol </td
Bio-agents productionImage: constraint of the systemImage: constraint of the system
Bio-pesticides production       1       8       4       12       2       1       3       5       10       15       15       30         Bio-fertilizer production       1       8       4       12       2       1       3       5       10       15       15       30         Vermi-compost production       1       8       4       12       2       1       3       5       10       15       15       30         Vermi-compost production       1       8       4       12       2       1       3       5       10       15       15       30         Organic manures production       1       8       4       12       2       1       3       5       10       15       15       30         Production of fry and fingerlings       1       8       4       12       2       1       3       5       10       15       15       30         Production of Bee-colonies and wax sheets       1       8       4       12       2       1       3       5       10       15       15       30         Small tools and implements       1       1       1       1 <td< td=""></td<>
Bio-fertilizer production       1       8       4       12       2       1       3       5       10       15       15       15       30         Vermi-compost production       1       8       4       12       2       1       3       5       10       15       15       30         Organic manures production       1       8       4       12       2       1       3       5       10       15       15       30         Organic manures production       1       8       4       12       2       1       3       5       10       15       15       30         Production of fry and fingerlings
Vermi-compost production1841221351015151530Organic manures production18412213510151530Production of fry and fingerlings
Organic manures production18412213510151530Production of fry and fingerlings<
Production of fry and fingerlings       Image: Colorise and wax sheets         Small tools and implements       Image: Colorise and wax sheets
Production of Bee-colonies and wax sheets       Image: Colored and the sheet of the sheet o
sheets     Image: Constraint of the sheets       Small tools and implements     Image: Constraint of the sheet of the
Small tools and implements
Production of livestock feed and fodder
Production of Fish feed
Others, if any
TOTAL     4     32     16     48     8     4     12     20     40     60     60     120
X. Capacity Building and Group
Dynamics
Leadership development
Group dynamics
Formation and Management of SHGs         1         8         4         12         2         1         3         5         10         15         15         30
Mobilization of social capital   Image: Constraint of the social capital
Entrepreneurial development of
farmers/youths
WTO and IPR issues
Others, if any
TOTAL         1         8         4         12         2         1         3         5         10         15         15         15         30
XI Agro-forestry
Production technologies         1         8         4         12         2         1         3         5         10         15         15         30
Nursery management
Integrated Farming Systems
TOTAL         1         8         4         12         2         1         3         5         10         15         15         15         30
XII. Others (Pl. Specify)
TOTAL

# **Rural youth**

Thematic Area	No. of				No. of	f Partic	ipants				Grand	Total	
	Courses		Other	•		SC			ST				
		Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Mushroom Production	1	8	4	12	2	1	3	5	10	15	15	15	30
Bee-keeping	1	8	4	12	2	1	3	5	10	15	15	15	30
Integrated farming													
Seed production	2	16	8	24	4	2	6	10	20	30	30	30	60

Thematic Area	No. of				No. of	' Partic	ipants				Grand	Total	
	Courses		Other	•		SC			ST				
		Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Production of organic	1	o	4	12	2	1	2	5	10	15	15	15	20
inputs	1	0	4	12	2	1	3	5	10	15	15	15	30
Planting material	1	8	4	12	2	1	3	5	10	15	15	15	30
production	1	0	-	12	2	1	5	5	10	15	15	15	50
Vermi-culture	1	8	4	12	2	1	3	5	10	15	15	15	30
Sericulture													
Protected cultivation of	1	8	4	12	2	1	3	5	10	15	15	15	30
vegetable crops	1	0		12	-	1	5	5	10	15	15	15	50
Commercial fruit	1	8	4	12	2	1	3	5	10	15	15	15	30
production	-	Ŭ			_	-	U U		10	10	10	10	20
Repair and maintenance		_						_					
of farm machinery and	1	8	4	12	2	1	3	5	10	15	15	15	30
implements													
Nursery Management of	1	8	4	12	2	1	3	5	10	15	15	15	30
Horticulture crops													
Training and pruning of													
orchards													
Value addition													
Production of quality													
Deimin a													
Dairying													
Sheep and goat rearing													
Quail farming	1	0	4	10	2	1	2	5	10	15	15	15	20
Piggery	1	8	4	12	2	I	3	5	10	15	15	15	30
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn													
culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and													
processing technology													
Fry and fingering													
rearing													
Small scale processing													
Post Harvest													
Technology													
Purel Crofts													
Kural Craits													
Others if any (ICT													
others II any (ICI													
application													
	10	07	10	144	24	10	26	<u></u>	120	100	100	100	260
IUIAL	14	90	4ð	144	24	14	30	00	140	190	190	190	300

## **Extension functionaries**

Thematic Area	No. of				No. of	Partic	ipants				Grand	Total	
	Courses		Other	•		SC			ST				
		Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Productivity													
enhancement in field	1	8	4	12	2	1	3	5	10	15	15	15	30
crops													
Integrated Pest	1	8	4	12	2	1	3	5	10	15	15	15	30
Management	1	0		12		1	5	5	10	10	15	15	50
Integrated Nutrient	1	8	4	12	2	1	3	5	10	15	15	15	30
management	_					_	_	_					
Rejuvenation of old	1	8	4	12	2	1	3	5	10	15	15	15	30
orchards	_	Ū				_	_	_					
Value addition													
Protected cultivation	1	8	4	12	2	1	3	5	10	15	15	15	30
technology							_		_	_			
Formation and													
Management of SHGs													
Group Dynamics and													
farmers organization													
Information networking													
among farmers													
Capacity building for													
ICT application													
Care and maintenance													
of farm machinery and	1	8	4	12	2	1	3	5	10	15	15	15	30
implements													
WTO and IPR issues													
Management in farm													
animals													
Livestock feed and													
fodder production													
Household food													
security													
Women and Child care													
Low cost and nutrient													
efficient diet designing													
Production and use of													
organic inputs													
Gender mainstreaming													
through SHGs													
Crop intensification													
Others if any													
TOTAL	6	48	24	72	12	6	18	30	60	90	90	90	180

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

Crop: Sunflower
 Thrust Area: Crop management
 Thematic Area: nutrient management
 Season: Kharif
 Farming Situation: Rainfed upland

2. Crop: Black gram
Thrust Area: Crop management
Thematic Area: Use of organic input
Season: Kharif
Farming Situation: Rainfed upland

3. Crop: Green gram
Thrust Area: Crop management
Thematic Area: Use of Biofertiliser
Season: Kharif
Farming Situation: Rainfed upland

4. Crop: Watermelon Thrust Area: Horticulture Thematic Area: ICM Season: Summer Farming Situation: Rainfed upland

5. Crop: Red gram
Thrust Area: Crop management
Thematic Area: INM
Season: Kharif
Farming Situation: Rainfed upland

6. Crop: Groundnut Thrust Area: Crop managemet Thematic Area: Nutrient management Season: Kharif Farming Situation: Rainfed upland

7. Crop: Maize Thrust Area: Crop management Thematic Area: INM Season: Kharif Farming Situation: Rainfed upland

8. Crop: Cowpea
Thrust Area: Crop management
Thematic Area: Use of organic inputs
Season: Kharif
Farming Situation: Rainfed upland

9. Crop: Sunflower Thrust Area: Crop management Thematic Area: Use of Biofertiliser Season: Rabi Farming Situation: Rainfed upland

10. Crop: Horse gramThrust Area: Crop managementThematic Area: Use of BiofertiliserSeason: Late KharifFarming Situation: Rainfed upland

11. Crop: Chickpea
Thrust Area: Crop management
Thematic Area: Disease management
Season: Kharif
Farming Situation: Rainfed upland

12. Crop: Linseed Thrust Area: Crop Production Thematic Area: ICM Season: Rabi Farming Situation: Rainfed upland

13. Crop: Lentil
Thrust Area: Crop Production
Thematic Area: IWM
Season: Rabi
Farming Situation: Rainfed upland

14. Crop: MustardThrust Area: Crop ProductionThematic Area: Disease manamentSeason: RabiFarming Situation: Rainfed upland

15. Crop: Vegetable pea
Thrust Area: Horticulture
Thematic Area: vegetable cultivation
Season: Rabi
Farming Situation: Rainfed medium land

16. Enterprise: Backyard poultry
Thrust Area: Livestock
Thematic Area: breed improvement
Season: winter
Farming Situation: Homestead farming

17. Enterprise: Piggery
Thrust Area: Livestock
Thematic Area: breed improvement
Season: winter
Farming Situation: Homestead farming

18. Enterprise: DuckeryThrust Area: LivestockThematic Area: breed improvementSeason: winterFarming Situation: Homestead farming

19. Crop: Tomato
Thrust Area: Horticulture
Thematic Area: vegetable cultivation
Season: Rabi
Farming Situation: Rainfed medium land

		Proposed	Tashnalagy	Parameter	Cost of Cult	ivation (	( <b>Rs.</b> )	No.	of fa	armer	rs / de	emor	nstra	tion		
SI	Crop & voriety	Area	neckago for	(Data) in				SC		ST		Oth	ıer	Tota	l	
No.	/ Enterprises	(ha)/ Unit (No.)	demonstration (Variety)	relation to technology demonstrated	Name of Inputs	Demo	Local	Μ	F	М	F	Μ	F	Μ	F	Т
1	Sunflower (Summer)	10	S-1, Nutrient management	BCR & Yield	Improved Seed & Fertilizer	36300	30600	1	1	12	2	8	1	21	4	25
2	Black Gram	30	WBU-109, Biofertiliser	BCR & Yield	Improved Seed & Fertilizer	27000	19800	3	3	36	6	24	3	63	12	75
3	Green gram	30	IPM-2-3, Bio fertiliser	BCR & Yield	Improved Seed & Fertilizer	27000	19800	3	3	36	6	24	3	63	12	75
4	Water melon	5	POP	BCR & Yield	Improved Seed & Fertilizer	47000	38500	1	0	4	1	7	2	12	3	15
5	Red gram	30	IPA-203, Liming, bio fertiliser	BCR & Yield	Improved Seed & Fertilizer	32100	24900	3	3	36	6	24	3	63	12	75
6	Ground nut	10	K-6, Nurient management	BCR & Yield	Improved Seed & Fertilizer	42300	36600	1	1	12	2	8	1	21	4	25
7	Maize	15	HQPM-2, BVM-2, Liming	BCR & Yield	Improved Seed & Fertilizer	39000	35000	3	2	12	5	16	2	31	9	40
8	Cow pea	15	PDF-2, Nutrient management	BCR & Yield	Improved Seed & Fertilizer	29600	25900	3	2	12	5	16	2	31	9	40
9	Sunflower	10	CSH-1, POP	BCR & Yield	Improved Seed &	33300	28600	1	1	12	2	8	1	21	4	25

					Fertilizer											
10	Horse gram	20	Indira Kulthi -1 Bio fertiliser	BCR & Yield	Improved Seed & Fertilizer	31100	24800	2	2	24	4	16	2	42	8	50
11	Chick pea	30	GNG 1581, Wilt management	BCR & Yield	Improved Seed & Fertilizer	38700	34600	3	3	36	6	24	3	63	12	75
12	Linseed	10	Priyam, Paira cropping	BCR & Yield	Improved Seed & Fertilizer	28700	25300	1	1	12	2	8	1	21	4	25
13	Lentil	20	IPL-316, Weed management	BCR & Yield	Improved Seed & Fertilizer	31100	29300	2	2	24	4	16	2	42	8	50
14	Mustard	20	Pusa 30, Aphid management	BCR & Yield	Improved Seed & Fertilizer	25800	23400	2	2	24	4	16	2	42	8	50
15	Vegetable pea	10	Azad pea, Nutrient management	BCR & Yield	Improved Seed & Fertilizer	43900	38400	1	1	12	2	8	1	21	4	25
16	Back yard poultry	400	Jharsim breed					10	5	40	5	15	5	65	15	80
17	Pig	30	Jharsuk breed					4	1	8	2	0	0	12	3	15
18	Duck	300	Khaki Campbell					3	2	35	5	10	5	48	12	60
19	Tomato	50,000	Swarn Sampda	Yield		48000	40000	3	2	35	5	10	5	48	12	60
20	Brinjal	50,000	Chandra Kiran (Hybrid)	Yield		48000	40000	3	2	35	5	10	5	48	12	60
21	Papaya	1000	Red lady	Yield				5	5	50	20	15	5	70	30	100

22	Gram	5ha	Pod borer	Yield	Rhizobium	38100	34800	1	0	10	0	9	0	20	0	20
			management		culture as											
					seed											
					treatment											
23	Green Gram	5ha	INM	Yield	Application	25600	23200	1	0	1	12	0	12	25	0	25
					of sulpher											
24	Mustard	5ha	INM	Yield	Application	23200	20600	1	0	10	0	9	0	20	0	20
					of sulpher											
25	Cauliflower	2 ha	Boron	Yield	Boron as	56800	49800	0	0	10	0	0	0	10	0	10
			application for		soil											
			browning		application											

# Extension and Training activities under FLD:

Activity	Title of	No.	Clientele	Duration	Venue	No	. of Par	rticipa	nts					
	Activity				On/Off	S	С	5	ST	Ot	her	Τα	otal	
						Μ	F	Μ	F	Μ	F	Μ	F	Т
Sunflower (Summer)	Training of sunflower	1	PF	1	On	1	0	12	3	6	3	19	6	25
Black Gram	Training of Black Gram	1	PF	1	On	1	0	12	3	6	3	19	6	25
Green gram	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Water melon	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Red gram	Training	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Ground nut	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Maize	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Sunflower	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53

Horse gram	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Chick pea	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Linseed	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53
Lentil	Gosthi	1	PF	1	Off	3	2	24	6	12	6	39	14	53

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

Name of the	Variety /	Period	Area (ha.)	ha.) Details of Production								
Crop / Enterprise	Туре	From to		Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)				
Paddy	Rajendra Mansuri	July19-Dec19	3	B/S to F/S	110	1,50,000	4,40,000	2,90,000				
	MTU-7029	July19-Dec19	3	B/S to F/S	110	150,000	440000	2,90,000				
	Sahbhagi Dhan	July19-Nov19	1	B/S to F/S	30	45000	120000	75,000				
	Lalat	July19-Nov19	1	B/S to F/S	25	38000	10000	62,000				

## b) Village Seed Production Programme

Name of	Variety /	Period	Area	No. of	Details of Production								
the Crop / Enterprise	Туре	From to	(ha.)	farmers	Type of Produce	Expected Production(q)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)				
Paddy	MTU-7029	July19- Dec19	20.0	50	C/S	700.0	1000000	2800000	1800000				
	Rajndra mansuri	July19- Dec19	30.0	75	C/S	900.0	1500000	3600000	2100000				

Sl.		No. of			Farme	ers	Exte	ension Offi	cials	Total		
No.	Activities/ Sub-activities	activit ies	м	F	Т	SC/ST (% of	Male	Female	Total	Male	Female	Total
		propo sed		-	-	total)						
1.	Field Day	10	300	100	400	65%	15	10	25	315	110	425
2.	Kisan Mela	2	700	300	1000	70%	35	15	50	735	315	1050
3.	Kisan Ghosthi	21	700	200	900	60%	10	5	15	710	205	915
4.	Exhibition											
5.	Film Show											
6.	Method Demonstrations	5	150	100	250	60%	15	10	25	165	110	275
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings											
10.	Lectures delivered as resource	5	150	100	250	60%	15	10	25	165	110	275
	persons	5	150	100	230		15	10	23	105	110	
11.	Advisory Services	50	150 0	500	2000	60%	0	0	0	1500	500	2000
12.	Scientific visit to farmers field	50	150 0	500	2000	60%	0	0	0	1500	500	2000
13.	Farmers visit to KVK	10000	800 0	200 0	1000 0	65%	0	0	0	8000	2000	10000
14.	Diagnostic visits	65	650	325	975	65%	70	25	95	720	350	1070
15.	Exposure visits	15	510	240	750	60%	30	15	45	540	255	795
16.	Ex-trainees Sammelan	2	60	40	100	65%	15	10	25	75	50	125
17.	Soil health Camp	5	150	100	250	60%	15	10	25	165	110	275
18.	Animal Health Camp											
19.	Agri mobile clinic											
20.	Soil test campaigns	5	150	100	250	60%	15	10	25	165	110	275
21.	Farm Science Club Conveners meet	5	150	100	250	60%	15	10	25	165	110	275
22.	Self Help Group Conveners meetings											
23.	MahilaMandals Conveners meetings											
24.	Celebration of important days (specify)	5	150	100	250	60%	15	10	25	165	110	275
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	10	300	100	400	20%	5	2	7	305	102	407

27.	Mahila Kisan Diwas	1	-	100	100	75%	2	8	10	2	108	110
28.	Any Other (Specify)											
	Total	10256	1	5	20	60%	272	150	422	1539	5155	20547
			5	0	12					2		
			1	0	5							
			2	5								
			0	J								

## 4. Revolving Fund (in Rs.)

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return
9,31,493.00	5,00,000.00	9,00,000.00

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

Project	Source	Amount to be received (Rs. in lakh)
Training	ATMA, Pakur	3.0
Training	DHO, Pakur	2.5
Single Window	DAO, Pakur	3.5

- 6. On-farm trials to be conducted\* OFT-1:
- i. Season: Kharif
- ii. Title of the OFT: Evaluation of herbicides for aerobic rice field.
- iii. Thematic Area: Weed management.
- iv. Problem diagnosed: Low yield of Aerobic Rice due to heavy weed infestation.
- v. Important Cause: Crop weed competition due to heavy weed infestation in AR
- vi. Production system: Cereal based production system
- vii. Micro farming system: Rainfed upland
- viii. Technology for Testing: Farmers Practice-Hand weeding at 35-40 DAS.

T.O.-1- Pretilachlor @ 0.75 kg/ha pre- emergence .

## T.O.-2- Pretilachlor @ 0.75 kg/ha pre- emergence + Bisbyripak sodium

#### (Post-em) 200 ml/ha at 15 DAS.

- ix. Existing Practice: Framers do hand weeding at 30 days after sowing
- **x. Hypothesis:** The yield of AR may be increased by over coming crop weed competition through use of weedicide or combination of weedicide.
- xi. **Objective**(s): To increase the yield and profitability of AR
- xii. Treatments:

Farmers Practice (FP): Hand weeding at 35-40 DAS.

Technology option-I (TO-I): Pretilachlor @ 0.75 kg/ha pre- emergence .

Technology option-II (TO-II): Pretilachlor @ 0.75 kg/ha pre- emergence + Bisbyripak sodium (Post-em) 200 ml/ha at 15 DAS.

- xiii. Critical Inputs: Weedicides.
- xiv. Unit Size: 200 sq. meter
- xv. No of Replications: 10
- xvi. Unit Cost: 2000
- xvii. Total Cost: 20000
- xviii. Monitoring Indicator: i) Weed dry wt/m<sup>2</sup> at 40 DAS.

#### ii) Yield

#### iii) B:C ratio

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

### **OFT-2:**

- i. Season: Rabi
- **ii. Title of the OFT:** Evaluation of suitability of fodder crops in rice-fallow system for Pakur District.
- iii. Thematic Area: Fodder production.
- iv. Problem diagnosed:. Unavailability of fodder in rabi season.
- v. Important Cause: Scarcity of fodder in rabi season & damage of rabi crops by stray grazing
- vi. Production system: Pulse production system
- vii. Micro farming system: Rain fed medium land
- viii. Technology for Testing: Farmers Practice- Stray grazing damaging the rabi crops.

## T.O.-1- Paddy – Berseem (Vardan).

### T.O.-2- Paddy-Lucern (Anand-2)

## T.O. 3 - Paddy - Oat (Kent).

- ix. Existing Practice: Stray grazing in rice fellow field
- **x. Hypothesis:** Availability of fodder in rabi may be increased if fodder crops are introduced in fellow land just after harvest of rice crops.
- xi. Objective(s): To increase the fodder availability. To increase the milk yield of cattle

## xii. Treatments:

Farmers Practice (FP): **Stray grazing damaging the rabi crops.** Technology option-I (TO-I): **Berseem (Vardan).** Technology option-II (TO-II): **Paddy-Lucern (Anand-2)** Technology option-III (TO-III): **Paddy - Oat (Kent).** 

- xiii. Critical Inputs: Fodder Seeds.
- xiv. Unit Size: 200 sq.meter
- xv. No of Replications: 10
- xvi. Unit Cost: 1000
- xvii. Total Cost: 10000
- xviii. Monitoring Indicator:

### Production of each fodder per 200 m<sup>2</sup> Productivity of Rice-Fodder system

## Economics of Rice-Fodder System

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

## **OFT-3:**

- i. Season: Rabi
- **ii. Title of the OFT:** Assessment of profitability through intercropping of radish in mid season cauliflower
- iii. Thematic Area: Crop management.
- iv. Problem diagnosed: Low profit in cauliflower
- v. Important Cause: Sole cropping of cauliflower, less interspace utilization.

## vi. Production system: vegetable production system

- vii. Micro farming system: Rain fed medium land
- viii. Technology for Testing: Farmers Practice- Sole crop of cauliflower.

**T.O.-1-** Cauliflower + Radish (1:1)

T.O.-2- Cauliflower + Radish (1:2)

ix. Existing Practice: sole cropping of cauliflower.

**x. Hypothesis:** The profitability of cauliflower may be increase by efficient land utilization through intercropping.

**xi. Objective(s):** To increase profitability by cultivation of cauliflower and radish

#### xii. Treatments:

Farmers Practice (FP): **Sole crop of cauliflower**. Technology option-I (TO-I): **Cauliflower + Radish (1:1)** Technology option-II (TO-II): **Cauliflower + Radish (1:2)** 

- xiii. Critical Inputs: Seeds of Cauliflower and radish
- xiv. Unit Size: 200 sq. meter
- xv. No of Replications: 10
- xvi. Unit Cost: 1000
- xvii. Total Cost: 10000
- xviii. Monitoring Indicator: Weight of curd (kg)

Yield (Q/ha) Cost of cultivation (Rs/ha) Net return (Rs) B:C Ratio

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

#### OFT-4:

- i. Season: Rabi
- ii. Title of the OFT: Varietal assessment of bacterial wilt resistant hybrid brinjal
- iii. Thematic Area: Crop improvement.
- iv. Problem diagnosed: Low yield of Brinjal
- v. Important Cause: attack of bacterial wilt in brinjal

#### vi. Production system: Vegetable production system

#### vii. Micro farming system: Rain fed medium land

viii. Technology for Testing: Farmers Practice- Local purchased hybrid variety of Brinjal.

# T.O.-1- Swarna Ajay

## T.O.-2- Swarna Nilima

ix. Existing Practice: Spray of Chemicals available in the local market

**x.** Hypothesis: The brinjal yield can be increased through low cost technology like variety.

xi. Objective(s): To increase the yield of brinjal to minimize the bacterial wilt manifestation

#### xii. Treatments:

Farmers Practice (FP): Local purchased hybrid variety of Brinjal.

Technology option-I (TO-I): Swarna Ajay

Technology option-II (TO-II): Swarna Nilima

xiii. Critical Inputs: Variety Wise Seeds of Brinjal.

- xiv. Unit Size: 200 sq. meter
- xv. No of Replications: 10
- xvi. Unit Cost: Rs. 1000
- xvii. Total Cost:Rs. 10000
- xviii. Monitoring Indicator:

Yield (Q/ha) Cost of cultivation (Rs/ha) Net return (Rs) B:C Ratio

## xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): ICAR-RCER, Plandu, Ranchi.

## **OFT-5:**

- i. Season: All the Year Round.
- **ii. Title of the OFT:** Assessment of improved backyard composting methods.
- iii. Thematic Area: Soil fertility management.
- iv. Problem diagnosed: Low nutrient status of compost at farmer's level
- v. Important Cause: Non decomposition of Cow dung and less availability of nutrients to the plants
- vi. Production system: vegetable production system
- vii. Micro farming system: Rain fed medium land.
- viii. Technology for Testing: Farmers Practice- Dumping of cow dung and household/field wastes in heap.
  - T.O.-1- Dumping of cow dung and household / field wastes mixing
  - with DAP@500g/sq m after filling every feet of pit of 2 m x1 m x 1 m size.
  - T.O.-2- Dumping of cow dung and household / field wastes mixing with
  - DAP@500g/sq m after filling every feet of pit+ 250 gm Trichoderma + 100 gm PSB + 100 gm Azotobactor per pit (2m x 1m x 1m).
- **ix. Existing Practice:** Dumping of cow dung on open area without digging the pit.
- **x. Hypothesis:** The good quality compost may be prepared by use of bioagents in appropriate size of compost pit.
- xi. Objective(s): To produce good quality nutrient rich compost at local level

## xii. Treatments:

 $Farmers\ Practice\ (FP):\ \textbf{Dumping of cow dung and household/field wastes in heap.}$ 

Technology option-I (TO-I): Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit of 2 m x1 m x 1 m size.

Technology option-II (TO-II): Dumping of cow dung and household / field wastes mixing with DAP@500g/sq m after filling every feet of pit+ 250 gm Trichoderma + 100 gm PSB + 100 gm Azotobactor per pit ( $2m \times 1m \times 1m$ ).

- xiii. Critical Inputs: Biofertilizers, fertlizers, plastic sheet .
- xiv. Unit Size: 5m x 2m
- xv. No of Replications: 10
- xvi. Unit Cost: 1500
- xvii. Total Cost: 15000
- xviii. Monitoring Indicator: Composting duration in days.

Nutrient status (pH,N,P,K& micronutrients)

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

### **OFT-6:**

- i. Season: Kharif
- **ii. Title of the OFT:** Assessment of nutrient management in Pigeon pea + maize intercropping.
- iii. Thematic Area: Soil fertility management.
- iv. Problem diagnosed: Low yield of Pigeon pea + Maize Inter cropping.
- v. Important Cause: Imbalance use of Nutrient in Pigeon pea +Maize inter cropping system
- vi. Production system: Pulse production system
- vii. Micro farming system: Rain fed Upland.
- viii. Technology for Testing: Farmers Practice- NPK (35:50:45) kg/ha.

T.O.-1- Arhar :100% RDF (25:50:25:20 at Sowing + 3 q Lime); Maize : 50% RDF at sowing + 30 kg N at 30 DAS. T.O.-2- Arhar 100 % RDF with seed treatment with Rhyzobium + 50% RDF in maize at Sowing + 30 kg N each at 30 DAS & tasseling

- ix. Existing Practice: Imbalance use of fertilizers in Pigeon pea + Maize intercropping
- x. Hypothesis:
- **xi. Objective(s):** The balance application plants nutrients in pigeon pea + maize intercropping may increase the productivity of both pigeon pea & maize
- xii. Treatments: Farmers Practice (FP): NPK (35:50:45) kg/ha. Technology option-I (TO-I): Arhar :100%RDF (25:50:25:20 at Sowing + 3 q Lime); Maize : 50% RDF at sowing + 30 kg N at 30 DAS. Technology option-II (TO-II): Arhar 100 % RDF with seed treatment with Rhyzobium + 50% RDF in maize at Sowing + 30 kg N each at 30 DAS & tasseling.
  xiii. Critical Inputs: Seeds and Fertilizers. xiv. Unit Size: 200 Sq.meter
- xv. No of Replications: 10
- **xvi. Unit Cost:** 2000
- xvii. Total Cost: 20000
- xviii.Monitoring Indicator:Yield (Q/ha)Cost of cultivation (Rs/ha)Net return (Rs)B:C Ratio

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

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

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

Sl. No.	Name of the project	Fund expected (Rs.)

## 11. No. of success stories proposed to be developed with their tentative titles-1 (One) Title: enterprenurship development in pig farming by Sri Corenual Hansda

### 12. Scientific Advisory Committee

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
17.01.2019	15.01.2020

### **13.** Soil and water testing

Details	No. of Samples				No	No. of Villages	No. of SHC distributed					
	Samples	S	С	S	Т	Ot	her	Total		v mages	uistributeu	
		Μ	F	Μ	F	Μ	F	М	F	Т		
Soil Samples	2000	150	50	650	350	600	200	1400	600	2000	50	20000
Water Samples	-	-	-	-	-	-	-	-	-	-	-	-
Other (Please specify)	-	-	-	-	-	-	-	-	-	-	-	-
Total	2000	150	50	650	350	600	200	1400	600	2000	50	20000

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

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
Pay & Allowances	45,50,999.00	5173000.00
Т.А	10,02,125.00	1,25,000.00
Contingencies		1,00,73,000.00
Non-Recurring		14,00,000.00
Total		

\* 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