

**REVISED PROFORMA FOR ACTION PLAN 2019-2020**

**1. Name of the KVK:**

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**2.Name of host organization :**

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

**(a) Farmers and farmwomen**

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop production	Production techniques of paddy seedlings for transplanting through transplanter	1.	2 days	on	08.07.19	3	0	2	0	30	0	35	0	35
Crop production	Improved production technology of winter paddy	1.	2 days	off	12.06.19	4	0	2	0	26	3	32	3	35
Crop production	Nursery management of summer paddy	1.	2 days	off	20.12.19	2	0	6		27		35	0	35
Crop production	Seed production technique of paddy	1.	2 days	on	23.12.19	3	1	1	0	30	0	35	0	35
Weed Management	Weed management of pulses and oilseeds crops	1.	2 days	off	01.11.19	5	0	2	0	28	0	35	0	35
Weed Management	Weed management of jute	1.	2 days	off	03.03.20	4	0	2	0	26	3	32	3	35
Post Harvest Technology	Improved retting techniques of jute fibre	1.	2 days	on	12.09.19	5	0	2	0	28	0	35	0	35
Resource Conservation Technologies	SRI method of paddy cultivation	1.	2 days	off	27.12.19	3	1	0	2	24	5	27	8	35
Crop production	Improved cultivation practices of sunflower	1.	2 days	off	11.11.19	2	1	1	2	24	5	27	8	35
Crop production	Improved production technology of potato	1.	2 days	on	13.11.19	3	1	0	2	24	5	27	8	35
Nutrient	Deficiency	1.	2 days	on	19.08.19	6	0	5	2	18	4	29	6	35

management	symptom of nutrients in plants and their management techniques.													
Production of organic inputs	Production techniques of Azolla and their uses	1.	2 days	on	03.02.20	5	2	3	1	22	2	30	5	35
Crop Diversification	Techniques of summer Mung cultivation with special reference to Rhizobium inoculation and fertilizer management.	1.	2 days	off	12.02.20	4	0	2	0	29	0	35	0	35
Crop Diversification	Crop production technology of groundnut	1.	2 days	off	17.03.20	3	1	2	0	24	5	29	6	35
Fodder production	Tips on fodder cultivation	1.	2 days	on	01.11.19	10	0	0	0	25	0	35	0	35
Micro nutrient deficiency in crops	Importance of application of micronutrients and their deficiency symptoms in plants	1.	2 days	on	23.09.19	4	2	1	3	20	5	25	10	35
Crop diversification	Improved cultivation practices of Turmeric and ginger		2 days		Feb	4	1	5	10	10	5	19	16	35
Production and Management technology	Scientific cultivation practices of flower crops emphasizing gladiolus and aster		2 days		Oct	4	1	5	10	10	5	19	16	35
Yield increment	Scientific cultivation practices of leafy vegetables with artificial lighting		2 days		July	4	1	5	10	10	5	19	16	35
Production and Management technology	Improved cultivation practices of Cole crops, solanaceous crops (cauliflower and cabbage)		2 days		Sept	4	1	5	10	10	5	19	16	35
Production and Management technology	Improved cultivation practices of some fruit crops eg. Mango, papaya, citrus, guava etc.		2 days		July	4	1	5	10	10	5	19	16	35
Production and Management technology	Improved cultivation practices of cucurbitaceous vegetables		2 days		March	4	1	5	10	10	5	19	16	35
Production and Management technology	Improved cultivation practices of Elephant foot yam and colocasia		2 days		Feb	4	1	5	10	10	5	19	16	35

Soil fertility management	An introduction to soil-profile, types and properties (physical, chemical and biological)	1	One Day	On	11.06.2019	5	2	2	1	20	5	20	15	35
Soil fertility management	Importance of soil fertility and appropriate use of fertilizers	1	One Day	On	19.06.2019 26.06.2019	3	2	2	1	8	4	15	5	20
Integrated Nutrient Management	Integrated nutrient management: Concept and components	1	One Day	On	06.08.2019	5	2	2	1	20	5	20	15	35
Integrated Nutrient Management	Importance of Integrated nutrient management in crop production	1	One Day	Off	20.08.2019	5	2	2	1	20	5	20	15	35
Production and use of organic inputs	Production technology and importance of vermicompost in crop production	1	One Day	On	03.09.2019	3	2	15	5	3	2	21	9	30
Management of Problematic soils	Problematic soils and their reclamation	1	One Day	On	17.09.2019	7	3	4	2	11	8	22	13	35
Nutrient Use Efficiency	Incorporation of biofertilizers in nutrient management of crops to enhance the nutrient use efficiency	1	One Day	On	23.10.2019	7	3	4	2	11	8	22	13	35
Nutrient Use Efficiency	Different approaches of nutrient use efficiency in plants	2	One Day	On	30.10.2019 05.11.2019	7	3	4	2	11	8	22	13	35
Micro nutrient deficiency in crops	Micro nutrient deficiencies in plants: their symptoms and management	1	One Day	On	14.11.2019	7	3	4	2	11	8	22	13	35
Soil and Water Testing	Importance of soil testing, method of soil sampling, interpretation and farm advisory based on soil test results	2	One Day	Off	10.12.2019 11.12.2019	7	3	4	2	11	8	22	13	35
Production of bio control agents and bio pesticides	Use of Bio-control agents and bio pesticides in insect pest management	1	One Day	On	12.06.2019	5	2	2	1	20	5	20	15	35
Integrated Disease	1. Sheath blight	1	One Day	On	26.06.2019	7	3	4	2	11	8	22	13	35

Management	managem ent of paddy													
Integrated Pest Management	Pest and disease of cucurbitacious crop and their management through IPM strategies	2	One Day	On	23.10.2019 15.11.2019	7	3	4	2	11	8	22	13	35
Integrated Disease Management	Disease management of paddy	2	One Day	Off	06.11.2019 14.11.2019	8	3	7	2	11	4	26	9	35
Integrated Pest Management	Pest management of paddy	1	One Day	On	13.11.2019	5	2	2	1	20	5	20	15	35
Bio-control of pests and diseases	Biological control of pests and disease management in vegetables	1	One Day	Off	11.09.2019	5	2	2	1	20	5	20	15	35
Bio-control of pests and diseases	Biological control of pests and disease management of Paddy	1	One Day	Off	21.08.2019	8	3	7	2	11	4	26	9	35
Integrated Disease Management	Pest and disease management of Pulse crops	1	One Day	On	09.10.2019	5	2	2	1	20	5	20	15	35
Integrated Pest Management	Pest and disease management of Oilseed crops	1	One Day	Off	16.10.2019	8	3	7	2	11	4	26	9	35
Bio-control of pests and diseases	Biological control of pests and disease management of Potato	1	One Day	On	23.10.2019	5	2	2	1	20	5	27	8	35
Dairy Management	Cattle Feed Management and increase of milk production	1	One Day	On	11.06.2019	5	2	2	1	20	5	27	8	35
Dairy Management	Use of indigenous and natural galactagogue Methi to increase milk production	1	One Day	On	19.06.2019 26.06.2019	3	2	2	1	8	4	13	7	20
Dairy Management	Entrepreneurship Development through dairy farming	1	One Day	Off	09.07.2019	5	2	2	1	20	5	27	8	35
Dairy Management	Dairy management and prevention of diseases	1	One Day	Off	24.07.2019	5	2	2	1	20	5	27	8	35
Goatry Management	Entrepreneurship development through goatry farming	1	One Day	On	06.08.2019	5	2	2	1	20	5	27	8	35

Goatry Management	Goatry management and prevention of diseases	1	One Day	Off	20.08.2019	5	2	2	1	20	5	27	8	35
Piggery Management	Pig farming – a profitable venture	1	One Day	On	03.09.2019	3	2	15	5	3	2	21	9	30
Duckery Management	Backyard Duck farming with high egg producing breeds	1	One Day	On	17.09.2019	7	3	4	2	11	8	22	13	35
Duckery Management	High egg producing Khaki Campbell duck Rearing	2	One Day	On	24.09.2019 26.09.2017	7	3	4	2	11	8	22	13	35
Poultry Management	Backyard fowl farming with high egg producing breeds	1	One Day	On	23.10.2019	7	3	4	2	11	8	22	13	35
Poultry Management	High egg producing Gramapriya fowl Rearing	2	One Day	On	30.10.2019 05.11.2019	7	3	4	2	11	8	22	13	35
Feed management	Introduction & importance of Azolla cultivation	1	One Day	On	14.11.2019	7	3	4	2	11	8	22	13	35
Feed management	Feeding of Azolla to livestock	1	One Day	On	20.11.2019	7	3	4	2	11	8	22	13	35
Feed management	Unconventional feeds of livestock and their optimum use	1	One Day	Off	28.11.2019	7	3	4	2	11	8	22	13	35
Feed management	Homely balanced feed preparation for different livestock	1	Two Days	Off	03.12.2019 04.12.2019	7	3	4	2	11	8	22	13	35
Disease Management	Management of health and Disease prevention of different livestock	2	One Day	Off	10.12.2019 11.12.2019	7	3	4	2	11	8	22	13	35
Disease Management	Treatment of different diseases of livestock along with preventive measures	2	One Day	Off	17.12.2019 18.12.2019	7	3	4	2	11	8	22	13	35
Production of quality animal products	Homely preparation of different milk products and their marketing	1	Two Days	On	07.01.2020 08.01.2019	7	3	4	2	11	8	22	13	35
Integrated Farming System	Self Sustenance through Integrated Farming System	2	One Day	On	04.02.2020 12.02.2020	7	3	4	2	11	8	22	13	35
Group dynamics	Farmers' Club: Its importance in modern agriculture	3	One Day	On	20.08.2019 20.09.2019 20.11.2019	4	1	5	10	10	5	19	16	35

Group dynamics	Joint Liabilities Group formation: Basic concepts and application	3	One Day	On	21.08.2019 18.09.2019 21.11.2019	4	1	5	10	10	5	19	16	35
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**(b) Rural youths**

Thematic area	Title of Training	No .	Duration	Venue On/Off	Tentative Date	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Vermiculture	Entrepreneurship development through Vermi composting	1	2 days	on	16.01.20	7	1	2	0	2	3	2	3	3	5
Nursery raising and management of fruit crops	Different propagation techniques of important fruit crops		2 days			5	0	3	0	2	7	0	3	5	3
Nursery raising	Nursery Management & Promotion and production of vegetable seedlings.		2 days			1	0	3	0	2	2	0	3	5	3
Off-season vegetables	Hi-tech cultivation of different high value and off season horticultural crops		2 days			6	0	3	0	2	6	0	3	5	3
Production and Management technology	Cultivation of Dendrobium, Vanda and Mokara orchids under protected condition		2 days			5	0	3	0	2	7	0	3	5	3
Soil health Management	Entrepreneurship development through Vermi composting	1	2 Days	On	17.03.2020 18.03.2020	3	0	3	2	2	7	0	3	3	2
Bee-keeping	Beekeeping as an enterprise and their pest and disease management	1	1 Day	On	31.07.2019	8	1	2	1	2	0	3	3	0	5
Poultry	Entrepreneurship	1	2 Days	On	19.12.201	8	1	2	1	2	3	3	3	5	3

Management	Development through Poultry Farming				9 20.12.2019					0		0		5
Goatry Management	Entrepreneurship Development through Goatry Farming	1	2 Days	On	17.03.2020 18.03.2020	8	1	2	1	20	3	30	5	35

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Livestock production and management	Role of Extension Personnel in animal resources conservation and self-sustenance	1	2 Days	On	25.02.2020 26.02.2020	5	2	2	1	22	3	29	6	35
Information networking among farmers	Participatory Rural Appraisal: Basic concept and Methods	1	2 days	On	9.12.19	10	0	2	0	23	0	35	0	35
Information networking among farmers	Methods of effective communication techniques at farmers' level	1	2 days	On	11.11.19	10	0	2	0	23	0	35	0	35

**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	2	54	3	57	9	0	9	4	0	4	67	3	70	
Resource Conservation Technologies	2	54	5	59	6	1	7	2	2	4	67	3	70	
Cropping Systems														

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
Crop Diversification	2	53	5	58	7	1	8	4	0	4	64	6	70
Integrated Farming													
Water management													
Seed production	1	30	0	30	3	1	4	1	0	1	34	1	35
Nursery management	1	27	0	27	2	0	2	6	0	6	35	0	35
Integrated Crop Management	3	74	13	87	9	2	11	3	4	7	86	19	105
Fodder production	1	25	0	25	10	0	10	0	0	0	35	0	35
Production of organic inputs	1	22	2	24	5	2	7	3	1	4	30	5	35
Others, (Post Harvest Technology)	1	28	0	28	5	0	5	2	0	2	35	0	35
<b>TOTAL</b>	<b>14</b>	<b>367</b>	<b>28</b>	<b>395</b>	<b>56</b>	<b>7</b>	<b>63</b>	<b>25</b>	<b>7</b>	<b>32</b>	<b>453</b>	<b>37</b>	<b>490</b>
<b>II. Horticulture</b>													
<b>a) Vegetable Crops</b>													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	1	10	5	15	4	1	5	5	10	15	19	16	35
Production of low volume and high value crops	1	10	5	15	4	1	5	5	10	15	19	16	35
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	1	10	5	15	4	1	5	5	10	15	19	16	35
<b>TOTAL</b>	<b>3</b>	<b>30</b>	<b>15</b>	<b>45</b>	<b>12</b>	<b>3</b>	<b>15</b>	<b>15</b>	<b>30</b>	<b>45</b>	<b>57</b>	<b>48</b>	<b>105</b>
<b>b) Fruits</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
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1	10	5	15	4	1	5	5	10	15	19	16	35
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
<b>TOTAL</b>	<b>1</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>19</b>	<b>16</b>	<b>35</b>
<b>c) Ornamental Plants</b>													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants	1	10	5	15	4	1	5	5	10	15	19	16	35
Others, if any													
<b>TOTAL</b>	<b>1</b>	<b>10</b>	<b>5</b>	<b>15</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>15</b>	<b>19</b>	<b>16</b>	<b>35</b>
<b>d) Plantation crops</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
<b>TOTAL</b>													
<b>e) Tuber crops</b>													
Production and Management technology	2	20	10	30	8	2	10	10	20	30	38	32	70
Processing and													

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			
value addition													
Others, if any													
<b>TOTAL</b>	<b>2</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>8</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>38</b>	<b>32</b>	<b>70</b>
<b>f) Spices</b>													
Production and Management technology													
Processing and value addition													
Others, if any													
<b>TOTAL</b>													
<b>g) Medicinal and Aromatic Plants</b>													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
<b>TOTAL</b>													
<b>III. Soil Health and Fertility Management</b>													
Soil fertility management	2	28	9	37	8	4	12	4	2	6	40	15	55
Soil and Water Conservation													
Integrated Nutrient Management	3	58	14	72	16	4	20	9	4	13	83	22	105
Production and use of organic inputs	1	3	2	5	3	2	5	15	5	20	21	9	30
Management of Problematic soils	1	11	8	19	7	3	10	4	2	6	22	13	35
Micro nutrient deficiency in crops	2	31	13	44	11	5	16	5	5	10	47	23	70
Nutrient Use Efficiency	2	22	16	38	14	6	20	8	4	12	44	26	70
Soil and Water Testing	1	11	8	19	7	3	10	4	2	6	22	13	35
Others, if any													
<b>TOTAL</b>	<b>12</b>	<b>164</b>	<b>70</b>	<b>234</b>	<b>66</b>	<b>27</b>	<b>93</b>	<b>49</b>	<b>24</b>	<b>73</b>	<b>279</b>	<b>121</b>	<b>400</b>
<b>IV. Livestock Production and Management</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			
Dairy Management	4	68	19	87	18	8	26	8	4	12	94	31	125
Poultry Management	4	44	32	76	28	12	40	16	8	24	88	52	140
Piggery Management	1	3	2	5	3	2	5	15	5	20	21	9	30
Rabbit Management													
Disease Management	2	22	16	38	14	6	20	8	4	12	44	26	70
Feed management	4	44	32	76	28	12	40	16	8	24	88	52	140
Production of quality animal products	1	11	8	19	7	3	10	4	2	6	22	13	35
Others, if any (Goat farming)	2	40	10	50	10	4	14	4	2	6	54	16	70
<b>TOTAL</b>	<b>18</b>	<b>232</b>	<b>119</b>	<b>351</b>	<b>108</b>	<b>47</b>	<b>155</b>	<b>71</b>	<b>33</b>	<b>104</b>	<b>411</b>	<b>199</b>	<b>610</b>
<b>V. Home Science/Women empowerment</b>													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural 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
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
<b>TOTAL</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													
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	3	42	17	59	20	8	28	13	5	18	75	30	105
Integrated Disease Management	3	42	17	59	20	8	28	13	5	18	75	30	105
Bio-control of pests and diseases	3	51	14	65	18	7	25	11	4	15	80	25	105
Production of bio control agents and bio pesticides	1	20	5	25	5	2	7	2	1	3	27	8	35
Others, if any													
<b>TOTAL</b>	<b>10</b>	<b>155</b>	<b>53</b>	<b>208</b>	<b>63</b>	<b>25</b>	<b>88</b>	<b>39</b>	<b>15</b>	<b>54</b>	<b>257</b>	<b>93</b>	<b>350</b>
<b>VIII. Fisheries</b>													
Integrated fish farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
<b>IX. Production of Inputs at site</b>													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures													

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			
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	2	20	10	30	8	2	10	10	20	30	38	32	70
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
<b>TOTAL</b>	<b>2</b>	<b>20</b>	<b>10</b>	<b>30</b>	<b>8</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>38</b>	<b>32</b>	<b>70</b>
<b>XI Agro-forestry</b>													
Production technologies													
Nursery management													
Integrated Farming Systems	1	11	8	19	7	3	10	4	2	6	22	13	35
<b>TOTAL</b>	<b>1</b>	<b>11</b>	<b>8</b>	<b>19</b>	<b>7</b>	<b>3</b>	<b>10</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>22</b>	<b>13</b>	<b>35</b>
<b>XII. Others (Pl. Specify)</b>													
<b>TOTAL</b>	<b>64</b>	<b>1019</b>	<b>323</b>	<b>1342</b>	<b>336</b>	<b>118</b>	<b>454</b>	<b>233</b>	<b>171</b>	<b>404</b>	<b>1593</b>	<b>607</b>	<b>2200</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													
Bee-keeping	1	20	3	23	8	1	9	2	1	3	30	5	35
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture	2	50	2	52	12	1	13	3	2	5	65	5	70
Sericulture													
Protected cultivation of vegetable crops	1	26	0	26	6	0	6	3	0	3	35	0	35
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	2	49	0	49	15	0	15	6	0	6	70	0	70
Training and pruning of orchards													
Value addition	1	27	0	27	5	0	5	3	0	3	35	0	35
Production of quality animal products													
Dairying													
Sheep and goat rearing	1	20	3	23	8	1	9	2	1	3	30	5	35
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	20	3	23	8	1	9	2	1	3	30	5	35
Ornamental fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
<b>TOTAL</b>	<b>9</b>	<b>212</b>	<b>11</b>	<b>223</b>	<b>62</b>	<b>4</b>	<b>66</b>	<b>21</b>	<b>5</b>	<b>26</b>	<b>295</b>	<b>20</b>	<b>315</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
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													



Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers	1	23	0	23	10	0	10	2	0	2	35	0	35
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	1	22	3	25	5	2	7	2	1	3	29	6	35
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													
<b>TOTAL</b>	<b>2</b>	<b>45</b>	<b>3</b>	<b>48</b>	<b>15</b>	<b>2</b>	<b>17</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>64</b>	<b>6</b>	<b>70</b>

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

**Crop: Paddy**

**Thrust Area:** Increasing yield by reducing risk of crop loss

**Thematic Area:** crop production

**Season:** kharif, 2019

**Farming Situation:** Rainfed medium lowland condition

S I. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonst ration	Paramet er (Data) in relation to technolo gy demonst rated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Dem o	Loc al	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy( Swarna Sub-1)	15	Cultivation practices of paddy with var. swarna Sub-1 under low land water logged condition	Yield compone nts,yield, economi cs	Seed	2800 0	250 00	6	2	3	1	4 2	6	5 0	1 0	6 0

**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 production technology of winter paddy	1	Farmer	1 day	off	4	0	2	0	26	3	32	3	35

**Crop: Potato**

**Thrust Area:** Increasing yield and quality by introduction of new variety.

**Thematic Area:** Crop production

**Season:** Rabi, 2019

**Farming Situation:** irrigated medium condition

S I. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonst ration	Paramet er (Data) in relation to	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Dem o	Loc al	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T

				<b>technology demonstrated</b>													
1	Potato	1.0	Introduction of new variety(K Himalini)	Yield components,yield, economics	Potato tuber	80,000	75,000	2	0	0	0	15	1	17	1	1	18

**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	Improved production technology of potato	1	Farmer	1 day	off	3	1	0	2	24	5	27	8	35

**Crop: Horticultural crops**

**Thrust Area:**

**Thematic Area:**

**Season: Rabi, 2019**

**Farming Situation: irrigated medium condition**

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	Elephant foot yam	0.26	Introduction of new variety	Yield	Corm	240000	225000													20
2	Colocasia	0.13	Introduction of new variety	Yield	Corm	161250	123750													15
3	Turmeric	0.26	Introduction of new variety	Yield	Rhizome	187500	176250													20
4	Tomato (Ca-application)	1.0	Application of Calcium to control blossom end rot	Percentage of infestation, yield	Calcium	187500	168750													30
5	Cucumber (GA <sub>3</sub> )	2.0	Application of GA <sub>3</sub> at 18 and 30 days old crop	Percentage of female flower increased, yield	GA <sub>3</sub>	123750	116250													30
6	Capsicum	0.52	Seedling raised in plug tray	Seedling mortality percentage, yield	Seedlings	210000	180000													20
7	Broccoli	0.26	Seedling raised in plug tray	Seedling mortality percentage, yield	Seedlings	160000	140000													10
8	Red cabbage	0.13	Seedling raised in plug tray	Seedling mortality percentage, yield	Seedlings	180000	165000													10

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								T
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Cultivation of high value as well as off-season vegetables	2	PF	4 day	off	4	0	0	0	4	1	4	1	6
						4	0	0	0	4	2	8	2	0
Training	Cultivation of Colocasia and elephant foot yam	1	PF	2 days	On	2	1	6	1	1	3	2	4	3
						2	1	6	1	8	3	6	4	0
Training	Cultivation of Colocasia and elephant foot yam	1	PF	2 days	OFF	2	1	6	1	1	3	2	4	3
						2	1	6	1	8	3	6	4	0
Training	Scientific cultivation practices of Turmeric, tomato and cucurbitaceous crops	2	PF	2 days	On and off	6	2	2	1	1	3	2	6	3
						6	2	2	1	8	3	6	6	2
Field day	Procedure to raise seedlings in plug trays or pro-trays under polyhouse condition	2	PF and RY	2 days	On	6	2	2	1	1	3	2	6	3
						6	2	2	1	8	3	6	6	2

**Crop:** Winter paddy

**Thrust Area:** Reducing disease incidence and increasing yield

**Thematic Area:** Disease management

**Season:** Kharif 2019

**Farming Situation:** Rainfed medium land condition

S I N o .	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technol ogy package for demonst ration	Parame ter (Data) in relation to technolo gy demonst rated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	De mo	Loc al	SC		ST		Oth er		Total		
								M	F	M	F	M	F	M	F	T
1	Winter paddy	10 ha.	Sheath blight manage ment of paddy	Disease incidenc e (percent age),yiel d compon ents, yield economi cs	Validam ycin 3% L	622 45	510 00	10	2	1 8	3	2 2	5	5 0	1 0	6 0

#### 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	Sheath blight management of paddy	1	farmer	1 day	on	7	3	4	2	11	8	22	13	35

**Crop:** Summer paddy

**Thrust Area:** Reducing disease incidence and increasing yield

**Thematic Area:** Disease management

**Season:** summer 2020

**Farming Situation:** Irrigated medium low land condition

S I N o .	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technol ogy package for demonst ration	Parame ter (Data) in relation to technolo gy demonst rated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	De mo	Loc al	SC		ST		Oth er		Total		
								M	F	M	F	M	F	M	F	T
1	Summ	10 ha	Blast	Disease	Tricycl	574	525	15	1	1	2	2	2	5	5	5

	er paddy		management of paddy	incidence (percentage), yield components, yield economics	azole 75% WP	50	00			3		2		0		5
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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	Disease management of paddy	1	Interested Farmers	1 Day	Off	8	3	7	2	11	4	26	9	35

**Crop:** Summer paddy

**Thrust Area:** Reducing pest incidence and increasing yield

**Thematic Area:** Pest management

**Season:** summer 2020

**Farming Situation:** Irrigated medium low land condition

S l. 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	Paddy	10	yellow Stem borer management of paddy	pest incidence (percentage), yield components, yield economics	Cartap hydrochloride 50% SP	62500	52000	20	3	20	3	20	4	60	10	70

**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	Pest management of paddy	1	farmer	1 Day	On	5	2	2	1	20	5	20	15	35

**Crop:** Groundnut

**Thrust Area:** Increasing productivity

**Thematic Area:** Nutrient management

**Season:** Summer

**Farming Situation:** Irrigated medium land

S l. 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	Groundnut	5	Gypsum application	No. of pods/plant, seeds/pod, yield, economics	Gypsum	41250	38100	8	4	10	2	12	4	30	10	40

**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	Nutrient management practices for sustaining groundnut yield and	1	Interested Farmers	1 Day	On	7	3	4	2	11	8	22	13	35



	soil productivity in rice-groundnut cropping system													
Field Day	Technical inputs distribution	2	FLD clientele	1 Day	On	8	4	10	2	12	4	30	10	40
Data collection	Pods/plant, seeds/pod, yield and economics of demo and local	6	FLD clientele	1 Day	On	8	4	10	2	12	4	30	10	40

**Crop:** Rice

**Thrust Area:** Optimizing nitrogen use efficiency in rice

**Thematic Area:** Nutrient management

**Season:** Kharif

**Farming Situation:** Rainfed low land

S l. N o.	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
	Rice	5	Use of leaf color chart for nitrogen management in rice	No. of effective tillers/plant, spikelet/panicle, grain yield, economics	Leaf color chart	49500	48750	8	4	5	3	12	8	25	15	40

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Use of leaf color chart for nitrogen management in Rice	1	Interested Farmers	1 Day	On	7	3	4	2	1	8	2	1	3
Field Day	Technical inputs distribution and showing the method of use	2	FLD clientele	1 Day	On	8	4	5	3	1	8	2	1	4
Data collection	No. of effective tillers/plant, spikelets/panicle, grain yield, economics of demo and local	6	FLD clientele	1 Day	On	8	4	5	3	1	8	2	1	4

**Crop:** Cauliflower

**Thrust Area:** Increasing productivity

**Thematic Area:** Micronutrient deficiency in plants

**Season:** Rabi

**Farming Situation:** Irrigated medium land

S.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	Cauliflower	2	Application of Mo and B	No. of affected curd, curd weight, yield, economics	Mo and B	13500	123750	5	2	2	1	8	2	1	5	5	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	Micronutrient deficiencies in plants: their symptoms and management	1	Interested farmers	1 Day	On	5	2	2	1	20	5	20	5	25
Field Day	Input distribution and identification of the symptoms	1	FLD clientele	1 Day	On	5	2	2	1	20	5	20	5	25
Data collection	No. of affected curds, curd weight, yield, economics	4	FLD clientele	1 Day	On	5	2	2	1	8	2	8	5	13

**Animal:** Fowl

**Thrust Area:** Increasing egg productivity

**Thematic Area:** Poultry Management and Production

**Season:** Round the Year

**Farming Situation:** Backyard Poultry Farming

S. 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	50 (10 chicks each)	Backyard poultry farming by high egg producing Gramapriya fowl	Egg Production	600	450	8	4	10	8	12	8	30	20	50	

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Backyard fowl farming with high egg producing breeds	1	Interested Farmers	1 Day	On	7	3	4	2	11	8	22	13	35
Training	High egg producing Gramapriya fowl Rearing	2	FLD clientele	1 Day	On	7	3	4	2	11	8	22	13	35
Field Day	Technical inputs for fowl rearing management	2	Duck owners	1 Day	On	8	4	10	8	12	8	30	20	50
Data collection	Egg production & cost & sell record of demo and local	6	FLD clientele	1 Day	On	8	4	10	8	12	8	30	20	50

**Animal:** Duck

**Thrust Area:** Increasing egg productivity

**Thematic Area:** Poultry Management and Production

**Season:** Round the Year

**Farming Situation:** Backyard Poultry Farming

S I. N o.	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
	Poultry	40 (10 Duck lings)	Backyard Duck Rearing by high	Egg Production	Khaki Campbell Duckli	900	600	8	4	5	3	1 2	8	2 5	1 5	4 0

		each)	egg producing Khaki Campbell duck		ngs, Starter mash											

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								T
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Backyard Duck farming with high egg producing breeds	1	Interested Farmers	1 Day	On	7	3	4	2	11	8	22	13	35
Training	High egg producing Khaki Campbell duck Rearing	2	FLD clientele	1 Day	On	7	3	4	2	11	8	22	13	35
Field Day	Technical inputs for duck rearing management	2	Duck owners	1 Day	On	8	4	5	3	12	8	25	15	40
Data collection	Egg production & cost & sell record of demo and local	6	FLD clientele	1 Day	On	8	4	5	3	12	8	25	15	40

**Animal:** Fowl & Duck  
**Thrust Area:** Low cost poultry feed  
**Thematic Area:** Poultry Management and Production  
**Season:** Round the Year  
**Farming Situation:** Backyard Poultry Farming

S I. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technol ogy package for demonst ration	Parame ter (Data) in relation to technolo gy demonst rated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Dem o	Loc al	SC		ST		Othe r		Total		
								M	F	M	F	M	F	M	F	T
1	Poultry	15	Azolla Productio n & Utilizatio n as Poultry Feed	Egg Producti on	Azolla Pit, Azolla , SSP	550	400	3	2	2	1	5	2	1 0	5	1 5

**Extension and Training activities under FLD:**

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Introduction & importance of Azolla cultivation	1	Poultry owners	1 Day	On	5	2	2	1	20	5	20	15	35
Training	Feeding of Azolla to livestock	1	FLD clientele	1 Day	On	3	2	2	1	5	2	10	5	15
Field Day	Identification & know how of successful Azolla production	1	Poultry owners	1 Day	On	5	2	2	1	20	5	20	15	35
Data collection	Egg production & cost & sell record of demo and local	4	FLD clientele	1 Day	On	3	2	2	1	5	2	10	5	15

**Animal:** Cattle

**Thrust Area:** Increasing Milk Production

**Thematic Area:** Dairy Management and Production

**Season:** July August September

**Farming Situation:** High yielding cows

S I. N o.	Crop & variety / Enterp rises	Prop osed Area (ha)/ Unit (No.)	Technol ogy package for demonst ration	Parame ter (Data) in relation to technolo gy demonst rated	Cost of Production (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Dem o	Loc al	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Dairy	20	Feed additive Crushed Methi seeds (Fenugre ek) as natural galactago gue	Milk Producti on	Crush ed Methi Seeds	9000	100 00	3	2	3	2	5	5	1 1	9	2 0

**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	Cattle Feed Management and increase of milk production	1	Cattle owners	1 Day	On	5	2	2	1	20	5	20	15	35
Training	Use of indigenous and natural galactagogue Methi to increase milk production	1	FLD clientele	1 Day	On	3	2	2	1	8	4	15	5	20
Field Day	Utility of Methi seeds and process	2	Cattle owners	1 Day	On	5	2	2	1	20	5	20	15	35

	of feeding it to cows													
Data collection	Daily milk production record of demo and local	6	FLD clientele	1 Day	On	3	2	2	1	8	4	15	5	20



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

Name of the Crop / Enterprise	Variety / Type / Breed	Period From..... to .....	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)/ No	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Winter Paddy	Swarna sub 1	June- Nov,2019	1.333	Certified	64.00	2,40,000	2,97,000	57,000
	Swarna masuri	June- Nov,2019	0.933	Certified	44.80			
	Pratiksha	June- Nov,2019	0.800	Certified	36.00			
	Satabdi	June- Nov,2019	0.800	Certified	31.20			
	Gobindabhog	June- Nov,2019	0.133	Certified	03.20			
	Radhunipagol	June- Nov,2019	0.267	Certified	06.40			
Murtard	JD-6	Nov 2019- March, 2020	0.800	Certified	07.20	24,000	28,800	4,800
Lentil	Maitree	Nov 2019- March, 2020	0.400	Certified	02.70	12,000	13,500	1,500
Summer Paddy	Satabdi	Jan – May,2020	0.800	Certified	36.00	1,08,000	1,48,000	40,000
	Ajit	Jan – May,2020	0.800	Certified	38.40			
Green gram	IPM 2-3 / Samrat	Feb- April,2020	0.267	Certified	02.40	7,500	9,600	2,100
Sesame	Sabitri	March- June , 2020	0.800	Certified	07.80	27,000	31,200	4,200
Elephant Footyam	Bidhan kusum	April 2019-Feb, 2020	0.013	--	05.00	10,000	17,500	7,500
Turmeric	Sugana	April –Dec, 2019	0.006	--	03.00	5,000	9,000	4,000
Vegetable seedlings (Capsicum, Tomato, Broccoli etc.)		Through out the year	400 sq.m	--	50,000	50,000	1,00,000	50,000
Coriander	--	Nov 2019 – March,2020	0.266	--	4.80	8,000	18,000	10,000
Black cumin	--	Nov 2019 – March,2020	0.133	--	1.80	5,000	9,000	4,000
Poultry	Gram Priya, Vanaraja	Round the year	20 sq.mt.	--	500 (Birds) 500 (Eggs)	1,35,000	1,67,300	32,300
Duckery	Khaki Cambell	Round the year	10	--	150			

			sq.mt.		500 (Eggs)			
Quail	Japanese Quail	Round the year	10 sq.mt.	--	100 (Birds) 400 (Eggs)			
Goatery	Black Bengal	Round the year	60 sq.mt.	--	20			

#### b) Village Seed Production Programme

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

#### 6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	20	400	100	500	50	20	10	30	420	110	530
2.	KisanMela	1	3000	2000	5000	50	40	5	45	3040	2005	5045
3.	KisanGhoshi											
4.	Exhibition	1	300	200	500	50				300	200	500
5.	Film Show	5	200	100	300	50	10	5	15	210	105	315
6.	Method Demonstrations	5	70	55	125	50	4	1	5	74	56	130
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings											
10.	Lectures delivered as resource persons											
11.	Advisory Services											
12.	Scientific visit to farmers field	120	700	500	1200	50	0	0	0	700	500	1200

13.	Farmers visit to KVK											
14.	Diagnostic visits	5	50	10	60	50	20	5	12	70	15	85
15.	Exposure visits	8	280	40	320	30	16	0	16	296	40	336
16.	Ex-trainees Sammelan											
17.	Soil health Camp	1	70	30	100	50	1	1	2	71	31	102
18.	Animal Health Camp											
19.	Agri mobile clinic											
20.	Soil test campaigns	2	200	50	250	50	10	2	12	210	52	262
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings											
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	10	300	300	600	50	55	5	60	355	305	660
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	24	300	300	600	50	72	24	96	372	324	696
27.	Mahila Kisan Diwas	1	0	60	60	50	3	4	7	3	64	67
28.	Any Other (Specify)											
	Total	203	5870	3745	9615		251	62	300	6121	3807	9928

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

Opening balance of 2019-2020 (As on 01.04.2019)	Amount proposed to be invested during 2019-2020	Expected Return
6,38,319	6,31,500	8,48,900

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

Project	Source	Amount to be received (Rs. in lakh)
DAESI (2 Batches)	Individual Trainee under MANAGE	16.0
RAWE	Individual Student under Suresh Gyan Vihar University, Jaipur, Rajasthan	0.30
ATMA short term research	ATMA, Howrah	5.0
Farmer-Scientist Interaction	ATMA, Howrah	0.40

9. On-farm trials to be conducted\*

### On Farm Trial-1

<b>i. Season:</b>	Kharif
<b>ii. Title of the OFT:</b>	Assessment of nutrient management practices for increasing yield of winter paddy in Howrah district
<b>iii. Thematic Area:</b>	Crop production
<b>iv. Problem diagnosed:</b>	Low yield of winter paddy due to improper nutrient management(specially N) in paddy
<b>v. Important Cause:</b>	Farmers generally apply fertilizer without soil testing and according to their own knowledge.
<b>vi. Production system:</b>	Rice-mustard-sesame
<b>vii. Micro farming system:</b>	Irrigated medium land condition
<b>viii. Technology for Testing:</b>	Different nutrient management practices.
<b>ix. Existing Practice:</b>	Application of lower and unscientific dose of fertilizer
<b>x. Hypothesis:</b>	Technology option-3 will give better result as compare to other options.
<b>xi. Objective(s):</b>	To reduce cost of production and increase yield.
<b>xii. Treatments:</b>	<p><b>Farmers’ Practice:</b> Application of lower dose (50:25:25 kg/ha N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O) of fertilizer.</p> <p><b>Technology Option -1.</b> Application recommended dose of fertilizers(60:30:30 kg/ha N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O ) 1/4N,full P and 2/3 K as basal;1/2 N at 15-20 DAT;1/4 N and 1/3 K at PI stage</p> <p><b>Technology Option -2.:</b> Application recommended dose of fertilizers(60:30:30 kg/ha N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O )</p>

	<p>full P and 2/3 rd K as basal; N in 4 equal splits at 20 days interval escaping basal one,1/3 rd K during final top dressing with N</p> <p><b>Technology Option -3:</b> Application recommended dose of P and K(30:30 kg/ha P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O ); full P and 2/3 rd K as basal,1/3 rd K at PI stage and application of N based on NRRI customized leaf colour chart(CLCC)</p>
<b>xiii. Critical Inputs:</b>	Fertilizer, Leaf Colour Chart
<b>xiv. Unit Size:</b>	0.133 ha
<b>xv. No of Replications:</b>	6
<b>xvi. Unit Cost:</b>	Rs.750
<b>xvii. Total Cost:</b>	Rs. 4500
<b>xviii. Monitoring Indicator:</b>	No. of effective tillers/hill, yield, economics
<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	ICAR-NRRI

### On Farm Trial-2

<b>i. Season:</b>	Summer
<b>ii. Title of the OFT:</b>	Assessment of weed management practices for increasing yield of groundnut in Howrah district
<b>iii. Thematic Area:</b>	Crop diversification
<b>iv. Problem diagnosed:</b>	Low yield of groundnut due to heavy weed infestation
<b>v. Important Cause:</b>	Weed compete with the crop and reduce yield

<b>vi. Production system:</b>	potato-Groundnut
<b>vii. Micro farming system:</b>	Irrigated medium land condition
<b>viii. Technology for Testing:</b>	Different weed management practices.
<b>ix. Existing Practice:</b>	Hand weeding
<b>x. Hypothesis:</b>	Technology option-2 will give better result as compare to other options.
<b>xi. Objective(s):</b>	To manage weed and increase yield
<b>xii. Treatments:</b>	<p><b>Farmers' Practice:</b> Hand weeding twice at 20 and 40 DAS</p> <p><b>Technology Option -1:</b> Pre-emergence application of <a href="#">Pendimethalin@0.75</a> kg ai/ha+one hand weeding at 20 DAS.</p> <p><b>Technology Option -2:</b> : Pre-emergence application of <a href="#">Pendimethalin@0.75</a> kg ai/ha+Application of Imazethapyr 10 SL @ 75 g ai/ha at 15 DAS.</p> <p><b>Technology Option -3:</b> Use of straw mulch</p>
<b>xiii. Critical Inputs:</b>	Herbicides, paddy straw
<b>xiv. Unit Size:</b>	0.133 ha
<b>xv. No of Replications:</b>	6
<b>xvi. Unit Cost:</b>	Rs.700
<b>xvii. Total Cost:</b>	Rs.4200
<b>xviii. Monitoring Indicator:</b>	Weed density, weed dry weight(g/m <sup>2</sup> ),yield, economics.

<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	Dutta <i>et al</i> ,BCKV
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### On Farm Trial-3

<b>1.</b>	<b>Season</b>	<b>Rabi</b>
2.	<b>Title of the OFT:</b>	<b>Assessment of performance of different flower crops</b>
3.	<b>Thematic Area:</b>	<b>Crop diversification</b>
4.	<b>Problem diagnosed:</b>	Less profit due to mono flower crops
5.	<b>Important Cause:</b>	Less profit due to mono flower crops
6.	<b>Production system:</b>	Flowers are cultivated as a irrigated crop in high to medium land situation
7.	<b>Micro farming system:</b>	Irrigated
8.	<b>Technology for Testing:</b>	Assessment of performance of aster and gladiolus over traditionally growing Chrysanthemum commonly known as cherry genda
9.	<b>Existing Practice:</b>	Farmers mainly growing cherry chrysanthemum
	<b>Hypothesis:</b>	Cultivation of gladiolus ( TO-II) may get best results
	<b>Objective(s):</b>	To break the monotony of same flower crops in these areas by introducing gladiolus and aster
	<b>Treatments:</b>	<b>Farmers Practice (FP):</b> Cultivation of chrysanthemum(cherry) during winter <b>Technology option-I (TO-I):</b> Cultivation of Aster <b>Technology option-II (TO-II):</b> Cultivation of Gladiolus
	<b>Critical Inputs:</b>	Seed, Corm

	<b>Unit Size:</b>	0.06 ha
	<b>No of Replications:</b>	7
	<b>Unit Cost:</b>	2000
	<b>Total Cost:</b>	14000
	<b>Monitoring Indicator:</b>	No. of flowers/sq. mt., Yield, BC ratio
	<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	IIHR

### On Farm Trial-4

1.	<b>Season</b>	<b>Kharif</b>
2.	<b>Title of the OFT:</b>	<b>Assessment of performance of artificial lighting on growth of off-season leafy vegetable(Palak )</b>
3.	<b>Thematic Area:</b>	<b>Precision Farming</b>
4.	<b>Problem diagnosed:</b>	Difficulty of getting desired growth during off-season cultivation
5.	<b>Important Cause:</b>	When the price is good, the yield is less
6.	<b>Production system:</b>	Off-season leafy vegetables are grown under low cost poly house in up-land condition
7.	<b>Micro farming system:</b>	Irrigated
8.	<b>Technology for Testing:</b>	Performance of blue and red artificial lights to increase photosynthetic activities on leafy vegetables
9.	<b>Existing Practice:</b>	Off-season leafy vegetables are grown without any artificial lighting
	<b>Hypothesis:</b>	Exposure of crops under red (650–665 nm) LEDs for 6 hours (TO-2) may be better.



<b>Objective(s):</b>	To increase the production by increasing photosynthetic activities
<b>Treatments:</b>	<b>Farmers Practice (FP):</b> Off-season leafy vegetables are grown without any artificial lighting or sometimes under lights without any colour specification <b>Technology option-I (TO-I):</b> Exposure of crops under blue LED (460–475 nm) for 6 hours <b>Technology option-II (TO-II):</b> Exposure of crops under red (650–665 nm) LEDs for 6 hours
<b>Critical Inputs:</b>	LED lights
<b>Unit Size:</b>	0.013 ha
<b>No of Replications:</b>	7
<b>Unit Cost:</b>	2000
<b>Total Cost:</b>	14000
<b>Monitoring Indicator:</b>	Crop duration, yield, BC ratio
<b>Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	NCBI (National Centre for Biotechnology Information). <b>Ref:</b> Darko <i>et. al</i> (2014), <a href="#">Philos Trans R Soc Lond B Biol Sci.</a> 2014 Apr 19; <b>369(1640):</b> 20130243.

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

## On Farm Trial-5

<b>i. Season:</b>	Rabi
<b>ii. Title of the OFT:</b>	<b>Assessment of performance of different insecticides to control mustard aphid in medium land situation of Howrah district.</b>
<b>iii. Thematic Area:</b>	Integrated pest management

<b>iv. Problem diagnosed:</b>	Injudicious application of pesticides for controlling aphids.
<b>v. Important Cause:</b>	Aphid causes huge production loss in mustard
<b>vi. Production system:</b>	Rice – Mustard – Rice based production system
<b>vii. Micro farming system:</b>	Irrigated medium to low land condition
<b>viii. Technology for Testing:</b>	Different management practices against aphid
<b>ix. Existing Practice:</b>	Farmers generally used Metasystox to manage aphid in mustard
<b>x. Hypothesis:</b>	Technology option 2 will perform well as compare to any other options
<b>xi. Objective(s):</b>	To reduce aphid incidence and increasing yield
<b>xii. Treatments:</b>	<p><b>Farmers' Practice:</b> Application of either Dimethoate or Oxydemeton methyl or Triazophos in indiscriminate manner.</p> <p><b>Technology Option -1:</b> Azadirachtin 10000 ppm @ 1.5 ml/l alternate with difenthiuron 17.8 SL @ 0.3 ml/l at 15 days interval</p> <p><b>Technology Option -2:</b> Azadirachtin 10000 ppm @ 1.5 ml/l alternate with (acephate 50% + imidacloprid 1.8%SP) at 15 days interval</p>
<b>xiii. Critical Inputs:</b>	insecticides
<b>xiv. Unit Size:</b>	0.13 ha
<b>xv. No of Replications:</b>	7
<b>xvi. Unit Cost:</b>	Rs. 1500
<b>xvii. Total Cost:</b>	Rs. 10500
<b>xviii. Monitoring Indicator:</b>	Aphid population per plant, Siliqua per plant, Seed per siliqua, Yield, B:C ratio

<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	B.C.K.V.
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### On Farm Trial-6

<b>i. Season:</b>	Rabi
<b>ii. Title of the OFT:</b>	<b>Assessment of different Integrated Pest Management (IPM) practices against Diamond Back Moth in cabbage of Howrah district.</b>
<b>iii. Thematic Area:</b>	Integrated Pest Management
<b>iv. Problem diagnosed:</b>	Injudicious application of pesticides for controlling diamond back moth.
<b>v. Important Cause:</b>	Due to Diamond back moth massive production loss in cabbage
<b>vi. Production system:</b>	Cucurbits – cabbage - chilli
<b>vii. Micro farming system:</b>	Irrigated high to medium land condition
<b>viii. Technology for Testing:</b>	Different management practices against DBM through IPM strategies
<b>ix. Existing Practice:</b>	Farmers generally used Cartap Hydrochloride 50% to manage DBM in cabbage
<b>x. Hypothesis:</b>	Technology option 2 will perform well as compare to any other options
<b>xi. Objective(s):</b>	To reduce DBM incidence and increasing yield
<b>xii. Treatments:</b>	<b>Farmers' Practice:</b> Application of locally available chemicals in indiscriminate manner. <b>Technology Option -1:</b> Cabbage + Coriander (3:1) and also application of Azadirachtin 10000 ppm @ 1.5 ml/l at 25 DAT, 35 DAT and 45 DAT. <b>Technology Option -2:</b> Application of Azadirachtin 10000 ppm @ 2 ml/l alternate with Indoxacarb 14.5% S.C. 1 ml/l at 25 DAT, 35 DAT and 45 DAT.

<b>xiii. Critical Inputs:</b>	Coriander seeds, Azadirachtin, Indoxacarb
<b>xiv. Unit Size:</b>	0.13 ha
<b>xv. No of Replications:</b>	7
<b>xvi. Unit Cost:</b>	Rs. 1500/-
<b>xvii. Total Cost:</b>	Rs. 10500/-
<b>xviii. Monitoring Indicator:</b>	DBM population per plant, percentage of infestation, Yield, B:C ratio
<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	ICAR - KVK

### On Farm Trial-7

<b>i. Season:</b>	Rabi
<b>ii. Title of the OFT:</b>	<b>Assessment of the method of application of zinc sulphate to combat <i>khaira</i> disease and to increase the yield of boro paddy in medium to low land situation in Howrah district</b>
<b>iii. Thematic Area:</b>	Micro nutrient deficiency in crops
<b>iv. Problem diagnosed:</b>	Low productivity due to <i>Khaira</i> disease in medium to low land paddy
<b>v. Important Cause:</b>	Occurance of <i>Khaira</i> disease in rice due to deficiency of zinc in soil
<b>vi. Production system:</b>	Rice – Rice – Vegetables based production system
<b>vii. Micro farming system:</b>	Irrigated medium to low land condition
<b>viii. Technology for Testing:</b>	Different methods of application of Zinc sulphate heptahydrate

<b>ix. Existing Practice:</b>	Application of indiscriminate amount of NPK with no use of zinc
<b>x. Hypothesis:</b>	All treatments are equal in terms of existing zinc content
<b>xi. Objective(s):</b>	To combat <i>khaira</i> disease and to increase the yield of boro paddy
<b>xii. Treatments:</b>	<p><b>Farmers' Practice:</b> Application of indiscriminate amount of NPK with no use of zinc</p> <p><b>Technology Option - I:</b> Recommended dose of fertilizer (N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O::120:60:60 kg/ha) + zinc sulphate heptahydrate @ 25kg/ha as basal application</p> <p><b>Technology Option - II:</b> Recommended dose of fertilizer (N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O:: 120:60:60 kg/ha) + zinc sulphate heptahydrate @ 5g/l as foliar application at 20 DAT and 45 DAT</p> <p><b>Technology Option - III:</b> Recommended dose of fertilizer (N:P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O:: 120:60:60 kg/ha)+ seed treatment with 2% zinc sulphate heptahydrate solution for 6 hours.</p>
<b>xiii. Critical Inputs:</b>	Zinc sulphate
<b>xiv. Unit Size:</b>	6
<b>xv. No of Replications:</b>	0.13 ha
<b>xvi. Unit Cost:</b>	400
<b>xvii. Total Cost:</b>	2400
<b>xviii. Monitoring Indicator:</b>	No. of affected plants/m <sup>2</sup> , no. of effective tillers/ m <sup>2</sup> , no. of spikelet /panicle, 1000 grain wt., total yield, economics
<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	BCKV

### On Farm Trial-8

<b>i. Season:</b>	Rabi
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<b>ii. Title of the OFT:</b>	Assessment of effectiveness of different bio-fertilizers on productivity of lentil in Howrah district
<b>iii. Thematic Area:</b>	Integrated nutrient management
<b>iv. Problem diagnosed:</b>	Low productivity of lentil
<b>v. Important Cause:</b>	Decrease in productivity of lentil due to improper nutrient management
<b>vi. Production system:</b>	Rice-lentil-sesame
<b>vii. Micro farming system:</b>	Irrigated medium land
<b>viii. Technology for Testing:</b>	Use of different bio fertilizers along with inorganics
<b>ix. Existing Practice:</b>	Use of only inorganic fertilizers
<b>x. Hypothesis:</b>	All treatments were done under same nutritional management
<b>xi. Objective(s):</b>	To increase the productivity of lentil
<b>Treatments:</b>	<b>Farmers' Practice:</b> Only inorganic fertilizer (20:50:20 N:P:K) <b>Technology Option - I:</b> FP + Phosphate solubilizing bacteria(PSB) <b>Technology Option - II:</b> FP+ Rhizobium <b>Technology Option - III:</b> FP + PSB + Rhizobium
<b>xii. Critical Inputs:</b>	PSB, Rhizobium culture
<b>xiii. Unit Size:</b>	0.13 ha
<b>xiv. No of Replications:</b>	6
<b>xv. Unit Cost:</b>	Rs. 600

<b>xvi. Total Cost:</b>	Rs. 3600
<b>xvii. Monitoring Indicator:</b>	No. of branches/plant, pods/plant, No. of seeds/pod, !000 grain wt., yield, economics
<b>xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	BCKV

## On Farm Trial-9

<b>i. Season:</b>	Summer (March, April, May)
<b>ii. Title of the OFT:</b>	Assessment of heat stress management practices for increasing production of cross bred cattle in Howrah district
<b>iii. Thematic Area:</b>	Livestock Production
<b>iv. Problem diagnosed:</b>	Low milk production during summer season in cattle
<b>v. Important Cause:</b>	Decrease in milk production during peak summer months
<b>vi. Production system:</b>	Dairy Production
<b>vii. Micro farming system:</b>	High yielding cattle production system
<b>viii. Technology for Testing:</b>	Heat amelioration technologies – bathing, air circulation and feeding of molasses and salt solution
<b>ix. Existing Practice:</b>	Bathing cattle once or twice in a week
<b>x. Hypothesis:</b>	All cows of each unit raised under similar conditions
<b>xi. Objective(s):</b>	To maintain healthiness and increase milk production
<b>xii. Treatments:</b>	<b>Farmers' Practice:</b> Bathing cattle once or twice in a week <b>Technology Option - I:</b> Bathing cattle once daily at 1 PM + Running of fan for 6 hours from 11 AM to 5 PM + Feeding of ad libitum molasses (5 %) & common salt (1 %)

	<p><b>Technology Option - II:</b> Bathing cattle twice daily at 12 PM &amp; 3 PM + Running of fan for 4 hours from 12 PM to 4 PM + Feeding of 5 liter cold water solution of molasses (5 %) &amp; common salt (1 %)</p> <p><b>Technology Option - III:</b> Bathing cattle thrice daily at 11 AM &amp; 2 PM &amp; 5 PM + Running of fan for 2 hours from 1 PM to 3 PM + Feeding of 2 liter cold water solution of molasses (5 %) &amp; common salt (1 %)</p>
<b>xiii. Critical Inputs:</b>	Fan, Molasses, Common Salt, Thermometer
<b>xiv. Unit Size:</b>	4 Cows
<b>xv. No of Replications:</b>	6
<b>xvi. Unit Cost:</b>	Rs. 2000
<b>xvii. Total Cost:</b>	Rs. 12000
<b>xviii. Monitoring Indicator:</b>	THI (Temperature Humidity Index), Daily Average Body Temperature, Pulse Rate, Respiration Rate, Dehydration Check, Milk Production, Economics.
<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	ICAR - NDRI

### On Farm Trial-10

<b>i. Season:</b>	Winter (December, January, February)
<b>ii. Title of the OFT:</b>	Assessment of effect of flooring system on production, reproduction and lameness in cross breed dairy cattle in Howrah district
<b>iii. Thematic Area:</b>	Livestock Production and Health Management
<b>iv. Problem diagnosed:</b>	Lameness and hoof problems , decreased fertility and milk production
<b>v. Important Cause:</b>	Lameness



<b>vi. Production system:</b>	Dairy Production
<b>vii. Micro farming system:</b>	High yielding cattle production system
<b>viii. Technology for Testing:</b>	Soft and less friction flooring systems
<b>ix. Existing Practice:</b>	Cattle are kept in Kachha floor
<b>x. Hypothesis:</b>	All cows of each unit raised under similar conditions
<b>xi. Objective(s):</b>	To maintain healthy hoof and increase milk production and fertility
<b>xii. Treatments:</b>	<b>Farmers' Practice:</b> Kachha floor + Kachha paddock <b>Technology Option – I:</b> Concrete floor + Concrete paddock <b>Technology Option - II:</b> Rubber mat floor + Sand Paddock <b>Technology Option - III:</b> Gunny bag floor + Sand Paddock
<b>xiii. Critical Inputs:</b>	Rubber mat, Sand, Gunny bag
<b>xiv. Unit Size:</b>	4 Cows
<b>xv. No of Replications:</b>	6
<b>xvi. Unit Cost:</b>	Rs. 3000
<b>xvii. Total Cost:</b>	Rs. 18000
<b>xviii. Monitoring Indicator:</b>	Behavior (lying down and getting up) and hygiene studies, joint swelling and body lesions, as well as, Weight, lesions, gait score, joint swelling, and animal and pen cleanliness, Scoring system for assessing steer and pen cleanliness, Scoring system for assessing knee and hock swelling
<b>xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	ICAR – IVRI

## On Farm Trial-11

<b>i. Season:</b>	Throughout the year
<b>ii. Title of the OFT:</b>	<b>Assessment of role of farmwomen for improving adoption percentage of technology disseminated through Training.</b>
<b>iii. Thematic Area:</b>	Gender Dimension
<b>iv. Problem diagnosed:</b>	Male dominance in participation of training programme. Low adoption percentage of modern technologies among the farmers
<b>v. Important Cause:</b>	Farm women are less exposed to different Capacity building programmes
<b>vi. Production system:</b>	Winter Rice- Summer Rice
<b>vii. Micro farming system:</b>	Irrigated low & Medium land
<b>viii. Technology for Testing:</b>	Involving the farming couple in Capacity building programmes
<b>ix. Existing Practice:</b>	Only male farmers are being trained
<b>x. Hypothesis:</b>	Farmers have gender assigned role in agriculture
<b>xi. Objective(s):</b>	To increase the adoption percentage of modern techniques
<b>Treatments:</b>	<p><b>Farmers' Practice:</b> General awareness of the technology through print media</p> <p><b>Technology Option -1:</b> Technology disseminated through training to the male farmers</p> <p><b>Technology Option -2:</b> Technology disseminated through training to the female farmers</p> <p><b>Technology Option -3:</b> Technology disseminated through training to the farmer couples (both husband and wife)</p>
<b>xii. Critical Inputs:</b>	Training, leaflets
<b>xiii. Unit Size:</b>	25 person in each unit (5+5+5+10)
<b>xiv. No of Replications:</b>	6
<b>xv. Unit Cost:</b>	Rs. 1005
<b>xvi. Total Cost:</b>	Rs. 6030
<b>xvii. Monitoring Indicator:</b>	Improvement in knowledge and skill to be determine by pre and post test score, adoption percentage

<b>xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):</b>	BCKV
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**10. List of Projects to be implemented by funding from other sources (other than KVK fund)**

Sl. No.	Name of the project	Fund expected (Rs.)
1	DAESI (2 Batches)	16.0
2	RAWE programme of final year graduation students of Suresh Gyan Vihar University, Jaipur, Rajasthan	0.30
3	ATMA short term research	5.0
4	Farmer- Scientist Interaction	0.40
5	PPS under CSISA project	1.6 (revalidated)

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

5 Numbers of Success stories of Crop husbandry, IFS, High value vegetable cultivations, Organic farming and IPM

**12. Scientific Advisory Committee**

Date of SAC meeting held during 2018-19	Proposed date during 2019-2020
19.07.2018	July, 2019

**13. Soil and water testing**

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

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

Heads	Expenditure (last year) (Rs.) up to 31.03.2019	Expected fund requirement (Rs.)
<b>Recurring</b>		
Pay & allowance	1,12,34,461	1,19,00,000
Contingency	11,50,000	13,00,000
TA	90,000	1,00,000
HRD	8860	30,000
TSP	0	0
Maintenance of Building	0	0
Sanklap Siddhi Diwas	0	0
Soil Health Day	0	0
District Kisan Mela	4,80,000	0
<b>Non-recurring (specify)</b>		
Trainees' Hostel	-	50,00,000
Land leveling, Landscaping	-	32,00,000
Fencing cum boundary wall	-	1,00,00,000

Furniture & Equipment	-	
Farm Equipment (grading and cleaning machine), furniture and furnishing	-	
Library	-	10000
Vehicle (Old Vehicle has been condemned)	-	8,00,000
<b>Total</b>	<b>1,29,63,321</b>	<b>3,23,40,000</b>

\* Any additional requirement may be suitably justified.

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

***A. Title-Variety Replacement of Elephant Foot Yam to increase yield***

**Agro-climatic zone for which the practice is relevant-** Old alluvial zone

**Micro-farming situation-** Irrigated and medium to high land situation

**Brief description-** KVK has replaced the local cultivars of EFY, popularly known as ‘Gohalpota’ with *Bidhan Kusum* in order to increase its production. At the same time KVK incorporated seed treatment with *Trichoderma viridae* @ 10 gm/kg seed to reduce the problem of rhizome rot. The change of variety and Rhizome rot control augment the yield by 71.14% (Avg. demo yield- 600 q/ha and avg. yield of local check- 350 q/ha) with decrease in disease problem to a tune of 50%.

**How the practice may effectively address the particular problem issue-** The areas of medium to high land situation of Jagatballavpur block and Udaynarayanpur block were previously dominated by elephant foot yam cultivation. But as the farmers were using local varieties like Gohalpota, Santragachi etc. without any seed treatment, the result of which, the yield was declining day by day.

This technology back up provided by KVK boosts up the eagerness of elephant foot yam cultivation amongst the farmers and now they are getting the benefit out of this practice. With the introduction of this technology in Jagatballavpur and Udaynarayanpur block of Howrah district, more than **80** numbers of **farmers** from **12** **villages** are adopting this technology through KVK’s training and demonstration. The area under elephant foot yam cultivation with our technology is increasing in a tune of 10% every year. The average income of the farmers of the aforesaid blocks has also increased by 18%.

***B. Title- SRI Technique of paddy***

**Agro-climatic zone for which the practice is relevant-** Old alluvial zone

**Micro-farming situation-** Irrigated medium to high land situation

**Brief description-** During Boro season rice is cultivated as an irrigated crop. In traditional system of paddy cultivation especially during Boro season it requires huge amount of natural resource- water thus depleting ground water table. To save irrigation water and to get higher yield, SRI method of paddy cultivation plays an important role. After two years of trial on SRI method it reveals that the following management practice suits best for Howrah district as well as recorded better yield (33% yield increase over traditional method).

**Technology for SRI method of paddy cultivation:**

- Transplanting of one seedling per hill at two leaf stage
- 25 cm x 25 cm spacing

- Application of organic manure @ 10 t ha<sup>-1</sup>
- Fertilizer dose 100:50:50 N: P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O ( N in four equal splits- basal, 15-18 DAT, 30-35 DAT and 45-45 DAT); full P<sub>2</sub>O<sub>5</sub> at basal and K<sub>2</sub>O- ¾ at basal and ¼ at 30-35 DAT.

**How the practice may effectively address the particular problem issue-** This technology back up provided by KVK boosts up the eagerness of SRI cultivation amongst the farmers and now they are getting the benefit out of this practice. With the introduction of this technology in Jagatballavpur block of Howrah district, more than **30** numbers of **farmers** from **6 villages** are adopting this technology through KVK's training and demonstration. The area under SRI cultivation with our technology is increasing in a tune of **10%** every year. The average income of the farmers of the aforesaid blocks has also increased marginally.