

**ICAR-ATARI, Pune**  
**DETAILS OF ACTION PLAN OF KVKs DURING 2018-19**  
(1<sup>st</sup> April 2018 to 31<sup>st</sup> March 2019)

**1. GENERAL INFORMATION ABOUT THE KVK**

**1.1. Name and address of KVK with phone, fax and e-mail**

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
Krishi Vigyan Kendra, Junagadh Agricultural University, Adityana Road, Opp. Saint Joseph School, Khapat-360579 Dist. Porbandar, Gujarat	Office	FAX	<a href="mailto:kvk_khpat@yahoo.co.in">kvk_khpat@yahoo.co.in</a> kvkkhapat@jau.in	-
	0286-2912562	-		

**1.2. Name and address of host organization with phone, fax and e-mail**

Address	Telephone		E mail	Website address
	Office	FAX		
Junagadh Agricultural University, Motibaug, Junagadh-362001, Gujarat	(1)0285- 2671784 (2)0285-2672080-90	(1) 0285-2672004 (2) 0285-2672653	-	www.jau.in

**1.3. Name of the Senior Scientist and Head with phone & mobile no.**

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. R. K. Odedra	0286-2912562	9825280843	rkodedra@jau.in

**1.4. Year of sanction: 2005**

**1.5. Staff Position (as on March 31, 2018)**

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Current Grade Pay	Date of joining	
1.	Senior Scientist and Head	Dr. R. K. Odedra	Plant Breeding & Genetics	15600-39100	6000/-	1-06-2009	-
2.	Subject Matter Specialist	Dr. R. B. Vadher	Entomology	15600-39100	6000/-	19-8-2006	-
3.	Subject Matter Specialist	Mrs. D. S. Thakar	Home Science	15600-39100	7000/-	22-8-2006	-

4.	Subject Matter Specialist	Dr. H. A. Patel	Animal Husbandry	15600-39100	6000/-	6-4-2015	-
5.	Subject Matter Specialist	V.M. Savaliya	Horticulture	15600-39100	6000/-	1-08-2017	-
6.	Subject Matter Specialist	Vacant	-	-	-	-	-
7.	Subject Matter Specialist	Vacant	-	-	-	-	-
8.	Programme Assistant	Vacant	-	-	-	-	-
9.	Computer Programmer	J J. Naliyapara	-	39900-126600	-	12-6-2008	-
10.	Farm Manager	Vacant	-	-	-	-	-
11.	Accountant/Superintendent	B. S. Bokhariya	-	39900-126600	-	18-6-2008	-
12.	Stenographer	P. H. Parekh	-	25500-81100	19950/- Fix	20-11-2013	-
13.	Driver 1	Vacant	-	-	-	-	-
14.	Driver 2	Vacant	-	-	-	-	-
15.	Supporting staff 1	Vacant	-	-	-	-	-
16.	Supporting staff 2	Vacant	-	-	-	-	-

**1.6. Total land with KVK (in ha):**

S. No.	Item	Area (ha)
1	Under Buildings	2.451
2.	Under Demonstration Units	0.337
3.	Under Crops	14.66
4.	Horticulture	2.798
5.	Pond	0.344
6.	Others if any	-
	<b>Total</b>	<b>20.59</b>

## 1.7. Infrastructural Development:

### A. Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2007	588	30,76,850	-	-	Completed
2.	Farmers Hostel	ICAR	2008	288	21,02,300	-	-	Completed
3.	Staff Quarters (6)	ICAR	2007	446	28,38,616	-	-	Completed
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5.	Fencing	ICAR	2009	500 RM	-	-	-	Completed
6.	Rain Water harvesting system	ICAR	2008	-	-	-	-	Completed
7.	Threshing floor	ICAR	2009	900	-	-	-	Completed
8.	Farm godown	ICAR	2009	129	-	-	-	Completed
9.	ICT lab	-	-	-	-	-	-	-
10.	Other	-	-	-	-	-	-	-

### B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor (Farmtrac)	2005	380000	58125 Hours	Good
Bolero Jeep	2006	486500	261491	Good
Motor cycle	2010	47000	17658 Km	Good

### C. Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
LCD projector	2008-09	100000	Running
Zerox machine	2008-09	124000	Running
R.O. plant	2008-09	24450	Running

Hcl laptop computer	2008-09	47,500	Running
Food processor	2008-09	5,495	Running
Multipurpose bullock drawn pipe frame implement head peace	2008-09	27,500	Running
Rotavator tractor operated	2008-09	96,000	Running
Planter tractor operated	2008-09	44,000	Running
Tractor drawn harrow cum cultivator cum intercultivator frame 86"	2008-09	37,500	Running
Samsung double door refrigerator	2008-09	17,650	Running
Electrolux grill microwave / oven	2008-09	9,580	Running
Panasonic LCD projector	2008-09	103,912	Running
Multi purpose groundnut cum wheat thresher	2008-09	114,000	Running
Cotton shredder	2008-09	242,000	Running
Solar street light	2008-09	28,000	Running
Solar lanterns	2008-09	4,800	Running
Solar cooker	2008-09	3,300	Running
Mobile seed grading unit	2008-09	1,685,000	Running
Decorticators	2008-09	95,850	Running
Winnowing fan	2008-09	8,500	Running
Chaff cutter	2008-09	30,188	Running
High tech sprayer pump	2008-09	1,850	Running

### 1.8. Details of SAC meetings to be conducted in the year

Sl.No.	Date
1. Scientific Advisory Committee	13/03/2018

## 2. DETAILS OF DISTRICT

### 2.1. Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Rainfed Farming System
2	Cattle/Buffalos
3	

## 2.2. Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

### a. Soil type

Sl. No.	Agro-climatic Zone	Characteristics
1	South Saurashtra	<p><b>Porbandar</b> district is located between 21° to 22° N latitude and 69° to 70° E longitude. <b>Khapat</b>- N 21° 40' 12" and E 69° 37' 14"</p> <p><b>Soil:</b> medium black &amp; silty loam with calcareous in nature</p> <p><b>pH:</b> of the soil is ranging from 8.01 to 8.58</p> <p><b>Water:</b> Ec value up to 8.1 mm / cm</p> <p><b>Average Rainfall:</b> 668.mm</p> <p><b>Temperature Range:</b>41.0° C to 12.0 °C</p>

### b. Topography

S. No.	Agro ecological situation	Characteristics
1	Shallow black soil with low rainfall	Soil: Sandy clay loam to clay with Rainfall: <750 mm
2	Hilly soil with low rainfall	Soil: Sandy clay loam to sandy clay with Rainfall: <750 mm
3	Medium black soil with low rainfall	Soil: Sandy clay to clay with Rainfall: <750 mm
4	Deep black soil with low rainfall (Ghed)	Soil: clay with Rainfall: <750 mm
5	Mix red & black soil with medium rainfall	Soil: Sandy clay loam to clay loam with Rainfall: 750-1000 mm

## 2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Sandy clay loam to clay	Rainfall: <750 mm	34241
2	Sandy clay loam to sandy clay	Rainfall: <750 mm	46080
3	Sandy clay to clay	Rainfall: <750 mm	86627
4	Clay	Rainfall: <750 mm	56880
5	Sandy clay loam to clay loam	Rainfall: 750-1000 mm	5707

## 2.4. Area, Production and Productivity of major crops cultivated in the district (2017-18)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Groundnut	69900	85627	12.25
2	Cotton	17900	47488	26.53
3	Wheat	6840	21662	31.67
4	Cumin	9190	5651	6.15
5	Coriander	16455	18643	11.33
6	Gram	14625	20723	14.17
7	Green gram	355	324	9.15
8	Black gram	120	147	12.25
9	Castor (Rabi)	1205	3675	30.50
10	Forage crops	29555	3342168	1130.83

## 2.5. Weather data (2017-18)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January 2017	-	27.91	11.08	89.00	29.00
February 2017	-	29.65	13.12	88.50	26.25
March 2017	-	32.76	16.56	77.75	42.25
April 2017	-	33.88	18.08	90.00	47.00
May 2017	-	32.40	20.49	80.60	58.60
June 2017	330.5	31.49	20.31	86.75	65.75
July 2017	189.6	29.73	15.97	95.00	72.25
August 2017	201.0	29.35	14.76	93.60	72.40
September 2017	110.0	30.83	16.35	92.00	62.75
October 2017	-	32.11	16.96	88.25	61.50
November 2017	-	30.48	15.59	79.40	51.00
December 2017	-	29.90	12.35	77.25	34.75
<b>Total</b>	<b>831.1</b>	<b>30.87</b>	<b>15.97</b>	<b>86.51</b>	<b>51.96</b>

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	83108	-	-
<b>Buffalo</b>	105346	-	-
<b>Sheep</b>	22649	-	-
<b>Goats</b>	22325	-	-
<b>Pigs</b>	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	-	-	-
<b>Rabbits</b>	-	-	-
<b>Poultry</b>			
Hens	-	-	-
<i>Desi</i>	2069	-	-
<b>Category</b>		Production (Q.)	Productivity
Fish (Reservoir)	10748 (Fisherman)	91513 MT (Capture)	10748 (Fisherman)

## 2.7. Details of Operational area / Villages

Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Porbandar	Cluster I	Khapat Palkhada Rinavala Kuchhadi Degam	Groundnut Wheat Cumin Coriander Sorghum Gram Fenugreek	<ul style="list-style-type: none"> <li>• White grub &amp; stem rot in groundnut</li> <li>• Wilt &amp; blight in cumin</li> <li>• Powdery mildew in coriander</li> </ul>	<ul style="list-style-type: none"> <li>• IPM</li> <li>• INM</li> <li>• Improved package of practices</li> <li>• IDM</li> <li>• Poor quality water</li> </ul>
Ranavav	Cluster II	Ramgadh Aaditpara Doltgadh Daiyar Pipliya	Groundnut Cotton Sorghum Wheat Cumin Pearl millet	<ul style="list-style-type: none"> <li>• White grub &amp; stem rot in groundnut</li> <li>• Pink ball worm &amp; sucking pest in cotton</li> <li>• Wilt &amp; blight in cumin</li> </ul>	<ul style="list-style-type: none"> <li>• IPM</li> <li>• INM</li> <li>• Improved package of practices</li> <li>• IDM</li> <li>• INM in Horticulture</li> </ul>
Kutiyana	Cluster III	Choliyana Sindhpur Frer Gokran Hamadpara	Groundnut Cotton Castor Sorghum Wheat Cumin Gram	<ul style="list-style-type: none"> <li>• White grub &amp; stem rot in groundnut</li> <li>• Pink ball worm &amp; sucking pest in cotton</li> <li>• Wilt &amp; blight in cumin</li> </ul>	<ul style="list-style-type: none"> <li>• IPM</li> <li>• INM</li> <li>• Improved package of practices</li> <li>• IDM</li> <li>• Problematic soil</li> <li>• Poor quality irrigation water</li> </ul>

## 2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Groundnut	Integrated Nutrient Management, Integrated Pest & Disease Management, Soil moisture conservation, Improved variety, organic farming
Cotton	Integrated Pest Management, Integrated Nutrient Management
Wheat	Integrated Nutrient Management, Soil moisture conservation
Cumin	Integrated disease management, irrigation management, organic farming
Coriander	Improved variety, IDM
Chick pea	Improved variety, INM, organic farming
Sorghum	Soil moisture conservation
Horticulture	Improved package of practices of spices, PHT in fruits & vegetables
Fisheries	Integrated fish farming, freshwater aquaculture, seaweed cultivation
Farm women	Income generating activities, Value addition in agricultural produce, women & child care

### 3. TECHNICAL PROGRAMME

#### 3.1. A. Details of targeted mandatory activities by KVK

OFT		FLD	
(1)		(2)	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
05	33	73.00	310

  

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
35	895	1326	2465

  

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
210	10000	-	250

#### 3.1. B. Operational areas details proposed during 2018-19

Sr. No	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1	Groundnut Wheat Cumin Coriander Sorghum Gram Buffalos	<ul style="list-style-type: none"> <li>White grub &amp; stem rot in groundnut</li> <li>Wilt &amp; blight in cumin</li> <li>Powdery mildew in coriander</li> <li>Milk Fever &amp; Mastitis</li> </ul>	6990 183 329 18845	Khapat Palkhada Rinavala Kuchhadi Degam	FLD OFT Training Extension Activity
2	Groundnut Cotton Sorghum Wheat Cumin Buffalos	<ul style="list-style-type: none"> <li>White grub &amp; stem rot in groundnut</li> <li>Pink ball worm &amp; sucking pest in cotton</li> <li>Wilt &amp; blight in cumin</li> <li>Milk Fever &amp; Mastitis</li> </ul>	6990 2685 183 18845	Ramgadh Aaditpara Doltgadh Daiyar Pipliya	FLD OFT Training Extension Activity
3	Groundnut Cotton Castor Sorghum Wheat Cumin Gram Buffalos	<ul style="list-style-type: none"> <li>White grub &amp; stem rot in groundnut</li> <li>Pink ball worm &amp; sucking pest in cotton</li> <li>Wilt &amp; blight in cumin</li> <li>Milk Fever &amp; Mastitis</li> </ul>	6990 2685 183 18845	Choliyana Sindhpur Gokran Farer Hamadpara	FLD OFT Training Extension Activity

\* Support with problem-cause and interventions diagram

### 3.2. Technologies to be assessed and refined

#### A.1. Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	1	-	-	-	-	1
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	1
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	1	-	-	-	-	-	-	-	1
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	-	<b>1</b>	-	-	<b>1</b>	-	-	-	-	<b>3</b>

#### A.2. Abstract on the number of technologies to be refined in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Kitchen garden	Tuber Crops	TOTAL
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Post Harvest	-	-	-	-	-	-	-	-	-	-

Technology										
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-	-	-	-	-

### A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-	-	-

### A.4. Abstract on the number of technologies to be refined in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	10	-	-	-	-	-	-	10
Value Addition	-	-	-	-	-	-	-	-
Production and Management	10	-	-	-	-	-	-	10
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>20</b>	-	-	-	-	-	-	<b>20</b>

**B. Details of On Farm Trial / Technology Assessment during 2018-19**

S. No.	Crop/enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the OFT (Rs.)	Parameters to be studied	Team members
1	Groundnut	Low yield due to white grub attack	Management of white grub in groundnut	IPM	JAU, Junagadh	<i>Beauveria bassiana</i> & <i>Metarhizium anisopliae</i> Chloropyrifos	1 kg each 1 Lit.	700/-	3	2100/-	Yield (kg/ha) White Grub population /m <sup>2</sup> Net Profit (Rs./ha)	3
2	Farm women	Physiological and muscular stresses in farmwoman during milking.	Evaluation and minimization of physiological & muscular stress of farm women	Revolving milking stool with Stand	MPUAT, Udaipur	Revolving milking stool with Stand	1	9600/-	5	48000/-	Physical stress, Tool Factor	3
3	Vegetables	Low production in Summer chilli	Integrated Nutrient Management in Summer chilli	INM	NAU, Navsari	Banana pseudostem sap @ 1 %	2 Lit.	300	5	1500	Yield Economics	5
4	Buffalo	Long intercalving period in Jafrabadi buffaloes	Effect of feeding of mineral mixture and Fervivet tablet in Jafrabadi Buffalos	Production and Management	Animal Nutrition and Feeding Practice, ICAR, New-Delhi	Mineral mixture 50 gm/day + Fervivet tablet 1 tablet /day (5 Tables)	1	3000/-	10	30000/-	Intercalving period in month & Average heat	3
5	Buffalo	Parasitic infection and low milk yield	Effect of parasitic drug on farm animal	Disease Management	Animal Nutrition and Feeding Practice, ICAR, New-Delhi	Mineral mixture 50 gm/day + Fenbendazole tablet (5-7.5 mg/kg body weight)	1	2500/-	10	25000/-	Milk yield & Income	3

### C. Technology Refinement during 2018-19

S.No.	Crop/enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Quantity per trial	Cost per trial	No. of trials	Total cost for the OFT (Rs.)	Parameters to be studied	Team members
1	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-
	-	-	-	4	-	-	-	-	-	-	-	-
2	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-
3	-	-	-	1	-	-	-	-	-	-	-	-
	-	-	-	2	-	-	-	-	-	-	-	-
	-	-	-	3	-	-	-	-	-	-	-	-

### 3.3. Frontline Demonstrations

#### A. Details of FLDs to be organized –

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Groundnut	GJG-22	Varietal evaluation	Improved variety & fertilizer	Seed	Kharif 2018	4	10	Low productivity of existing variety
2	Green gram	GM-5	Varietal evaluation	Imp. Variety & Bio fertilizer	seed	Summer 2019	4	10	Low productivity of existing variety
3	Wheat	Farmer's variety	INM	Zinc sulphate @ 20 kg/ha	Zinc sulphate @ 20 kg/ha	Rabi 2018-19	8	20	Deficiency of micronutrient
4	Cotton	Bt. Variety	IPM	IPM	Beuveria, Phromone traps	Kharif 2018	10	25	Heavy infestation of pink ball worm
5	Vegetables	Available at JAU, Junagadh	Varietal evaluation	Improved variety of 5 crops	Seed	Kharif 2018	2.5	50	-
6	Vegetables	Available at JAU, Junagadh	Varietal evaluation	Improved variety of 5 crops	Seed	Rabi 2018-19	2.5	50	-

7	Chick pea	-	Bio-agent	HNPV & <i>Beuveria</i>	Bio-agent HNPV & <i>Beuveria</i>	Rabi18-19	4	10	-	
8	Groundnut	-	INM	<i>Savaj Rhizobium</i> & Phosphate culture	<i>Savaj Rhizobium</i> & Phosphate culture	Kharif 2017	10	25	Higher dose of chemical fertilizer	
9	Wheat	-	INM	<i>Savaj Azotobacter</i> & Phosphate culture	<i>Savaj Rhizobium</i> & Phosphate culture	Rabi 2018-19	10	25	Higher dose of chemical fertilizer	
10	Wheat	GJW-463	Varietal evaluation	Improved variety	Seed	Rabi 2018-19	4	10	Low productivity of existing variety	
11	Sorghum (Gundhri)	-	INM	<i>Savaj Azotobacter</i> & Phosphate culture	<i>Savaj Rhizobium</i> & Phosphate culture	Semi Rabi 2018-19	10	25	Low productivity due to imbalance fertilizer appli.	
12	Onion	Pili patti	INM	Sulpher 90 %	Sulpher 90 %	Rabi 2018-19	4	10	Low productivity	
13	Animal Husbandry	-	Nutrition	Nutrition management	Supplement of by Pass Fat in Gir cow	-	-	20	Low Milk productivity	
14	Animal Husbandry	-	Nutrition	Nutrition management	Chelated mineral mixture	-	-	20	Low Milk productivity	
							<b>Total</b>	<b>73.0</b>	<b>310</b>	

### Sponsored Demonstration

Crop	Area (ha)	No. of farmers
-	-	-

## B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	15	-	325
2	Farmers Training	9	-	225
3	Media coverage	-	-	-
4	Training for extension functionaries	-	-	-

## C. Details of FLD on Enterprises

### a. Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Seed grader	-	Rabi 2018-19	70	-	-	Grading cost

### b. Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators
Animal Husbandry	Gir cow	20	-	Supplement of by Pass Fat in Gir cow	Fat % & milk yield
Animal Husbandry	Buffalo	20	-	Chelated mineral mixture	Fat % & milk yield

### c. FLD on Other enterprises

Enterprise	Name of the technology demonstrated	No. of Farmer	No. of units	Critical inputs	Performance parameters / indicators
Kitchen Gardening (Kharif)	Improved variety of 5 crops	50	5	Seed	Yield
Kitchen Gardening (Rabi)	Improved variety of 5 crops	50	5	Seed	Yield

### 3.4. Training (Including the sponsored and FLD training programmes):

#### A. ON Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	1	15	0	15	5	0	5	20
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	1	15	0	15	5	0	5	20
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	1	15	0	15	5	0	5	20
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	1	15	0	15	0	0	0	15
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	20	0	20	0	0	-	20
<b>b) Fruits</b>								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
<b>c) Ornamental Plants</b>								
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-

<b>d) Plantation crops</b>								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>e) Tuber crops</b>								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>f) Spices</b>								
Production and Management technology	1	20	0	20	0	0	0	20
Processing and value addition	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
<b>IV Livestock Production and Management</b>								
Dairy Management	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	1	16	0	16	4	0	4	20
Feed management	-	-	-	-	-	-	-	-
Production of quality animal products	1	13	3	16	2	2	4	20
<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	1	0	16	16	0	4	4	20
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	1	0	17	17	0	3	3	20
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-

Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-
Rural Crafts	1	0	16	16	0	4	4	20
Women and child care	-	-	-	-	-	-	-	-
<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	-	-	-	-	-	-	-	-
<b>VII Plant Protection</b>								
Integrated Pest Management	1	12	0	12	8	0	8	20
Integrated Disease Management	1	18	0	18	2	0	2	20
Bio-control of pests and diseases	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-
<b>VIII Fisheries</b>								
Integrated fish farming	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
<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 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	-	-	-	-	-	-	-	-
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
<b>XI Agro-forestry</b>								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>13</b>	<b>159</b>	<b>52</b>	<b>211</b>	<b>31</b>	<b>13</b>	<b>44</b>	<b>255</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-
Seed production	1	18	0	18	2	0	2	20
Production of organic inputs	-	-	-	-	-	-	-	-
Integrated Farming (Medicinal)	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	1	0	16	16	0	4	4	20
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-

Para vets	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>2</b>	<b>18</b>	<b>16</b>	<b>34</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>40</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	21	4	25	5	0	5	30
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation 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 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	-	-	-	-	-	-	-	-
Any other (Pl. Specify)	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>1</b>	<b>21</b>	<b>4</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>30</b>
<b>G. Total</b>	<b>16</b>	<b>198</b>	<b>72</b>	<b>270</b>	<b>38</b>	<b>17</b>	<b>55</b>	<b>325</b>

## B. OFF Campus

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	1	31	0	31	4	0	4	35
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	1	35	0	35	5	0	5	35
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	1	30	0	30	5	0	5	35
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	1	25	0	25	0	0	0	25
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-
<b>b) Fruits</b>								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	25	0	25	0	0	0	25
Cultivation of Fruit	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
<b>c) Ornamental Plants</b>								
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-

<b>d) Plantation crops</b>								
Production and Management technology	2	48	2	50	5	0	5	55
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>f) Spices</b>								
Production and Management technology	1	25	0	25	0	0	0	25
Processing and value addition	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	40	0	40	0	0	0	40
Soil and Water Conservation	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
<b>IV Livestock Production and Management</b>								
Dairy Management	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management /goat	-	-	-	-	-	-	-	-
Disease Management	3	65	5	70	5	10	15	85
Feed management	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	1	0	20	20	0	5	5	25
Designing and development for high nutrient efficiency diet	1	0	30	30	0	5	5	35
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-

Value addition	1	0	30	30	0	5	5	35
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	1	0	35	35	0	0	0	35
Rural Crafts	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-
<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	-	-	-	-	-	-	-	-
<b>VII Plant Protection</b>								
Integrated Pest Management	2	55	0	55	5	0	5	60
Integrated Disease Management	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	1	30	0	30	5	0	5	35
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-
<b>VIII Fisheries</b>								
Integrated fish farming	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
<b>IX Production of Inputs at site</b>								
Seed Production	-	-	-	-	-	-	-	-
Planting material production (Horti.)	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-

Vermi-compost production (Horti.)	-	-	-	-	-	-	-	-
Organic manures production (A.S.)	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-
Formation and Management of SHGs(HS)	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths (Agro.)	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
<b>XI Agro-forestry</b>								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems (Agro)	-	-	-	-	-	-	-	-
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>19</b>	<b>394</b>	<b>122</b>	<b>516</b>	<b>34</b>	<b>25</b>	<b>59</b>	<b>575</b>

### C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
<b>(A) Farmers &amp; Farm Women</b>								
<b>I Crop Production</b>								
Weed Management	-	-	-	-	-	-	-	-
Resource Conservation Technologies	2	46	0	46	9	0	9	55
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	1	20	0	20	5	0	5	25
Water management	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	2	45	0	45	10	0	10	55
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	1	15	0	15	0	0	0	15

<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-
Nursery raising	1	15	0	15	0	0	0	15
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-
Protective cultivation (Green Houses, Shade Net etc.)	1	20	0	20	0	0	0	20
<b>b) Fruits</b>								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	1	25	0	25	0	0	0	25
Cultivation of Fruit	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-
<b>c) Ornamental Plants</b>								
Nursery Management	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-
<b>d) Plantation crops</b>								
Production and Management technology	2	48	2	50	5	0	5	55
Processing and value addition	-	-	-	-	-	-	-	-
<b>e) Tuber crops</b>								
Production and Management technology	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-
<b>f) Spices</b>								
Production and Management technology	2	45	0	45	0	0	-	45
Processing and value addition	-	-	-	-	-	-	-	-
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	-	-	-	-	-	-	-	-
Soil and Water Conservation	1	40	0	40	0	0	0	40
Integrated Nutrient Management	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-

Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-
<b>IV Livestock Production and Management</b>								
Dairy Management	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	4	81	5	86	9	10	19	105
Feed management	-	-	-	-	-	-	-	-
Production of quality animal products	1	13	3	16	2	2	4	20
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	1	0	20	20	0	5	5	25
Designing and development for high nutrient efficiency diet	2	0	46	46	0	9	9	55
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	2	0	47	47	0	8	8	55
Income generation activities for empowerment of rural Women	-	-	-	-	-	-	-	-
Location specific drudgery reduction technologies	1	0	35	35	0	0	0	35
Rural Crafts	1	0	16	16	0	4	4	20
Women and child care	1	0	20	20	0	5	5	25
<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	-	-	-	-	-	-	-	-
<b>VII Plant Protection</b>								
Integrated Pest Management	3	67	0	67	13	0	13	80
Integrated Disease Management	1	18	0	18	2	0	2	20
Bio-control of pests and diseases	1	30	0	30	5	0	5	35
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-

<b>VIII Fisheries</b>								
Integrated fish farming	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
<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 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	-	-	-	-	-	-	-	-
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-
<b>XI Agro-forestry</b>								
Production technologies	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-
Sponsored training	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>32</b>	<b>528</b>	<b>194</b>	<b>722</b>	<b>60</b>	<b>43</b>	<b>103</b>	<b>825</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	-	-	-	-	-	-	-	-

Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-
Seed production	1	18	0	18	2	0	2	20
Production of organic inputs	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	1	0	16	16	0	4	4	20
Production of quality animal products	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-
Para vets	-	-	-	-	-	-	-	-
Para extension workers	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>2</b>	<b>18</b>	<b>16</b>	<b>34</b>	<b>2</b>	<b>4</b>	<b>6</b>	<b>40</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops	1	21	4	25	5	0	5	30
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation 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 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	-	-	-	-	-	-	-	-
Any other (Pl. Specify)	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1</b>	<b>21</b>	<b>4</b>	<b>25</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>30</b>
<b>G. TOTAL</b>	<b>35</b>	<b>567</b>	<b>214</b>	<b>781</b>	<b>67</b>	<b>47</b>	<b>114</b>	<b>895</b>

Details of training programmes attached in **Annexure –I**

**3.5. Extension Activities (including activities of FLD programmes)**

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	25	350	150	500	5	0	5	355	150	505
Kisan Mela	1	300	100	400	10	0	10	310	100	410
Kisan Ghosthi	25	275	50	325	0	0	0	275	50	325
Exhibition	5	250	125	375	0	0	0	250	125	375
Film Show	20	200	100	300	0	0	0	200	100	300
Farmers Seminar	5	150	100	250	0	0	0	150	100	250
Workshop	2	50	50	100	0	0	0	50	50	100
Group meetings	6	100	100	200	0	0	0	100	100	200
Lectures delivered as resource persons	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	10	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-
TV talks	-	-	-	-	-	-	-	-	-	-
Popular articles	10	-	-	-	-	-	-	-	-	-
Extension Literature	15	-	-	-	-	-	-	-	-	-
<b>Advisory Services</b>										
Scientific visit to farmers field	150	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	1000	-	-	-	-	-	-	-	-	-
Diagnostic visits	25	-	-	-	-	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	5	-	-	-	-	-	-	-	-	-
Soil health Camp	4	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	5	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-

Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	1	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	5	-	-	-	-	-	-	-	-	-
Krishi Mohostva	1	-	-	-	-	-	-	-	-	-
Krishi Rath	1	-	-	-	-	-	-	-	-	-
Pre Kharif workshop	1	-	-	-	-	-	-	-	-	-
Pre Rabi workshop	1	-	-	-	-	-	-	-	-	-
PPVFRA workshop	1	-	-	-	-	-	-	-	-	-
Any Other (Specify)	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1326</b>	<b>1675</b>	<b>775</b>	<b>2450</b>	<b>15</b>	<b>0</b>	<b>15</b>	<b>1690</b>	<b>775</b>	<b>2465</b>

### 3.6. Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>			
	Wheat	GJW-463	100
	-	-	-
<b>OILSEEDS</b>			
	Groundnut	GG-20 Breeder	80
	Groundnut	GJG-17 Breeder	20
	Groundnut	GG-20 Truthful	10
<b>PULSES</b>			
	-	-	-
	-	-	-
<b>VEGETABLES</b>			
	-	-	-
<b>OTHERS (Specify)</b>			
	-	-	-
			<b>Total</b>
			<b>210</b>

**PLANTING MATERIALS**

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	-	-	-
	-	-	-
	-	-	-
	-	-	-
<b>SPICES</b>	-	-	-
	-	-	-
<b>VEGETABLES</b>	Brinjal	GJLB-4, GJB-2	5000
	Tomato	GT-1, JT-3	5000
	-	-	-
	-	-	-
<b>FOREST SPECIES</b>	-	-	-
	-	-	-
<b>ORNAMENTAL CROPS</b>	-	-	-
		<b>Total</b>	<b>10000</b>

**Bio-products**

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
<b>BIO PESTICIDES</b>	-	-	-	-
1	-	-	-	-
2	-	-	-	-

**LIVESTOCK**

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle	-	-	-	-
	-	-	-	-
GOAT	-	-	-	-
SHEEP	-	-	-	-
POULTRY	-	-	-	-
Pig farming	-	-	-	-
FISHERIES	-	-	-	-
	-	-	-	-

#### 4.Literature to be Developed/Published

##### A. KVK News Letter

Date of start : 26/12/2017

Number of copies to be published : e- News letter

##### B. Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	3
2	Technical reports	6
3	News letters	4
4	Training manual all discipline	-
5	Popular article	6
6	Extension literature	10
<b>Total</b>		<b>29</b>

##### C. Details of Electronic Media to be produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette) and video clippings	Title of the programme	Number
1	-	-	-
2	-	-	-

D.Success stories/Case studies identified for development as a case. -

#### 5.1. Indicate the specific training need analysis tools/methodology followed for

##### A. Practicing Farmers

- a)
- b)
- c)

##### B. Rural Youth

- a)
- b)
- c)
- d)

##### C. In-service personnel

- a)
- b)
- c)

## 5.2. Indicate the methodology for identifying OFTs/FLDs

### For OFT:

- iii) Field level observations
- iv) Farmer group discussions
- v) Others if any

### For FLD:

- i) New variety/technology
- ii) Poor yield at farmers level
- iii) Existing cropping system
- iv) Others if any

## 5.3. Field activities

- i. Name of villages identified/adopted with block name (from which year) -

Name of the village	Name of the block	Taluka	Year
Khapat Palkhada Rinavala Kuchhadi Degam	Cluster I	Porbandar	2018
Ramgadh Aaditpara Doltgadh Daiyar Pipliya	Cluster II	Ranavav	2018
Choliyana Sindhpur Gokran Farer Hamadpara	Cluster III	Kutiyana	2018

- ii. No. of farm families selected per village : -
- iii. No. of survey/PRA conducted : 15
- iv. No. of technologies taken to the adopted villages : OFT, FLD, Training etc. -112
- v. Name of the technologies found suitable by the farmers of the adopted villages: -
- vi. Impact (production, income, employment, area/technological– horizontal/vertical): -
- vii. Constraints if any in the continued application of these improved technologies: -

## 6. LINKAGES

### 6.1. Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	ATMA	Propagation of modern agricultural technology as a resource person and through various extension activities.
2.	District Agricultural Officer	Propagation of modern agricultural technology as a resource person and through various extension activities.
3.	Jilla Panchyat	Propagation of modern agricultural technology as a resource person and through various extension activities.
4.	State Fisheries Department	Propagation of modern agricultural technology as a resource person and through various extension activities.
5.	DRDA	Propagation of modern agricultural technology as a resource person and through various extension activities.
6.	DWDU	Propagation of modern agricultural technology as a resource person and through various extension activities.

### 6.2. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	Training	KVK Scientist as a resource person
2	Farmer Field school	KVK Scientist as a resource person
3	Kishan Gosthi	KVK Scientist as a resource person
4	Farmer Scientist Interaction	KVK Scientist as a resource person

### 6.3.E-linkage during 2018-19

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
-	-	-	-

### 6.4. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	-	-
2	-	-

### 6.5. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	-	-
2	-	-

### 6.6. Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL etc.) / schemes during 2018-19

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
-	-	-	-	-	-

#### 7.0 Convergence with other agencies and departments: Nil

#### 8. Innovator Farmer's Meet 2018- 2019

Sl.No.	Particulars	Details
1	Are you planning for conducting Farm Innovators meet in your district?	Yes
	If Yes likely month of the meet	September
	Brief action plan in this regard	-

#### 9. Farmers Field School (FFS) planned 2018-2019

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.
1	Integrated Nutrient management	Integrated Nutrient management in Major Kharif crops	20000/-
2	Integrated Pest and Diseases management	Integrated Pest and Diseases management in Major Kharif crops	20000/-

#### 10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed:

#### 10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

#### 11. Utilization of hostel facilities

S. No.	Programme	No. of days
1	On Campus Training	48
2	Technology Week	5
3	Special day celebration	10
4	Exhibition/ Krushi Mela	5
	<b>Total</b>	<b>68</b>

## 12. ACTION PLAN OF INFRASTRUCTURE IN KVK

### A. Action plan of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	Crop cafeteria	Kharif & Rabi season	-	14 varieties of Kharif crops & 12 varieties of Rabi crops	-	-	-	-	Demonstration purpose
2	Poly house/Net house	2008-09	-	GJB-2, GJB-3, GJLB-4, GT-1 & JT-3	Sapling	10000	-	-	Demonstration purpose
3	Vermi-composting Unit	2009	-	-	Vermi-compost	-	-	-	Demonstration purpose
4	Ornamental fish production unit	2016-17	-	Different five types of fish	Fingerlings	-	-	-	Demonstration purpose
5	Rain water harvesting structure	2009-10	-	-	-	-	-	-	Demonstration purpose
6	Solar pump	2013-14	-	-	-	-	-	-	Demonstration purpose

### B. Action plan of instructional farm (Crops) including seed production

Name of the crop	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
<b>Cereals</b>							
Wheat	1.0	GJW-463	Truthful	100	-	-	-
<b>Pulses</b>	-	-	-	-	-	-	-
<b>Oilseeds</b>							
Groundnut	10	GG-20	Breeder	80	-	-	-
	2	GJG-17	Breeder	20	-	-	-

	1	GJG - 22	Breeder	10	-	-	-
<b>Fibers</b>	-	-	-	-	-	-	-
<b>Spices &amp; Plantation crops</b>	-	-	-	-	-	-	-
<b>Floriculture</b>	-	-	-	-	-	-	-
<b>Fruits</b>	-	-	-	-	-	-	-
<b>Vegetables</b>	-	-	-	-	-	-	-
<b>Others (specify)</b>	-	-	-	-	-	-	-

**C. Action plan of production Units (bio-agents / bio pesticides/ bio fertilizers etc.)**

Sl. No.	Name of the Product	Qty (expected)	Expected Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
-	-	-	-	-	-
-	-	-	-	-	-

**D. Action plan of instructional farm (livestock and fisheries production)**

Sl. No	Name of the animal / bird / aquatics	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

**Annexure - I**

**Training Programme**

**i) Farmers & Farm women (On Campus)**

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
	PF	Advanced production technologies of major kharif crops, INM and organic farming	4	15	0	15	5	0	5	20
	PF	Recent advances in production technology of Rabi crops	4	15	0	15	5	0	5	20
<b>Horticulture</b>										
	PF	Protected cultivation (Green house, Net house, tunnels)	4	20	0	20	0	0	0	20
	PF	Recent advances in production technologies of spices and vegetables	4	20	0	20	0	0	0	20
<b>Livestock prod.</b>										
	PF/FW	ITK practices in disease management of farm animals	4	16	0	16	4	0	4	20
	PF/FW	Hygienic milk production and management of mastitis in milch animals	4	13	3	16	2	2	4	20
<b>Agril. Engg.</b>										
	PF	-	-	-	-	-	-	-	-	-
<b>Home Sc.</b>										
	FW	Value addition in agriculture produce	4	0	16	16	0	4	4	20
	FW	Preparation of bakery products	4	0	17	17	0	3	3	20
	FW	Rural Craft	4	0	16	16	0	4	4	20
<b>Plan prot.</b>										
	PF	Integrated pest and diseases management in Kharif crops	4	12	0	12	8	0	8	20
	PF	Integrated pest and diseases management in Rabi crops	4	18	0	18	2	0	2	20
<b>Fisheries</b>										
-	-	-	-	-	-	-	-	-	-	-
<b>Soil Health</b>										
	PF	-	-	-	-	-	-	-	-	-

**i) Farmers & Farm women (Off Campus)**

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
<b>Crop Production</b>										
	PF	Advances in production technology of groundnut, cotton and INM	2	20	0	20	5	0	5	25
	PF	Organic farming and certification	2	31	0	31	4	0	4	35
	PF	Advances in production technologies of rabi crops, INM and organic farming	2	30	0	30	5	0	5	35
	PF	Crop diversification, soil health management, Soil sampling techniques & importance of soil analysis	2	40	0	40	0	0	0	40
<b>Horticulture</b>										
	PF	Layout and Management of mango orchards, Protected cultivation of flower & vegetables crops	2	25	0	25	0	0	0	25
	PF	Organic farming in Horticultural crops	2	23	2	25	0	0	0	25
	PF	Cultivation of spices, onion and garlic	2	25	0	25	0	0	0	25
	PF	Production Technologies of date palm	2	25	0	25	5	0	5	30
<b>Live Stock Production.</b>										
	PF	Disease, nutrition management & ITK practices in livestock	2	25	0	25	0	5	5	30
	PF	Care of pregnant animals and Care after calving	2	20	5	25	0	5	5	30
	PF	Deworming programme, control of parasites and artificial insemination in farm animals	2	20	0	20	5	0	5	25
<b>Agril. Engg.</b>										
	PF	-	-	-	-	-	-	-	-	-
	PF	-	-	-	-	-	-	-	-	-
<b>Home Sc.</b>										
	FW	Drudgery reducing technologies for farm women in agriculture and kitchen gardening	2	0	35	35	0	0	0	35
	FW	Nutritional diet for farm women, pregnant women, children & adolescent girls and Importance of vaccination and health care for infant	2	0	30	30	0	5	5	35

	FW	Preservation of fruits, vegetables and preparation of different types of masala	2	0	30	30	0	5	5	35
	FW	Preparation of bakery products	2	0	20	20	0	5	5	25
<b>Plant Protection</b>										
	PF	IPDM in major kharif crops	2	30	0	30	5	0	5	35
	PF	IPDM in major rabi crops	2	25	0	25	0	0	0	25
	PF	Biological control of pest & diseases in major crops	2	30	0	30	5	0	5	35
<b>Fisheries</b>										
-	-	-	-	-	-	-	-	-	-	-
<b>Soil health</b>										
	PF	-	-	-	-	-	-	-	-	-

### ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			Grant Total
					M	F	T	M	F	T	
-	PIS	Production of organic inputs (vermicomposting)	-	21	15	0	15	0	0	0	15
Vegetables	HOV	Plug Nursery raising technique for business	-	21	15	0	15	0	0	0	15

### iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			Grant Total
				M	F	T	M	F	T	
<b>On Campus</b>										
-	Extension functionaries	Integrated crop management- major crops	2	21	4	25	5	0	5	30

### iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
Crop Production	ATMA	PF	Soil health management	2	40	5	45	8	2	10	55
Horticulture	ATMA	PF	Production of organic spices	2	42	8	50	6	4	10	60
Plant Protection	ATMA	PF	Integrated management of pink ball worm in cotton	2	40	15	55	5	4	9	64

Plant Protection	ATMA	PF	Management of white grub in groundnut	2	50	14	64	2	2	4	68
Animal Husbandry	ATMA	PF	Artificial insemination	2	45	20	65	8	7	15	80
Home Science	ATMA	FW	Value Addition / Women and child care	2	50	10	60	0	0	0	60
<b>Total</b>				<b>12</b>	<b>267</b>	<b>72</b>	<b>339</b>	<b>29</b>	<b>19</b>	<b>48</b>	<b>387</b>
<b>b) Sponsored research programme</b>											
-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>c) Any special programmes</b>											
-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>				<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

**Budget - Details of budget utilization (2017-18) up to 31 March 2018**

<b>Sr. No.</b>	<b>Particulars</b>	<b>Sanctioned (lakh)</b>	<b>Released (lakh)</b>	<b>Expenditure (lakh)</b>
<b>13.1</b>	<b>Recurring Contingencies</b>			
13.1.1	<b>Pay &amp; Allowances</b>	60.87	60.87	53.94
13.1.2	<b>Traveling allowances</b>	0.53	0.53	0.12
13.1.3	<b>Contingencies</b>	-	-	-
<i>13.1.4.1</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance			
<i>B</i>	POL, repair of vehicles, tractor and equipments			
<i>C</i>	Meals/refreshment for trainees			
<i>D</i>	Training material			
<i>E</i>	Frontline demonstration except oilseeds and pulses	9.32	9.32	8.84
<i>F</i>	On farm testing			
<i>G</i>	Training of extension functionaries			
<i>H</i>	Maintenance of buildings			
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			
<i>J</i>	Library			
<b>13.1</b>	<b>Total Recurring</b>	<b>70.72</b>	<b>70.72</b>	<b>62.90</b>
<b>13.2</b>	<b>Non-Recurring Contingencies</b>	<b>0</b>	<b>0</b>	<b>0</b>
13.2.1	<b>Works</b>	0	0	0
13.2.2	<b>Equipments including SWTL &amp; Furniture</b>	0	0	0
13.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	0	0	0
24.2.4	<b>Library</b>	0	0	0
<b>13.2</b>	<b>Total Non Recurring</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>13.3</b>	<b>REVOLVING FUND</b>	<b>81.95</b>	<b>0</b>	<b>47.99</b>
<b>13.4</b>	<b>GRAND TOTAL (A+B+C)</b>	<b>152.67</b>	<b>70.72</b>	<b>110.89</b>

**Details of Budget Estimate (2018-19) based on proposed action plan**

<b>S. No.</b>	<b>Particulars</b>	<b>BE 2018-19 proposed (Rs.) (lakh)</b>
<b>14.1</b>	<b>Recurring Contingencies</b>	
14.1.1	<b>Pay &amp; Allowances</b>	<b>90.00</b>
14.1.2	<b>Traveling allowances</b>	<b>2.00</b>
14.1.3	<b>Contingencies</b>	<b>-</b>
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	<b>20.00</b>
<i>B</i>	POL, repair of vehicles, tractor and equipments	
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
<i>G</i>	Training of extension functionaries	
<i>H</i>	Maintenance of buildings	
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	
<i>J</i>	Library	
<i>14.1</i>	<b>TOTAL Recurring Contingencies</b>	<b>112.00</b>
<b>14.2</b>	<b>Non-Recurring Contingencies</b>	<b>0</b>
14.2.1	<b>Works</b>	<b>0</b>
14.2.2	<b>Equipments including SWTL &amp; Furniture</b>	<b>0</b>
14.2.3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)	<b>0</b>
14.2.4	<b>Library</b> (Purchase of assets like books & journals)	<b>0</b>
<b>14.2</b>	<b>TOTAL Non-Recurring Contingencies</b>	<b>0</b>
<b>14.3</b>	<b>REVOLVING FUND</b>	<b>33.96</b>
<b>14.4</b>	<b>GRAND TOTAL</b>	<b>145.96</b>