

## DETAIL OF ACTION PLAN

### K.V.K.,N.A.U.,DEDIAPADA,DIST:NARMADA

(1<sup>ST</sup> April 2016 to 31th March 2017)

#### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, N.A.U., Parsi Tekra, Dediapada- 393 040, District: Narmada, Gujarat	(02649) 234501	-	kvkdediapada@nau.in kvk_narmada@yahoo.in

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

Address	Telephone		E mail	Web Address
	Office	FAX		
Navsari Agricultural University, Eru Char Rasta, Navsari-396 450, Gujarat	(02637) 282771 to 75	-	vc_nau@yahoo.co.in deenaunvs@yahoo.co.in	www.nau.in

1.2.b.status of KVK website: yes

1.2.c No of visitor(hits) to your KVK website(as on today):




1.2.d Status of ICT lab at your KVK:No

##### 1.3. Name of the Programme Coordinator with phone & mobile No




Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. J. H. Rathod	---	094278 25427	hariom.janaksinh@gmail.com


1.4. Year of sanction: 2006

**1.5. Staff Position (As on 20 March. 2016)**

Sr. No.	Sanctioned post	Name of Person	Designation	Discipline	Pay Scale (Rs.)	Date of joining	Category (SC/ST/OBC/Other)	Permanent / Temporary	Mobile No.	Email id	Please attach recent photograph
1	Programme Coordinator	Dr. J. H. Rathod	Programme-Coordinator	Entomology	37400-67000	22/01/2012	Other	Temporary	8128686720	hariom.janakh@rediffmail.com	
2	Subject Matter Specialist	Vacant	SMS	Ext. Edu.	15600-39100	---	---	---	---	---	---
3	Subject Matter Specialist	Dr. A. D. Raj	SMS	Agronomy	15600-39100	02/05/2011	SC	Temporary	9374032375	adraj@rediffmail.com	
4	Subject Matter Specialist	Dr. H. R. Jadav	SMS	Entomology	15600-39100	30/01/2013	SC	Temporary	8140000465	hrjadav@nau.in	

5	Subject Matter Specialist	Dr. R. M. Patel	SMS	Animal Nutrition	--	--	--	--	--	--	--
6	Subject Matter Specialist	Dr. M.V. Tiwari	SMS	Home Science	15600-39100		Other	Temporary	9408985550		
7	Subject Matter Specialist	Dr. S. K. Desai	SMS	Horticulture	15600-39100-		Other	Temporary	9428382359	Sk_desai2003@yahoo.com	
8	Programme Assistant	Mr. V. R. Jinjala	Programme Assistant	Agronomy	13700 Fixed	13/08/2015	OBC	Temporary	9726892689	Vrjinjala@nau.n	
9	Farm Manager	Mr. R.S. Patel		Agriculture	13700 Fixed	13/08/2015	ST	Temporary	9904410078	rspatel@nau.in	

10	Computer Programmer	Mr. M. H. Bhatt	-	-	13700 Fixed	17/08/2015	Other	Temporary	7227801350		
11	Accountant / superintendent	Smt. P. U. Boradhara	-	-	9300-34100	-	Other	Temporary			
12	Stenographer	Vacant	-	-	5200-20200	-	-	-	-	-	-
13	Driver	Mr. S. M. Saiyed	-	-	5200-20200	23/08/2012	Other	Temporary	9428161154		
14	Driver	Vacant	-	-	-	-	-	-	-	-	-

15	Supporting Staff	Mr. D. M. Patel	-	-	4440-7440	22/08/2012		Temporary	9913628177		
16	Supporting Staff	Vacant	-	-	-	-	-	-	-	-	-

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

Sr. No.	Item	Area (ha)
1	Under Buildings	04.00
2.	Under Demonstration Units	01.00
3.	Under Crops	13.50
4.	Orchard/Agro-forestry	00.50
5.	Others (specify)	02.60

**1.7. Infrastructural Development:**

**A) Buildings**

Sr. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	October 2008	550	Complete
2.	Farmers Hostel	ICAR	-	-	-	April 2010	320	Complete
3.	Staff Quarters (6)	ICAR	-	-	-	January 2010	400	Complete
4.	Demonstration Units (2)	ICAR	-	-	-	-	-	-
5	Fencing	ICAR	-	-	-	-	-	Complete
6	Rain Water harvesting system	ICAR	-	-	-	-	-	-
7	Threshing floor	ICAR	-	-	-	-	-	Not available
8	Farm godown	ICAR	-	-	-	-	-	Complete

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Bolero)	2007	4,78,482	225256	Good
Bike	2012	49000/-	15177	Good

**C) Equipments & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Trailer	26.03.2007	80,000	Working
Cultivator	26.03.2007	15000	Working
Plough	22.10.2008	4300	Working
Electronic balance	20.08.2009	8000	Working
Scale balance	09.03.2009	6000	Working
Rotavator	02.03.2009	63,000	Working
Disc harrow	09.03.2009	57120	Working
Submersible pump	13.03.2009	41105	Working
Plough	18.03.2009	19000	Working
Leveler	18.03.2009	13500	Working
Pump sprayer	21.03.2009	20700	Working
Thresher	21.03.2009	105000	Working
Bund former	26.03.2009	12348	Working
Seed drill	26.03.2009	11500	Working
V ditcher	28.03.2009	20400	Working
Ridge	28.03.2009	15000	Working

Computer with accessories	28.03.2009	36735	Working
Submersible pump	30.03.2009	41075	Working
Honda Portable generator	31.03.2009	38000	Working
Digital camera	06.03.2010	25000	Working
Fax machine	20.03.2010	14900	Working
Digital Copier	29.03.2010	66600	Working
Multi crop thresher	26.03.2010	145000	Working
Castor Thresher	26.03.2010	15500	Working
Bag sewing machine	27.03.2010	5040	Working
A&V sound system	10-12-2010	42898	Working
Portable Sound system	10-12-2010	22784	Working
Multimedia projector with trolley & screen	10-12-2010	64997	Working
Seed cum fertilizers drill	16-03-2011	36100	Working
Winnower	16-03-2011	26500	Working
LCD TV	21-03-2011	54890	Working
Lap top	24-03-2011	37850	Working
Computer with accessories	17-03-2011	73690	Working
Water cooler with RO system	19-03-2011	43900	Working
Motor Cycle	22-03-2010	49650	Working
Solar Water Heater	22-03-2012	75025	Working
LCD TV	22-03-2012	40860	Working
Refrigerator	22-03-2012	20100	Working
Water Cooler with RO System	22-03-2012	42000	Working
Magazine Stand Model T-9309	12-03-2014	4465	Working
Acrylic Specimen Box	12-03-2014	840	Working
Acrylic Table Top/Desk ped	12-03-2014	4952	Working
Acrylic Door Name Plate	12-03-2014	656	Working
Electric Motor 5 H. P	23-08-2014	22500	Working
Electric Motor 0.5 H. P	03-12-2014	2800	Working
Loan Mover	23-12-2014	26200	Working
Sewing Machine with Gear( No. 16 )	23-12-2014	91200	Working
Sewing Machine without Gear	23-12-2014	8000	Working
Sewing Machine	23-12-2014	8000	Working
Trolley ( 2 Wheel)	24-02-2015	85000	Working
Case Wheel	24-02-2015	15000	Working
Samar	24-02-2015	28000	Working
Peddler	24-02-2015	20000	Working
Notice board	03-03-2015	5980	Working
Magazine Stand	03-03-2015	6240	Working
Honda Generator	23-03-2015	96500	Working

### 1.8 A). Details of SAC meeting to be conducted in the year

Sl. No.	Date
1. Scientific Advisory Committee	22-02-2017

## 2. DETAILS OF DISTRICT

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

Sr. No	Farming system/enterprise
1.	Crop production
2.	Crop production and Horticulture
3.	Crop production and Livestock
4.	Crop production, Horticulture and Livestock

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

### a) Soil types

Sr. No	Agro-climatic Zone	Characteristics
1	South Gujarat Zone II & Middle Gujarat Zone III	Rainfall: 1000-1250 mm Type of Soil: Undulating, shallow to medium in depth, fine textured, highly erosive. Soil Characteristics: Low fertility land and hilly terrain with dense forest. Soil fertility: Nitrogen-poor, Phosphorus medium, Potash High.

### b) Topography

S. No.	Agro ecological situation	Characteristics
1	<i>AES-I</i>	Rainfall: 1000-1250 mm
2	<i>AES IX</i>	Rainfall: >800 mm
3		

### 2.3 Soil types

S. No	Soil type	Characteristics	Area in ha
1	Undulating, shallow to medium in depth, fine textured, highly erosive	Low fertility land and hilly terrain with dense forest.	80 %
2	Deep black soil- Plain	Deep black soil with high rainfall- plain	20 %

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2014-15)

Sr. No.	Season and crops	Area (ha)	Production (M.T.)	Yield (kg/ha)
<b>KHARIF</b>				
1	Paddy Drilled	10879	9708	892
2	Paddy TP	00	00	00
3	Groundnut	84	110	1309
4	Cotton	529	1100	2079
	Unirrigated	46799	22698	485
5	Sorghum	3879	5275	1359
6	Maize	6546	9361	1430
7	Soybean	4127	7276	1763
8	Pigeon Pea (Arhar)	24823	24451	985
9	Greengram	460	216	469
<b>RABI</b>				
1	Wheat	1640	3710	2262
2	Sorghum	1636	2040	1246
3	Sugarcane	6692	468440	70000
4	Gram	1250	2098	1380
5	Maize	1302	2133	1638
6	Fodder Crops	1697	15129	8915
<b>SUMMER</b>				
1	Ground nut	455	850	1868
2	Bajra	672	1065	1594
3	Green Gram	721	570	790
4	Maize	374	735	1965
5	Vegetables	507	5843	11524
6	Melons	237	7983	33683
7	Fodder Crops	835	7895	9455



### 2.5. Weather data (2015-16)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)
		Max.	Min.	
June	44	-	-	-
July	15	-	-	-
August	21	-	-	-
September	--	-	-	-

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	4226	45,000 Tone/year milk	7.094 lit/day (milk)
<i>Indigenous</i>	136637		2.518 lit/day (milk)
<b>Buffalo</b>	58951		3.462 lit/day (milk)
<b>Sheep</b>	131	-	863 gm/year (wool)
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	-	-	-
<b>Goats</b>	71897	19843 kg meat/year	0.316 kg/year (meat)
<b>Pigs</b>	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	74	-	-
<b>Rabbits</b>	73	-	-
<b>Poultry</b>	-	-	-
Hens	-	-	-
<i>Desi</i>	138509	36,00,000 egg/year	0.2504 no. of egg/day
<i>Improved</i>	3887		0.6643 no. of egg/day
Ducks	913	-	-
Turkey and others	-	-	-
<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
Fish	-	-	-
Marine	-	-	-
Inland	18.09	-	200 kg/ha
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

### 2.7 Details of Operational area / Villages (2016-17)

Sl. No	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Nandod	Nandod	Khuta amba, Motibhamri, Movi, Amali, Bitada,	Paddy, Pigeon pea, sorghum  Gram	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> </ul>

			Wadi, Kasumbia, Samsherpura, Zer,	Paddy, Pigeon pea, sorghum  Gram, Cotton, wheat, Vegetable	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
2	Tilak-wada	Tilak-wada	Jesingpura, Tilkavada, Nimpura Katkoi, Bujetha	Cotton,  Paddy, Pigeon pea, maize  Gram, Wheat  Sorghum	<ul style="list-style-type: none"> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low animal productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> <li>• Production technology of major crops,</li> <li>• Promotion of vegetable crops,</li> <li>• Dairy management through feeding, housing and Health management</li> </ul>
	Tilak-wada	Tilak-wada	Puchh-pura, Kunjetha, Jaloda	Cotton,  Paddy, Pigeon pea, maize  Gram, Wheat  Sorghum	<ul style="list-style-type: none"> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low animal productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> <li>• Production technology of major crops,</li> <li>• Promotion of vegetable crops,</li> <li>• Dairy management through feeding, housing and Health management</li> </ul>
3	Sagbara	Sagbara	Nani Devrupen Moti Devrupen, Pat, Boradifali, Panchh Pipari	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat,  Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>

			Nanadoramba, Motadoramba, Makram, Nana Kakadiamba, Turavadi, Bodvav	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
4	Dedia-pada	Dedia-pada	Pansar, Navagam, Besana, Kankala Mota sukamba Nivalda	Paddy, Pigeon pea, sorghum  Gram	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> </ul>
			Almavadi, Jambar, Bhatpur, Sejpur , Pamlapada	Paddy, Pigeon pea, sorghum  Gram, Cotton , Wheat	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
			Kakarpada, Moti Kalbi, Haripura, Jamni, Samarpada, Kukadada, Chikada, Kevdi, Vadivav	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>

			Soliya Pangam Gajargota Ghantoli Koliwada	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
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### 2.7 Priority/thrust areas

Crop / Enterprise	Thrust area
Paddy	Variety replacement, Seed treatment, use of bio-fertilizer
Cotton	Integrated Pest Management, Integrated Nutrient Management
Pigeon pea	Variety replacement, Integrated Insect pests and Disease management, Land configuration, Inter cropping
Sorghum	Variety replacement, production technology
Green gram	Variety replacement
Black gram	Variety replacement
Banana	Integrated Nutrient Management
Sugarcane	Integrated Nutrient Management, Integrated Disease management
Maize	Variety replacement, production technology
Livestock	Dairy management through feeding, housing and Health management
Livestock	Popularizing the use of Concentrate mixture, mineral mixture and deworming

## 3. TECHNICAL PROGRAMME

### 3. A. Details of targeted mandatory activities by KVK during 2016-17.

OFT		FLD	
1		2	
Number of OFTs	Number of Farmers	Area (ha)	Number of Farmers
10	103	278	381
Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
106	3180	303	10325
Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
200		--	

### 3. B Abstract of intervention undertaken.

Sr. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
1	Increasing the production of major crops (Paddy, Pigeon pea, Wheat, Gram, Pulses and Cotton).	Paddy	Use of local variety, Imbalance use of fertilizers	--	Replacement of variety by introducing GR-5	<ul style="list-style-type: none"> <li>•Cultivation practices of drilled paddy</li> <li>•SRI system of rice intensification</li> <li>•Pests of paddy and its management</li> <li>•Weed management in kharif crops</li> <li>•Cultivation practices of Kharif crops</li> </ul>	--	<ul style="list-style-type: none"> <li>•Field day</li> <li>•Field visits</li> <li>•Diagnostic visit</li> <li>•Kisan gosthi</li> <li>•Crop</li> <li>•Symposium- Kharif and Rabi</li> <li>•Exhibition</li> <li>•Literature publication and distribution</li> </ul>	Seeds
		Pigeon pea	Use of local variety, Imbalance use of fertilizer, Wilt problem	--	Replacement of variety by introducing Vaishali variety, Management of wilt through Trichoderma, Integrated management of <i>Helicoverpa</i>	<ul style="list-style-type: none"> <li>•Pest and diseases of pigeon pea and IPM.</li> </ul>	--	<ul style="list-style-type: none"> <li>• Khedut sibir</li> <li>• Field visits</li> <li>• Diagnostic visit</li> <li>• Kisan gosthi</li> <li>• Crop symposium- Kharif and Rabi</li> <li>• Exhibition</li> <li>• Literature publication and distribution</li> </ul>	Seeds, Trichoderma, NPV

		Wheat	Use of local variety, Imbalance use of fertilizer	--	Replacement of variety by introducing GW-366		--	<ul style="list-style-type: none"> <li>•Khedut sibir</li> <li>•Field visits</li> <li>•Diagnostic visit</li> <li>•Kisan gosthi</li> <li>•Crop symposium- Kharif and Rabi</li> <li>•Exhibition</li> <li>•Literature publication and distribution</li> </ul>	Seeds
		Gram	Use of local variety, Imbalance use of fertilizer	--	Replacement of variety by introducing GG-2	<ul style="list-style-type: none"> <li>•Scientific cultivation of gram</li> </ul>	--	<ul style="list-style-type: none"> <li>•Field day</li> <li>•Field visits</li> <li>•Diagnostic visit</li> <li>•Kisan gosthi</li> <li>•Crop symposium- Kharif and Rabi</li> <li>•Exhibition</li> <li>•Literature publication and distribution</li> <li>•Khedut sibir</li> </ul>	Seeds
		Other Pulses	Use of local variety, Imbalance use of fertilizer	--	--	<ul style="list-style-type: none"> <li>•Weed management in pulses</li> <li>•Use of bio-fertilizer in oilseed and pulses</li> </ul>	--	<ul style="list-style-type: none"> <li>•Khedut sibir</li> <li>•Field visits</li> <li>•Kisan gosthi</li> <li>•Crop symposium- Kharif and Rabi</li> <li>•Exhibition</li> <li>•Literature publication and distribution</li> </ul>	
		Cotton	High input (pesticides and fertilizer) use	--	IPM	<ul style="list-style-type: none"> <li>•Efficient use of fertilizer</li> <li>•Scientific cultivation of cotton ,IPM in cotton</li> </ul>	--	<ul style="list-style-type: none"> <li>•Khedut sibir</li> <li>•Field visits</li> <li>•Diagnostic visit</li> <li>•Kisan gosthi</li> <li>•Crop symposium- Kharif and Rabi</li> <li>•Exhibition Literature publication and distribution</li> </ul>	Pesticides, Pheromone traps

2	Arid horticulture in Rainfed area.	--	No fruit trees in farm/backyard	--	--	<ul style="list-style-type: none"> <li>•Care and Management of mango orchard</li> <li>•Kitchen gardening</li> </ul>	--	Khedut shibir	Seedlings of Alma and custard apples were provided in each of the adopted village. (200 plants in each villages –Six villages)
3	Fruit and vegetables in irrigated area	Brinjal Chili Tomato	High input use Narrow spacing in Chili Insect pest and Disease problems	Refinement of crop spacing in Chili	Integrated Nutrient Management in Brinjal, Chili and Tomato	<ul style="list-style-type: none"> <li>•Nursery raising in <i>Rabi</i> vegetables)</li> <li>•Scientific cultivation of tomato</li> <li>•Pests of vegetable and its management</li> <li>•IPM in vegetable crops</li> <li>•Scientific cultivation of brinjal and Chili</li> <li>Nursery raising in Low cost green house</li> <li>•pests of brinjal</li> <li>•Low cost green house</li> </ul>	--	<ul style="list-style-type: none"> <li>•Khedut sibir</li> <li>•Field visits</li> <li>•Diagnostic visit</li> <li>•Kisan gothi</li> <li>•Crop symposium- Kharif and Rabi</li> <li>•Exhibition</li> <li>•Literature publication and distribution</li> <li>•Demonstration unit on kitchen gardening</li> </ul>	Seeds, Fertilizer
4	Creating awareness about Conservation of soil and water resources.	--	--	--	--	<ul style="list-style-type: none"> <li>•Drip irrigation in vegetable crops.</li> </ul>	--	<ul style="list-style-type: none"> <li>•Exhibition</li> <li>•Literature publication and distribution</li> </ul>	--

5	Income generation by imparting skill training.	Production of organic inputs	Traditional Method	Nil	Nil	•Production of 16quipm compost	--	•Training and Shibir	--
6	Women empowerment.	--	--	--	--	• Value addition in fruit crops	--	•Mahila Gosthi •Mahila Shibir on Group formation and income generating activities •Demonstrations on preservation of fruit and vegetable	--
7	Dairy management through feeding, housing and Health management	Animal Husbandry	No use of concentrate mixture, mineral mixture and deworming in calves leads to poor body growth performance	Effect of supplementation mineral mixture and concentrate on body growth performance in calves	---	•Importance of feeding concentrate and mineral mixture on performance of animals	---	•Pashupalan Shibir •Literature publication and distribution •Diagnostic visit •Animal health camp •Telephonic advisory	Concentrate mixture, Mineral mixture and Deworming tablets
			Low milk productivity due to malnutrition	Effect of supplementation of concentrate and mineral mixture on milk production of local buffalo breed of Narmada district.	---	•Importance of feeding concentrate and mineral mixture on performance of animals	---	•Pashupalan Shibir •Literature publication and distribution •Diagnostic visit •Animal health camp •Telephonic advisory	Concentrate mixture and Mineral mixture
			No use of mineral mixture leads to increase service period	---	Mineral Mixture	•Importance of feeding concentrate and mineral mixture on performance of animals	---	•Pashupalan Shibir •Literature publication and distribution •Diagnostic visit •Animal health camp •Telephonic advisory	Mineral mixture



			Low nutritive value of fodder	---	Urea treatment to paddy straw	•Urea treatment to paddy straw	---	<ul style="list-style-type: none"> <li>•Pashupalan Shibir</li> <li>•Literature publication and distribution</li> <li>•Diagnostic visit</li> <li>•Animal health camp</li> <li>•Telephonic advisory</li> </ul>	Urea and Plastic bags
			Incidence of Mastitis	---	Teat dipping	•Animal Health Care	---	<ul style="list-style-type: none"> <li>•Pashupalan Shibir</li> <li>•Literature publication and distribution</li> <li>•Diagnostic visit</li> <li>•Animal health camp</li> <li>•Telephonic advisory</li> </ul>	Potassium Permanganate (KMnO <sub>4</sub> ) powder
			Low availability of fodder	---	Fodder sorghum and Bajara	•Fodder crops		<ul style="list-style-type: none"> <li>•Pashupalan Shibir</li> <li>•Literature publication and distribution</li> <li>•Diagnostic visit</li> <li>•Telephonic advisory</li> </ul>	Fodder seed

### 3.1 Achievements on technologies assessed and refined

#### A.1 Abstract of the number of technologies assessed in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	4	0	2	0	1	0	0	0	0	7
Seed / Plant production	--	--	--	--	--	--	--	--	--	0
Weed Management	--	--	--	1	--	--	--	--	--	1
Integrated Crop Management	--	--	--	--	--	--	--	--	--	0
Integrated Nutrient Management	--	--	--	--	2	--	--	--	--	2
Integrated Farming System	--	--	--	--	--	--	--	--	--	0
Mushroom cultivation	--	--	--	--	--	--	--	--	--	0
Drudgery reduction	--	--	--	--	--	--	--	--	--	0
Farm machineries	--	--	--	--	--	--	--	--	--	0
Value addition	--	--	--	--	--	--	--	--	--	0
Integrated Pest Management	2	0	0	1	--	0	0	0	0	3
Integrated Disease Management	1	--	2	--	2	--	--	--	--	5
Resource conservation technology	--	--	--	--	--	--	--	--	--	0
Small Scale income generating enterprises	--	--	--	--	--	--	--	--	--	0
<b>TOTAL</b>	<b>7</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>

#### A. 2. Abstract of the number of technologies refined in respect of crops/enterprises

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	--	--	--	--	--	--	--	--	--	--
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 of the number of technologies assessed in respect of livestock / enterprises

Thematic areas	Cattle/Buffalo	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	--	--	--	--	--	--	--	--
Nutrition Management	3	--	--	--	--	--	--	--
Disease of Management	1	--	--	--	--	--	--	--
Value Addition	1	--	--	--	--	--	--	--
Production and Management		--	--	--	--	--	--	--
Feed and Fodder	1	--	--	--	--	--	--	--
Small Scale income generating enterprises	--	--	--	--	--	--	--	--
<b>TOTAL</b>	6	--	--	--	--	--	--	--

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	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>	--	--	--	--	--	--	--	--

## B. Details Of ON FARM TESTING:

### On going

1. Assessment of foliar application of KNO<sub>3</sub> to increase the yield and quality of Bt cotton in Narmada district
2. Effect of Bio intensive module against *Spodoptera litura* infesting Castor.
3. Effect of Bio intensive module against *Helicoverpa armigera* infesting Pigeon pea
4. Effect of supplementing mineral mixture and concentrate on Body growth performance in calves
5. Effect of supplementation of concentrate mixture and mineral mixture on milk production of local buffalo breed of Narmada district

### New

1. Assessment of different soybean varieties
2. Assessment of different Onion varieties
3. Assessment of different Garlic varieties
4. Effect of low cost food supplements in malnourished preschool children

**OFT: New****OFT: 1 (Crop Production)**

<b>1</b>	<b>Title</b>	<b>:</b>	<b>Assessment of different soybean varieties</b>
2	Problem diagnose/defined		Soybean is the major oilseed crop of Gujarat that boosted the economy of the state. It has great potential as a <i>kharif</i> oilseed and has emerged as an important commercial oilseed. The area under soybean was very limited in tribal area of Gujarat due to non availability of seeds of improved variety, poor management and biotic and abiotic stress. In soybean, very limited varieties are available in this area. Farmers grow only one variety in this area. Farmers have no choice of variety in soybean. In these situations it is necessary to assess the feasibility of various soybean varieties in this area.
3	Details of technologies selected for assessment/refinement	:	<b>T<sub>1</sub>: GS-2</b> <b>T<sub>2</sub>: GS-3</b> <b>T<sub>3</sub>: JS-335</b> <b>T<sub>4</sub>: KBS-344</b>
4.	Source of technology	:	NAU, Navsari
5	Production system/thematic area		Crop production
6	Thematic Area		Crop production
7	Performance of the technology with performance indicators		On going
8	Final recommendation for micro level situation		--
9	Constraints identified and feedback for research		--
10	Process of farmers participation and their reaction monitoring		Farmer's participation in planning, execution and monitoring.

**OFT: 2 (Horticulture)**

<b>1</b>	<b>Title</b>	<b>:</b>	<b>Assessment of different Onion varieties</b>
2	Problem diagnose/defined		Onion is the major crop of Gujarat that boosted the economy of the state. It has great potential as a <i>rabi crop</i> and has emerged as an important commercial bulb. The area under onion was very limited in tribal area of Gujarat due to non availability of seeds of improved variety, poor management and biotic and abiotic stress. In onion, very limited varieties are available in this area. Farmers grow only one variety in this area. Farmers have no choice of variety in onion. In these situations it is necessary to assess the feasibility of various onion varieties in this area.
3	Details of technologies selected for assessment/refinement	:	<b>T<sub>1</sub>: N-53</b> <b>T<sub>2</sub>: Talaja local</b> <b>T<sub>3</sub>: Local</b>
4.	Source of technology	:	JAU, Junagadh
5	Production system/thematic area		Horticulture
6	Thematic Area		Horticulture
7	Performance of the technology with performance indicators		-
8	Final recommendation for micro level situation		--

9	Constraints identified and feedback for research	--
10	Process of farmers participation and their reaction monitoring	Farmer's participation in planning, execution and monitoring.

### OFT: 3 (Horticulture)

1	Title	: Assessment of different Garlic varieties
2	Problem diagnose/defined	Garlic is the major crop of Gujarat that boosted the economy of the state. It has great potential as a rabi crop and has emerged as an important commercial crop. The area under Garlic was very limited in tribal area of Gujarat due to non availability of seeds of improved variety, poor management and biotic and abiotic stress. In Garlic, very limited varieties are available in this area. Farmers grow only one variety in this area. Farmers have no choice of variety in Garlic. In these situations it is necessary to assess the feasibility of various Garlic varieties in this area.
3	Details of technologies selected for assessment/refinement	: T1: Guj. Garlic-4 T2: Guj. Garlic-2 T3 : Local
4.	Source of technology	: JAU, Junagadh
5	Production system/thematic area	Horticulture
6	Thematic Area	Horticulture
7	Performance of the technology with performance indicators	-
8	Final recommendation for micro level situation	--
9	Constraints identified and feedback for research	--
10	Process of farmers participation and their reaction monitoring	Farmer's participation in planning, execution and monitoring.

### OFT: 4 (Home science)

1	Title	: <b>Effect of low cost food supplements in malnourished preschool children</b>
2	Problem diagnose/defined	<ul style="list-style-type: none"> <li>• Use of Traditional diet</li> <li>• Lack of knowledge about nutritional foods</li> <li>• Prevalence of infectious diseases</li> <li>• Poor socio-economic condition</li> </ul>
3	Details of technologies selected for assessment/refinement	: <b>T<sub>1</sub>: present poor dietary management (staple food)</b> <b>T<sub>2</sub>: Low cost food supplements</b> <b>T<sub>3</sub>: Commercial food (Market available weaning food)</b>
4.	Source of technology	: A Text book of "Nutritive value of Indian foods" by National Institute of Nutrition ICMR, Hyderabad
5	Production system/thematic area	Home science
6	Thematic Area	Nutrition Management
7	Performance of the technology with performance indicators	-

8	Final recommendation for micro level situation		--
9	Constraints identified and feedback for research		--
10	Process of farmers participation and their reaction monitoring		Farmer's participation in planning, execution and monitoring.

### 3.2 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	Pigeon pea	BDN-711	Use of old/local variety No seed treatment	popularize new	Seed Bio-fertilizer	Rainfed	12	30	<ul style="list-style-type: none"> <li>▪ Use of new variety</li> <li>▪ Seed treatment</li> </ul>
2	Pigeon pea	GT-1	Use of old/local variety No seed treatment	popularize new	Seed Bio-fertilizer	Rainfed	4	10	<ul style="list-style-type: none"> <li>▪ Use of new variety</li> <li>▪ Seed treatment</li> </ul>
3	Soybean	JS-335	Less area Cultivation No seed treatment	popularize new variety	Seed Bio-fertilizer	Rainfed	5	13	Introduction of new crop
4	Paddy (Drilled)	Purna	Use of local variety	Use of new variety	Seed Bio-fertilizer	Rainfed	10	24	Introduction of new variety
5	Paddy (T.P.)	GAR-1 GAR-3	Use of local variety	Use of new variety Seedtreatment	Seed Bio-fertilizer	Rainfed	10	24	Introduction of new variety
6	Cotton	BT-6&8	Use of Hybrid Bt variety	Use of new variety	Seed Bio-fertilizer	Rainfed	20	50	Introduction of new variety
7	Cotton (IPM)	-	Only chemical method of pest control	IPM	Neem based pesticides, B.bassiana	Rainfed	6	15	To minimize the use of pesticides
8	Paddy (IPM)	-	Only chemical method of pest control	IPM	Acetamipride	Rainfed	6	15	To minimize the use of pesticides
9	Sorghum	-	No use of chemicals	Seed treatment	Neem based pesticides,	Rainfed	6	15	Control of Shoot Fly
10	Paddy	-	No use of chemicals	Spraying	B.Bassiana	Rainfed	6	15	Control of Sheath mite and grain discoloration
11	Pigeon pea (Trichoderma)	Vaishali	No use of bio-agents	Biological control	Acetamipride	Rainfed	6	15	Control of wilt disease
12	Brinjal (Pseudomonas)	Surati Ravaiya	No use of bio-agents	Biological control	Thiamethoxam 70 WS	Irrigated	6	15	Control of wilt disease
13	Banana	--	Traditional	INM	Ethion 50 EC	Irrigated	5	15	INM in Banana

					0.05% + Mancozeb 75 WP 0.25%				
14	Tomato	GT-2	Use of local variety	Use of new variety	Trichoderma culture	Irrigated	5	15	Introduction of new variety
15	Brinjal	Surti Ravaiya	Use of local variety	Use of new variety	Pseudomonas culture	Irrigated	5	15	Introduction of new variety
16	Watermelon	-	Traditional	INM	Solar Cooker	Irrigated	6	15	INM
17	Onion	-	Traditional	INM	Seeds	Irrigated	6	15	INM
18	Solar Cooker	-	Traditional	Use Solar Energy	Fertilizer	-	-	10	Drudgery Rreduction
19	Kitchen Garden	Improved Vegetable Varieties	Traditional	Use of new variety	Seedling	-	-	25	Improve Nutritional Status

#### 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	10		
2	Farmers Training	10		
3	Media coverage	5		
4	Training for extension functionaries	1		

#### C. Details of FLD on Enterprises

##### (i) Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
-						
-						



**(ii) Livestock Enterprises**

Enterprise	Breed	No. of farmers	No. of animals, poultry birds/ha. etc.	Critical inputs	Performance parameters / indicators
-					
-					
-					

**3.3 Training (Including the sponsored and FLD training programmes):****A) ON 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	1	-	-	-	30	00	30	30	
Resource Conservation Technologies	-	-	-	-	-	-	-	-	
Cropping Systems	1	-	-	-	30	00	30	30	
Crop Diversification	1	-	-	-	30	00	30	30	
Integrated Farming	-	-	-	-	-	-	-	-	
Water management	1	-	-	-	30	00	30	30	
Seed production	1	-	-	-	30	00	30	30	
Nursery management	1	-	-	-	30	00	30	30	
Integrated Crop Management	1	-	-	-	30	00	30	30	
Fodder production	-	-	-	-	-	-	-	-	
Production of organic inputs	-	-	-	-	-	-	-	-	
<b>II Horticulture</b>									
<b>a) Vegetable Crops</b>									
Production of low volume and high value crops	1	-	-	-	30	00	30	30	
Off-season vegetables	1	-	-	-	30	00	30	30	
Nursery raising	2	-	-	-	60	00	60	60	
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-	
Export potential vegetables	-	-	-	-	-	-	-	-	
Grading and standardization	-	-	-	-	-	-	-	-	

Protective cultivation (Green Houses, Shade Net etc.)	2	-	-	-	60	00	60	60
<b>b) Fruits</b>	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-
Cultivation of Fruit	2	-	-	-	60	00	60	60
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	2	-	-	-	60	00	60	60
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	-	-	-	-	-	-	-	-
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	2	-	-	-	60	00	60	60
Integrated Nutrient Management	2	-	-	-	60	00	60	60
Production and use of organic inputs	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-

Nutrient Use Efficiency	-	-	-	-	-	-	-	-
Soil and Water Testing	1	-	-	-	30	00	30	30
<b>IV Livestock Production and Management</b>								
Dairy Management	2	-	-	-	60	00	60	60
Poultry Management	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-
Rabbit Management/goat	-	-	-	-	-	-	-	-
Disease Management	2	-	-	-	60	00	60	60
Feed management	2	-	-	-	60	00	60	60
Production of quality animal products	1	-	-	-	30	00	30	30
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	-	-	30	00	30	30
Design and development of low/minimum cost diet	2	-	-	-	60	00	60	60
Designing and development for high nutrient efficiency diet	2	-	-	-	60	00	60	60
Minimization of nutrient loss in processing	1	-	-	-	30	00	30	30
Gender mainstreaming through SHGs	1	-	-	-	30	00	30	30
Storage loss minimization techniques	1	-	-	-	30	00	30	30
Value addition	1	-	-	-	30	00	30	30
Income generation activities for empowerment of rural Women	2	-	-	-	60	00	60	60
Location specific drudgery reduction technologies	1	-	-	-	30	00	30	30
Rural Crafts	2	-	-	-	60	00	60	60
Women and child care	1	-	-	-	30	00	30	30
<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	1	-	-	-	30	00	30	30
<b>VII Plant Protection</b>								
Integrated Pest Management	2	-	-	-	60	00	60	60
Integrated Disease Management	2	-	-	-	60	00	60	60
Bio-control of pests and diseases	2	-	-	-	60	00	60	60
Storage grain pest Management	2	-	-	-	60	00	60	60
<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	2	-	-	-	60	00	60	60
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	2	-	-	-	60	00	60	60
Group dynamics	2	-	-	-	60	00	60	60
Formation and Management of SHGs	2	-	-	-	60	00	60	60
Mobilization of social capital	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	2	-	-	-	60	00	60	60
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>	63	-	-	-	1890	00	1890	1890
<b>(B) RURAL YOUTH</b>	-	-	-	-	-	-	-	-
Mushroom Production	1	-	-	-	30	0	30	30
Bee-keeping	-	-	-	-	-	-	-	-
Integrated farming	1	-	-	-	30	0	30	30
Seed production	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-
Integrated Farming (Medicinal)	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-
Vermi-culture	1	-	-	-	30	0	30	30
Sericulture	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-
Nursery Management of Horticulture crops	1	-	-	-	30	0	30	30
Training and pruning of orchards	-	-	-	-	-	-	-	-
Value addition	1	-	-	-	30	0	30	30
Production of quality animal products	1	-	-	-	30	0	30	30
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	1	-	-	-	30	0	30	30
Tailoring and Stitching	1	-	-	-	30	0	30	30
Rural Crafts	-	-	-	-	-	-	-	-
<b>TOTAL</b>	13	-	-	-	390	00	390	390
<b>(C) Extension Personnel</b>	-	-	-	-	-	-	-	-
Productivity enhancement in field crops	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-
Formation and Management of SHGs	1	-	-	-	30	0	30	30
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>	1	-	-	-	30	0	30	30
<b>G. Total</b>	<b>77</b>				<b>2310</b>	<b>0</b>	<b>2310</b>	<b>2310</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	1	-	-	-	30	0	30	30
Resource Conservation Technologies	-	-	-	-	-	-	-	-
Cropping Systems	-	-	-	-	-	-	-	-
Crop Diversification	-	-	-	-	-	-	-	-
Integrated Farming	1	-	-	-	30	0	30	30
Water management	1	-	-	-	30	0	30	30
Seed production	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-
Integrated Crop Management	1	-	-	-	30	0	30	30
Fodder production	-	-	-	-	-	-	-	-
Production of organic inputs	1	-	-	-	30	0	30	30
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	1	-	-	-	30	0	30	30
Off-season vegetables	1	-	-	-	30	0	30	30
Nursery raising	1	-	-	-	30	0	30	30
Exotic vegetables like Broccoli	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-
Grading and standardization	1	-	-	-	30	0	30	30
Protective cultivation (Green Houses, Shade Net etc.)	-	-	-	-	-	-	-	-
<b>b) Fruits</b>								
Training and Pruning	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-
Cultivation of Fruit	1	-	-	-	30	0	30	30
Management of young plants/orchards	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	1	-	-	-	30	0	30	30
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	-	-	-	-	-	-	-	-
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	-	-	-	30	0	30	30
Soil and Water Conservation	1	-	-	-	30	0	30	30
Integrated Nutrient Management	1	-	-	-	30	0	30	30
Production and use of organic inputs	1	-	-	-	30	0	30	30
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	1	-	-	-	30	0	30	30
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management	1	-	-	-	30	0	30	30
Feed management	1	-	-	-	30	0	30	30
Production of quality animal products	-	-	-	-	-	-	-	-
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	1	-	-	-	30	0	30	30
Design and development of low/minimum cost diet	1	-	-	-	30	0	30	30



Designing and development for high nutrient efficiency diet	1	-	-	-	30	0	30	30
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	1	-	-	-	30	0	30	30
Storage loss minimization techniques	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-
Income generation activities for empowerment of rural Women	1	-	-	-	30	0	30	30
Location specific drudgery reduction technologies	1	-	-	-	30	0	30	30
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	1	-	-	-	30	0	30	30
Integrated Disease Management	1	-	-	-	30	0	30	30
Bio-control of pests and diseases	1	-	-	-	30	0	30	30
Production of bio control agents and bio pesticides	1	-	-	-	30	0	30	30
<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.)	1	-	-	-	30	0	30	30

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)	1	-	-	-	30	0	30	30
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)	1	-	-	-	30	0	30	30
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>31</b>				<b>930</b>	<b>00</b>	<b>930</b>	<b>930</b>

C) Consolidated table (ON and 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	2	-	-	-	60	00	60	60
Resource Conservation Technologies								
Cropping Systems	1				30	0	30	30
Crop Diversification	1				30	0	30	30
Integrated Farming	1	-	-		30	0	30	30
Water management	2	-	-	-	60	00	60	60
Seed production	1				30	0	30	30
Nursery management	1				30	0	30	30
Integrated Crop Management	2	-	-	-	60	00	60	60
Fodder production								
Production of organic inputs	1	-			30	0	30	30
<b>II Horticulture</b>								
<b>a) Vegetable Crops</b>								
Production of low volume and high value crops	2				60	00	60	60
Off-season vegetables	2				60	00	60	60
Nursery raising	3				90	0	90	90
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization	1				30	0	30	30
Protective cultivation (Green Houses, Shade Net etc.)	2				60	00	60	60
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	3				90	0	90	90
Management of young plants/orchards								
Rejuvenation of old orchards	3				90	0	90	90
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								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
<b>(B) RURAL YOUTH</b>								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
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								
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>29</b>			<b>870</b>	<b>00</b>	<b>870</b>	<b>870</b>
<b>(C) Extension Personnel</b>							
Productivity enhancement in field crops							
Integrated Pest Management							
Integrated Nutrient management							
Rejuvenation of old orchards							
Protected cultivation technology							
Formation and Management of SHGs	1			30	0	30	30
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>30</b>	<b>0</b>	<b>30</b>	<b>30</b>
<b>G. Total</b>	<b>30</b>				<b>900</b>	<b>00</b>	<b>900</b>	<b>900</b>
<b>III Soil Health and Fertility Management</b>								
Soil fertility management	1	-	-	-	30	0	30	30
Soil and Water Conservation	3	-	-	-	90	0	90	90
Integrated Nutrient Management	3	-	-	-	90	0	90	90
Production and use of organic inputs	1	-	-	-	30	0	30	30
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	1				30	0	30	30
<b>IV Livestock Production and Management</b>								
Dairy Management	3				90	0	90	90
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management	3				90	0	90	90
Feed management	3				90	0	90	90
Production of quality animal products	3				90	0	90	90
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	2				60	00	60	60
Design and development of low/minimum cost diet	3				90	0	90	90
Designing and development for high nutrient efficiency diet	3				90	0	90	90
Minimization of nutrient loss in processing	1				30	0	30	30
Gender mainstreaming through SHGs	2				60	00	60	60
Storage loss minimization techniques	1				30	0	30	30
Value addition	1				30	0	30	30
Income generation activities for empowerment of rural Women	3				90	0	90	90
Location specific drudgery reduction technologies	2				60	00	60	60
Rural Crafts	2				60	00	60	60
Women and child care	1				30	0	30	30
<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	1				30	0	30	30
<b>VII Plant Protection</b>								
Integrated Pest Management	3				90	0	90	90
Integrated Disease Management	3				90	0	90	90
Bio-control of pests and diseases	3				90	0	90	90
Production of bio control agents and bio pesticides	1				30	0	30	30
Storage grain pest management	3				90	0	90	90
<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	1				30	0	30	30
Planting material production	1				30	0	30	30
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	2				60	00	60	60
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	2				60	00	60	60
Group dynamics								
Formation and Management of SHGs	3				90	0	90	90

Mobilization of social capital								
Entrepreneurial development of farmers/youths	3				90	0	90	90
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
<b>TOTAL</b>	<b>67</b>				<b>2010</b>	<b>00</b>	<b>2010</b>	<b>2010</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	1				30	0	30	30
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming	1				30	0	30	30
Planting material production								
Vermi-culture	1				30	0	30	30
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements					30	0	30	30
Nursery Management of Horticulture crops	1							
Training and pruning of orchards								
Value addition					30	0	30	30
Production of quality animal products	1				30	0	30	30
Dairying								
Sheep and goat rearing	1				30	0	30	30
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	1				30	0	30	30
Tailoring and Stitching	1				30	0	30	30
Rural Crafts								
<b>TOTAL</b>	<b>8</b>				<b>240</b>	<b>00</b>	<b>240</b>	<b>240</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs	1				30	0	30	30
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>30</b>	<b>00</b>	<b>30</b>	<b>30</b>
<b>G. TOTAL</b>	<b>106</b>				<b>3180</b>	<b>00</b>	<b>3180</b>	<b>3180</b>

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

### 3.4. 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	10	300	100	400				300	100	400
KisanMela	5	150	100	250				150	100	250
KisanGhoshi	5	150	100	250				150	100	250
Exhibition	10	1000	100	1100				1000	100	1100
Film Show	15	500	00	500				500	00	500
Farmers Seminar	2	125	00	125				125	00	125
Workshop	2	100	00	100				100	00	100
Group meetings	10	100	00	100				100	00	100
Lectures delivered as resource persons	50	1000	200	1200				1000	200	1200
Newspaper coverage	10									
Radio talks	1									
TV talks	-									
Popular articles	5									
Extension Literature	10000									
<b>Advisory Services</b>										
Scientific visit to farmers field	50	150	0	150				150	0	150
Farmers visit to KVK		150	0	150				150	0	150
Diagnostic visits	100	300	0	300				300	0	300
Exposure visits	03	50	0	50				50	0	50
Ex-trainees Sammelan	0	-	0	-				-	0	-
Soil health Camp	02	300	0	300				300	0	300
Animal Health Camp	05	400	0	400				400	0	400
Agri mobile clinic	0	-	0	-				-	0	-
Soil test campaigns	02	300	0	300				300	0	300
Farm Science Club Conveners meet	0									
Self Help Group Conveners meetings	01	0	100	100				0	100	100
Mahila Mandals Conveners meetings	01	0	100	100				0	100	100
Celebration of important days (specify)										
World food day	01	50	50	100				50	50	100

Soil health day	01	500	00	500				500	00	500
International women day	01	0	100	100				0	100	100
Kisan day	01	100	50	150				100	50	150
Technology week	01	600	400	1000				600	400	1000
KrishiMohostva	02	3000	2000	5000				3000	2000	5000
Krishi Rath	02	3000	2000	5000				3000	2000	5000
Pre Kharif workshop	01	400	50	450				400	50	450
Pre Rabi workshop	01	350	50	400				350	50	400
PPVFRA workshop										
Any Other (Specify)										
Method Demonstrations	3	250	00	250				250	00	250
Advisory services (Telephonic services)	<b>500</b>	400	100	500				400	100	500
<b>Total</b>	<b>303</b>									<b>10325</b>

### 3.5 Target for Production and supply of Technological products

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
<b>CEREALS</b>	Paddy	IR 28	45
	Paddy	Purna	15
	Paddy	GNR-2	50
<b>OILSEEDS</b>	Nizer	GN-2	02
<b>PULSES</b>	Pigeon pea	Vashali	15
	Moong	Meha	08
	Gram	GG-2	10
	Gram	PKV-2	05
	Gram	GG-3	10
<b>VEGETABLES</b>			

**PLANTING MATERIALS**

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>			
<b>SPICES</b>			
<b>VEGETABLES</b>	Tomato	GT-2	5000
	Brinjal	Dolly	5000
<b>FOREST SPECIES</b>			
<b>ORNAMENTAL CROPS</b>			
		<b>Total</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				

## 2.6. Literature to be Developed/Published

### (A) KVK News Letter

Date of start :

Number of copies to be published :

### (B) Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	2
2	Technical reports	10
3	News letters	
4	Training manual all discipline	
5	Popular article	2
6	Extension literature	10
	<b>Total</b>	<b>14</b>

### (C) Details of Electronic Media to be Produced

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

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

a. Brief introduction

b. Interventions

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

**3.8 Indicate the specific training need analysis tools/methodology followed for**

**Practicing Farmers**

- a)
- b)
- c)

**Rural Youth**

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

**In-service personnel**

- a)
- b)
- c)

**3.9 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

- i) PRA
- ii) Problem identified from Matrix
- 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

**3.10 Field activities**

- i. Name of villages identified/adopted with block name (from which year) -
- ii. No. of farm families selected per village :
- iii. No. of survey/PRA conducted :
- iv. No. of technologies taken to the adopted villages
- 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

**3.11. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab:

**1. Year of establishment :**

**2. List of equipments purchase with amount**

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1	-	-	-

**3. Targets of samples for analysis:**

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples	-	-	-	-

Water	-	-	-	-
Plant	-	-	-	-
<b>Total</b>	-	-	-	-

#### 4.0 LINKAGES

##### 4.1 Functional linkage with different organizations

Sl.No.	Name of organization	Nature of Linkage
1.	Line Departments of Government of Agriculture/ Horticulture/ Animal Husbandry/ Fishery / department	Khedut sibir, Animal health camp, Sponsored training. In-service trainings and other extension activities, technical support, Participation in meeting
2.	AKRSP (I), NGO, Dediapada	Sponsored training, Mahila sibir, technical support
3.	J. K. Trust, Rajpipla	Animal Health Camp, In-service training programme
4.	Parivartan Radio programme, Netrang	Radio talk
5.	Main Water Management Research Unit, NAU, Navsari	Collaboration-FLD on Low Cost Greenhouse
6.	Research Stations, NAU	Participation-Farmers day, Seed-FLDs, etc.
7.	FTC, Rajpipla	Experts lectures
8.	SAU Govt. of Gujarat	Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
9.	Missionary - NGO	Sponsored training programme, extension activities
10.	ANARDE Foundation	Extension activities

##### 4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/

S. No.	Programme	Nature of linkage
1	Trainings	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
2	Farm school	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
3	Kissan goshthi	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
4	Krushu mela cum exhibition	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.

##### 4.3 Give details of programmes under National Horticultural Mission

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



#### 4.4 Nature of linkage with National Fisheries Development Board

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

#### 5.0 Utilization of hostel facilities

S. No.	Programme	No. of days
1	ATMA	20
2	SPONSERED	10
3		
4		
	<b>Total</b>	

#### 6.0 Convergence with departments:

Khedut sibir, Animal health camp, Sponsored training. In-service trainings and other extension activities, technical support, Participation in meeting

#### 7.0 Feedback of the farmers about the technologies demonstrated and assessed :

S.N.	Crop	Variety	Feed Back
1	Paddy	GR-5	- Good performance in water scare condition - Good grain quality, High straw yield, Early maturity
2	Paddy	IR-28	- Good performance in water scare condition - Good grain quality - High straw yield - Early maturity
3	Paddy	Purna	-More grain yield -Suitable in rainfed farming

			-Lodging less than GR-5
4	Pigeon pea	Vaishali	Most preferred variety as it gives continuous flowering. Susceptible to pod fly Incidence of <i>Maruca testulis</i> was observed. Wilt Resistance More yield as compared to local
5	Cotton	BT-6	More number of balls and branches, Suitable in rainfed farming
6	Cotton	BT-8	-More number of balls and branches, Suitable in irrigated farming
7	Pigeon pea	GT-101	Wilt and Sterility Mosaic Resistance More yield as compared to local
8	Paddy (TP)	GNR-2 NAUR-1	More tillers and lodging problem is less, Good quality of grain Higher yield and may compete to hybrid paddy with SRI method Early maturity Having lodging problem Higher production may be suited for early maturity.
9	Soybean	JS-335	- More grain yield - Good grain quality

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

- Virus free variety of bitter gourd.
- Improved variety of water melon
- Farmers need sucking pest resistant variety for cotton
- Employment of rural youth and women empowerment
- Assessment of ITKs through on farm experiments

## Training Programme

## i) Farmers &amp; 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	Role of micronutrients in crop production	2				20	10	30	30
	PF	Production of organic inputs- composting and vermi-compost	2				20	10	30	30
	PF	Role of micronutrients in crop production	2				20	10	30	30
	PF	Water conservation technologies for rain fed farming	2				20	10	30	30
<b>Horticulture</b>										
	PF	Scientific cultivation of major vegetable crops	2				20	10	30	30
	PF	Nursery management	2				20	10	30	30
	PF	INM in vegetable crops	2				20	10	30	30
	PF	Management of mango orchards	2				20	10	30	30
<b>Livestock prod.</b>										
	PF/FW	Housing management of livestock	2				20	10	30	30
	PF	Establishment of ideal dairy unit	2				20	10	30	30
	PF/FW	Methods for preservation of feeds and fodders	2				20	10	30	30
	PF/FW	Scientific care and management of milch animals	2				20	10	30	30
<b>Agril. Engg.</b>										
	PF	Farm mechanism	2				20	10	30	30
	PF	Post harvest technique	2				20	10	30	30
	PF	Drip irrigation	2				20	10	30	30
<b>Home Sc.</b>										
	PF	Health and care of mother and baby	2				20	10	30	30
	PF	Minimization of nutrient loss in cooking	2				20	10	30	30
	PF	Sewing and tailoring	2				20	10	30	30
	PF	Entrepreneurship development of rural women	2				20	10	30	30
<b>Plan prot.</b>										
	PF	Insect-Pest Management in major kharif crops	2				20	10	30	30

	PF	Insect-Pest Management in major rabi crops	2				20	10	30	30
	PF	Importance of seed treatments in field crops	2				20	10	30	30
	PF	Insect pests management in summer crops	2				20	10	30	30
<b>Soil Health</b>										
	PF	Soil and water management	2				20	10	30	30

**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	Role of micronutrients in crop production	2				20	10	30	30
	PF	Production of organic inputs- composting and vermi-compost	2				20	10	30	30
	PF	Role of micronutrients in crop production	2				20	10	30	30
	PF	Production of organic inputs- composting and vermi-compost	2				20	10	30	30
	PF	Role of micronutrients in crop production	2				20	10	30	30
	PF	Production of organic inputs- composting and vermi-compost	2				20	10	30	30
<b>Horticulture</b>										
	PF	Scientific cultivation of major vegetable crops	2				20	10	30	30
	PF	Nursery management	2				20	10	30	30
	PF	INM in vegetable crops	2				20	10	30	30
	PF	Low cost green house	2				20	10	30	30
	PF	Kitchen garden	2				20	10	30	30
	PF	Scientific cultivation of Mango	2				20	10	30	30
	PF	Scientific cultivation of guava	2				20	10	30	30
	PF									
<b>Live Stock Production.</b>										
	PF	Balanced ration for livestock	2				20	10	30	30
	PF	Care and management of new born animals	2				20	10	30	30
	PF	Vaccination schedule and its importance	2				20	10	30	30
	PF	First aid treatment / home remedies for livestock	2				20	10	30	30
	PF	Care and management of pregnant animals	2				20	10	30	30

<b>Agril. Engg.</b>										
	PF	Farm mechanism	2				20	10	30	30
	PF	Post harvest technique	2				20	10	30	30
	PF	Entrepreneurship development of rural women	2				20	10	30	30
<b>Home Sc.</b>										
	PF	Formation of SHGs	2				20	10	30	30
	PF	Nutritional security through kitchen gardening	2				20	10	30	30
	PF	Formation of SHGS	2				20	10	30	30
	PF	Nutritional security through Kitchen Gardening	2				20	10	30	30
	PF	Importance of storage of Grains	2				20	10	30	30
	PF	Benefits of Vegetables in daily diet.								
	PF	Minimization of nutrient loss in cooking								
<b>Plant Protection</b>										
	PF	Bio control of crop pests -Conservation of natural enemies	2				20	10	30	30
	PF	Integrated insect pests and disease management in cotton	2				20	10	30	30
	PF	Plant protection equipments and spraying technologies	2				20	10	30	30
	PF	Integrated pest management in cotton	2				20	10	30	30
<b>Soil health</b>										
	PF	Soil and water management	2				20	10	30	30
	PF	Soil sampling & its method	2				20	10	30	30

### ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	
Sewing Class	Income generation	Income generation by imparting skill training.	April	60				20	10	30	30
Value addition	Income generation	Income generation by imparting skill training.	April	05				20	10	30	30

### iii) Training programme for extension functionaries

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>On Campus</b>										
April	Fw	Nutrition management of malnourished children to anganwadi Workers	02				20	10	30	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>											
-	-	-	-	-	-	-	-	-	-	-	-
			<b>Total</b>								
<b>b) Sponsored research programme</b>											
-	-	-	-	-	-	-	-	-	-	-	-
			<b>Total</b>								
<b>c) Any special programmes</b>											
-	-	-	-	-	-	-	-	-	-	-	-
			<b>Total</b>								