

**ICAR-ATARI, Pune**  
**ANNUAL ACTION PLAN OF KVKs DURING 2024**  
**(1<sup>st</sup> January to 31<sup>st</sup> December, 2024)**

**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
	Office	FAX		
Krishi Vigyan Kendra, Navsari Agricultural University, Ahwa road, Waghai, Ta.: Waghai, District: Dangs, Gujarat, PIN 394730	02631-296645	--	<a href="mailto:kvkwaghai@nau.in">kvkwaghai@nau.in</a>	<a href="http://dangs.kvk6.in">http://dangs.kvk6.in</a>

**1.2. Name and address of host organization with phone, fax and e-mail (Not of KVK)**

Address with PIN code	Telephone		E mail	Website address
	Office	FAX		
Navsari Agricultural University, Eru Char Rasta, Dandi Road, Navsari, Gujarat-396450	02637-282823 02637-282026	--	<a href="mailto:dee@nau.in">dee@nau.in</a>	<a href="http://www.nau.in">www.nau.in</a>

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

Name	Telephone / Contact		
	Office	Mobile	Email
I/c. Dr. J. B. Dobariya	02631-296645	9724761097	<a href="mailto:kvkwaghai@nau.in">kvkwaghai@nau.in</a>

**1.4. Year of sanction& type of host organization: ICAR (ICAR/SAU/NGO/Others) 1984**

**1.5. Staff Position (as on 31<sup>st</sup>December, 2023)**

Sr. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs. /month)
				Current Pay Band	Current Grade Pay		
1.	Senior Scientist and Head	Vacant	--	--	--	--	--
2.	Scientist	Dr. J. B. Dobariya	Extension Education	57700-182400	--	20-08-2015	--
3.	Scientist	Dr. P. P. Javiya	Crop Production	57700-182400	--	27-08-2019	--
4.	Scientist	Mr. H. A. Prajapati	Horticulture	57700-182400	--	13-02-2017	--
5.	Scientist	Dr. S. A. Patel	Vet. Public Health	57700-182400	--	27-08-2019	--
6.	Scientist	Mr. B. M. Vahunia	Crop Protection	57700-182400	--	28-08-2019	--
7.	Scientist	Vacant	Home Science	--	--	--	--
8.	Programme Assistant	Mr. K. V. Patel	--	39900-126600	--	24-09-2015	--
9.	Computer Programmer	Vacant	--	-	--	-	--
10.	Farm Manager	Mr. R. S. Patel	--	39900-126600	--	08-03-2019	--
11.	Accountant/Superintendent	Mr. J. R. Padhiyar	-	39900-126600	-	01-04-2022	--
12.	Stenographer	Vacant	-	5200-20200	-	--	--
13.	Driver 1	Vacant	-	5200-20200	-	--	--
14.	Driver 2	Vacant	-	5200-20200	-	--	--
15.	Supporting staff 1	Vacant	-	4440-7440	-	--	--
16.	Supporting staff 2	Mr. D. N. Parmar	-	14800-47100	-	01.08.2011	--

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

S. No.	Item	Area (ha)
1	Under Buildings	0.50
2.	Under Demonstration Units	--
3.	Under Crops	2.60
4.	Horticulture	0.83
5.	Pond	--
6.	Others if any	1.0
	<b>Total</b>	<b>4.93</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	1990	200.73	0.93	--	--	-
2.	Farmers Hostel	ICAR	2005	278.00	12.00	--	--	-
3.	Staff Quarters (6)	--	--	--	--	--	--	-
	B-Type(2)	ICAR	1994	197.04	343696	--	--	-
	C-Type(1)	ICAR						-
	A-Type(1)	ICAR						-
	E-Type(1)	ICAR						-
	Total							-
4.	RCC approach road		2005	82.00	2.21	--	--	-
5.	RCC Sump		2005	40000 lit cap	0.76	--	--	-
6.	Demonstration Units	----	--	--	--	--	--	-
7.	Fencing	----	--	--	--	--	--	-
8.	Rain Water harvesting system	----	--	--	--	--	--	-
9.	Threshing floor	ICAR	2012	84	2.00	--	--	-
10.	Farm godown	ICAR	2011	12	3.00	--	--	-
11.	ICT lab	--	--	--	--	--	--	-
12.	Other	--	--	--	--	--	--	-

### B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Motorcycle Hero Honda Splendor	2011	50755	39501 (31-12-2023)	Working
Mahindra Bolero	2019	686240	86642 (31-12-2023)	Working

### C. Equipments & AV aids

Name of the equipment/ Implements	Year of purchase	Cost (Rs.)	Present status
Camera (Sony-Digital )	05.01.2001	27100/-	Not Working
Digital camera	03.01.2009	19038/-	Not Working
Generator set (Honda)	26.03.2010	49600/-	Working
EPBAX system	24.02.2011	49868/-	Working
Plough (Heavy duty)	18.02.2011	19000/-	Working
Rotavator	14.03.2011	63400/-	Working
Vivitek Multimedia DLP projector	14.03.2011	99990/-	Working
Winnowing fan	27.02.2011	6900/-	Working
Power sprayer	04.02.2011	24150/-	Working
Power tiller	24.03.2011	148785/-	Working

Cultivator	03.03.2011	20700/-	Working
Two-way-leveler	03.03.2011	12600/-	Working
Thresher	17.02.2011	18000/-	Working
Seed cum fertilizer drill	17.02.2011	36100/-	Working
Scale (Weighing)	18.02.2011	6000/-	Working
PROTON Impact	28.03.2011	35600/-	Working
Trailer (For Power tiller)	28.03.2011	26500/-	Working
Submersible pump ISIV-6	07.03.2014	18,750/-	Working
Digital mini lab	23.11.2015	75000/-	Working
Tractor	04.12.2015	581228/-	Working
Paddy winnowing fane	29-02-2016	42200/-	Working
Rotary power tiller	18-03-2016	98500/-	Working
Desk top computer (Lenova)	21-03-2016	38775/-	Working
HP printer	28-03-2016	10999/-	Working
Tractor Trailer	29-03-2016	117000/-	Working
M.B.Plough	20-02-2017	30500/-	Working
Roklith cooler	23-02-2017	79000/-	Working
Lenovo computer (All in one)	07-03-2017	46199/-	Working
Laser printer	07-03-2017	25800/-	Working
Voltas AC	08-03-2017	72000/-	Working
Photocopier machine	10-03-2017	150000/-	Working
Mridaparishak soil testing kit	15-03-2017	90300/-	Working
Multicrop thresher	16-03-2017	210000/-	Working
Kiosk thin client based free standing type model	23-03-2017	90250/-	Working
Stabilizer	27-09-2017	8260/-	Working
V-ditcher, Ridzer, Burd former	19-02-2018	60000/-	Working
Lawn mover	17-03-2018	31500/-	Working
Paddy threshing table (2 peace)	29-09-2018	14000/-	Working
H P Laptop	11-03-2019	44715/-	Working
H P Printer	15-03-2019	14450/-	Working
Reaper	27-03-2019	97211/-	Working
Brush Cutter	27-03-2019	17813/-	Working
Submersible pump 7.5 HP	27-03-2019	29488/-	Working
Projector	27-03-2019	48500/-	Working
U P S inventor	29-03-2019	48000/-	Working
Disc harrow	27-03-2019	101115/-	Working
Air conditional	26-03-2019	116670/-	Working
Mini tractor (VST-Mitsubishi-Shakti)	28-03-2019	335699/-	Working
All in one printer (HP -1005 Laser jet pro MFP)	28-03-2019	17480/-	Working
All in one printer (HP - Laser jet pro MFP)	28-03-2019	28700/-	Working
All in one Computer (No. 4)	28-03-2019	227534/-	Working
Revolving Chair (No. 2)	29-03-2019	9000/-	Working
Bolero (7 Seater)	11-07-2019	4,63,612/-	Working
Canon Camera	28-09-2022	67,500/-	Working

Canon camera lens	28-09-2022	22,475/-	Working
Portable sound system	28-09-2022	24,990/-	Working
Mini tractor VST Shakti 135DI (BHP 13)	17-03-2023	1,95,624/-	Working
Weight scale	23-03-2023	15,000/-	Working
Gravity seed grader	24-03-2023	11,000/-	Working
Jasoda Paddy Thresher	24-03-2023	2,50,000/-	Working

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

Sl.No.	Particulars	Proposed date of meeting
1	Scientific Advisory Committee – Meeting 1	Jan/Feb 2024

## 2. DETAILS OF JURISDICTION AREA UNDER KVK (No. of talukas)

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

S. No	Farming system/enterprise	Names of talukas covered
1	Agriculture farming systems	Ahwa, Subir and Waghai
2	Agri - Horti farming systems	Ahwa, Subir and Waghai
3	Agri – Horti -Dairy farming systems	Ahwa, Subir and Waghai
4	Agri - Forest farming systems	Ahwa, Subir and Waghai

### 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 Gujarat Heavy Rainfall Zone–I Agro Ecological Situation-I	Dangs district comes under South Gujarat Heavy Rainfall Zone–I Agro Ecological Situation-I having total 172366 ha land. Out of that, 53.74% is occupied with forest and only 33.80% of land comes under cultivation and cultivable fallow. The district is remote forest area and characterized mainly by tribal. The cropping pattern of the district is single rainfed crops. The major crops in <i>kharif</i> are Paddy, Finger millet, Little millet, Sorghum, Black gram <i>etc.</i> Some more information regarding the district is given below.

#### b. Topography

S. No.	Agro ecological situation	Characteristics
1	Location	73'.29' to 73'.51' longitude and 20'.39' to 21'.50' latitude. An elevation 105 to 1317 mtrs. MSL
2	Agro climatic zone	South Gujarat Heavy Rainfall Zone–I, Agro Ecological Situation-I
3	Soil	Laterite, hilly, undulating with slopes of 20 to 40 percent, shallow to medium in depth
4	Rainfall	1800-2000 mm with average rainy days of 85-95
5	Irrigation	18 percent
6	Rivers	Ambica, Khapri, Purna, Gira

### 2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Lateritic, hilly, undulating with the slopes of 20 to 40 per cent, light to medium texture soil and others	Shallow to medium in depth, low to moderately fertile, medium to high in slope, normal to slightly acidic pH, moderate temperature because of thick forest cover, area under irrigation (10500 ha)	56,300

### 2.4. Area, Production and Productivity of major crops cultivated in the district (Ref. Year 2023)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Paddy	28370	78017	27.50
2	Nagli	8287	53865	6.50
3	Pigeon Pea	3472	2777	8.00
4	Black Gram	9123	68422	7.50
5	Vegetables	4812	6977	14.50
6	Fodder	90	140	15.60
	<b>Kharif Total</b>	<b>54154</b>	-	-
7	Wheat	35	647	18.50
8	Gram	15780	11835	7.50
9	Sugarcane	549	37332	680.00
10	Sorghum	62	34	5.50
11	Maize	408	265	6.50
	<b>Rabi-Total</b>	<b>16834</b>	-	-

Authentic Source (State / Central Govt): .....

### 2.5. Weather data (2023)

Month	Normal RF (mm)	Normal Rainy days (number)	Temperature °C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	0.0	0	30.0	11.5	95	52
February	0.0	0	35.5	12.6	66	23
March	14.5	2	35.4	17.6	68	32
April	0.0	0	38.0	20.6	57	27
May	10.5	1	38.3	25.0	69	39
June	282.5	7	35.6	27.1	77	59
July	842.5	28	29.3	25.3	97	92
August	168.5	18	30.0	25.0	96	81
September	486.0	17	31.2	24.4	96	87
October	9.5	1	34.8	20.9	96	77
November	34.5	2	33.7	18.1	98	65
December	0.0	0	32.0	17.1	99	61
<b>Total</b>	<b>1848.5</b>	<b>76</b>				

### 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (Ref. Year 2023)

Category	Population (No.)	Production (Per unit)	Productivity (Per unit)
<b>Cattle</b>			
<i>Crossbred</i>	15482	-	2000-2200 lit/cow
<i>Indigenous</i>	58900	-	800 lit/cow
<b>Buffalo</b>	22125	-	1200 lit/buffalo
<b>Sheep</b>	-	-	-

<b>Goats</b>	45658	-	300 lit
<b>Pigs</b>	-	-	-
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	-	-	-
<b>Rabbits</b>	109	-	-
Hens	32350	-	185 egg/year
<i>Desi</i>	166970	-	58 egg/year
<b>Category</b>		<b>Production (Q.)</b>	<b>Productivity (Per Unit)</b>
Fish (Reservoir)	--	--	--
Fish (Farm ponds)	--	--	--

## 2.7. Details of Operational area / Villages

Name of Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Ahawa	Sonuniya Bhurapani Bhapkhal	<b>Cereals:</b> Paddy, Finger millet, little millet  <b>Pulses:</b> Gram, Black gram, Pigeon pea, Green gram & Sweet pea	-Use of traditional varieties  - Poor quality of seed	-Promoting Animal husbandry/ horticultural crops  - Use of recommended varieties
Subir	Chikhali Pipaladevi Chichpada	<b>Oilseeds:</b> Groundnut, Niger  <b>Vegetables:</b> Okra, Bittergourd, Chilli  <b>Fruit Crops:</b> Mango, Custard apple	-Improper use of fertilizers  - Lack of awareness about plant protection measures  -Scarcity of fodder	- Promotion of scientific package of practices  - Create awareness about plant protection measures  - Scientific feeding management
Waghai	Baj Barkhandhya Dagadpada Shivarimal	<b>Floriculture:</b> Marigold  <b>Others:</b> Tuber crops & Sunhemp  <b>Animal Husbandry</b>	- Repeat breeding and Anoestrus  Less interest in dairy business	- Artificial Insemination  - Awareness about dairy enterprise

## 2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Rice	Integrated Nutrient Management
	Introduction of new variety
	Water management
	Integrated Pest and Disease Management
Finger millet/Little millet	Introduction of new variety
	Soil moisture conservation
	Integrated Nutrient Management
Pulses	Soil moisture conservation
	Integrated Pest and Disease Management
Oilseeds (Groundnut)	Soil moisture conservation
	Integrated Pest and Disease Management
Okra	Integrated Nutrient Management
	Integrated Pest and Disease Management
	Marketing
Watermelon	Integrated Nutrient Management

	Integrated Pest and Disease Management
Mango	Integrated Pest and Disease Management
	Integrated Nutrient Management

**The Major thrust areas are as under:**

- Increase productivity of the major field crops, fruits and vegetables by introduction of new technologies
- Increasing milk production by dissemination of latest technology
- Management of Natural Resources (Soil and water conservation)
- Empowerment of tribal women for sustaining livelihood
- Popularization of suitable farming system
- Value addition in farm produce
- Protected cultivation and high-tech agriculture
- Integrated farming system
- Farm mechanization
- Introduction of new crops like sunflower, bajra, strawberry, tuber crops, pineapple, *etc.*

**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
8	94	60	400

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
58	1560	304	11680

Seed Production (Qtl.)	Planting material (Nos.)	Livestock, poultry strains and Fish seed prod. (No's)	Soil, water and plant Samples
(5)	(6)	(7)	(8)
97.26	2000	-	-

**3.1. B. Operational areas details proposed during 2024**

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	Intervention (OFT, FLD, Training, extension activity <i>etc.</i> )*
			Crop	Area (ha)		
1.	Cereals: Paddy, Finger millet, Little millet Pulses: Gram, Black gram, Pigeon pea Oilseeds: Groundnut, Niger	-Use of traditional varieties - Poor quality of seed -Lack of awareness related with organic crop package & practices - Lack of	Paddy	135	Sonuniya	On campus training, Off campus training, Sponsored training, Vocational training, In-service training, Lecture delivered, Field visit, FLD visit, OFT visit, Scientist visit to farmer field, Farmer visit to KVK, Diagnostic visit, Exposure visit, Kisan Gosthi, Animal camps, Field day, Farmer fair, Farmer scientist interaction, Farmers meeting, TV-Film show, Exhibition, Farm School, Soil
2.			Finger millet	78	Bhurapani	
3.			Little millet	69	Bhaphkal	
4.			Sorghum	15	Chikhali	
5.			Maize	10	Pipalaidevi	
6.			Black Gram	15	Chichpada	
7.			Pigeon Pea	20	Baj	



8.	<b>Vegetables:</b> Okra, Brinjal	awareness about plant protection measures	Soybean	15	Barkhandhya	health campaign, Celebration of importance day,
9.			<b>Fruit crops:</b> Mango, Cashew nut, Custard apple	-Scarcity of fodder		
10.	<b>Floriculture:</b> Rose	- Repeat Breeding & Anoestrus			<b>Kharif Total</b>	362
11.			Gram	38		
12.		Wheat	10			
13.		Okra	12			
14.		Brinjal	10			
15.		Mango	20			

\*Support with problem-cause and interventions diagram

### 3.2. Technologies to be assessed

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	1		1		2					4
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management					2					2
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>	<b>1</b>		<b>1</b>		<b>4</b>					<b>6</b>

A.2. 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	2							2

Disease of Management												
Value Addition												
Production and Management												
Feed and Fodder												
Small Scale income generating enterprises												
<b>TOTAL</b>			<b>2</b>									<b>2</b>

### B. Details of On Farm Trials/ Technology Assessment proposed during 2024

S. No.	Crop/enterprise	Prioritized problem	Title of intervention	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the intention (Rs.)	Technology Assessed	Team members	Remarks
1	Finger millet	Low yield of Local variety	Varietal assessment of finger millet	Assessment	HMRS, Waghai Dangs	Seed, Biofertilizers & Novel	200 g & 1 liter each	500/-	10	5000/-	T1 : Farmers Practices (Local varieties) T2 : GNN 8 (2018) T3 : CFMV 2 (Gira) (2021)	05	Ongoing
2	Chickpea	Low yield of Local variety	Varietal assessment of chickpea	Assessment	Pulses Research station JAU, Junagadh	Seed, Biofertilizers & Novel	12 kg, 1 liter each	1500/-	10	15000/-	T1: Farmer variety (Local Varieties) T2: GJG 6 (2016)	05	Ongoing
3	Indian bean	Low yield of Farmers variety (due to lack of knowledge about proper scientific cultivation method and lack of knowledge about new released variety of State Agricultural Universities and Government Institutions.)	Varietal assessment of Indian bean in the Dangs district	Assessment	Navsari Agricultural University, Navsari (2016-17)	Seeds, Novel organic liquid fertilizer, PSB, <i>Rhizobium</i> and KMB (Novel & other Bio-fertilizer given for adoption of organic farming)	06 (0.1 ha per treatment and 0.3 ha per farmer)	1500/-	06	12000/-	T <sub>1</sub> : Farmers practices (Katargam) T <sub>2</sub> : GNIB 21 (2014) T <sub>3</sub> : GNIB 22 (2017)	05	Ongoing

4	Brinjal	Low yield of Farmers variety	Varietal assessment of Brinjal in the Dangs district	Assessment	Navsari Agricultural University, Navsari (2020) Anand Agricultural University, Anand (2013)	Seedlings, Novel organic liquid fertilizer, Azotobacter, PSB and KMB	06 (0.01 ha per treatment and 0.03 ha per farmer)	1500/-	06	7000/-	T <sub>1</sub> : Farmers practices (Palanpuri) T <sub>2</sub> : GAOB 1 (2013) T <sub>3</sub> : GNRB 1(2020)	05	New
5	Okra	Low yield of Okra & High mortality due to Pest damage	Assessment of management of Fruit & Shoot borer in Okra	Assessment	NAU, Navsari (2011-12)	Bio fungicide	1 litre	4000/-	06	4000/-	T <sub>1</sub> : Farmers practice T <sub>2</sub> : Installation of Pheromone trap T <sub>3</sub> : Spray Azadirachtin (Neem oil based) 300ppm/1500 ppm	05	Ongoing
6	Brinjal	Low yield of Brinjal & High mortality	Assessment of pheromone trap for the management of fruit & shoot borer in Brinjal	Assessment	AAU, Anand & TNAU, TN	pheromone traps	06 (0.2 ha per treatment & 0.6 ha per farmer)	4000/-	06	4000/-	T <sub>1</sub> : Farmers Practices T <sub>2</sub> : Installation of pheromone traps @ 40 traps/ha (AAU, Anand) T <sub>3</sub> : remove the infected shoot and fruit + Installed pheromone traps @ 12/ha (TNAU, TN)	06	Ongoing
7	Cross bred cattle	Low milk production due to mineral imbalance & parasitic infestation	Use of Chelated minerals in the diet of crossbred HF cows	Assessment	NDRI, Karnal	Chelated Mineral mixture	5 kg	600/-	30	18000/- 3000/-	T <sub>1</sub> - Farmer's practice – feeding of locally available feeds and fodders T <sub>2</sub> - T <sub>1</sub> + Chelated minerals @ 30 gm/cow/day for 120 days T <sub>3</sub> - T <sub>1</sub> + Chelated minerals @ 30 gm/cow/day for 120 days + Bol. Fenbendazol @ 5-7.5 / kg body weight	05	Ongoing
8	Cross bred cattle	Low milk production	Effect of Fresh Azolla as a Feed Supplement on Milk Yield and Fat Percentage in Dairy Cattle	Assessment	Bhutia et al. (2020)	Fresh Azolla	1.5 Kg	3000/-	20	60000/-	T <sub>1</sub> = Farmer's practice – feeding of locally available feeds and fodders T <sub>2</sub> = T <sub>1</sub> + 1.5kg fresh Azolla/day/cattle as nutrient supplement for 90 days	05	New

### 3.3. Frontline Demonstrations

**A. Details of FLDs to be organized** (Oilseeds, pulses, cereals, cotton, commercial crops, horticulture crops, vegetables, spices and condiments, fodder crops, etc)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of farmers/demon.	Parameters identified
1	Pigeon pea	GT 105	ICM	New variety	Seeds, Novel, Bio fertilizer Rs. 17500	Kharif, 2024	5	25	Yield
2	Paddy	GR 18 (Devlikolam)	ICM	New variety	Seeds, Novel, Bio fertilizer Rs. 17500	Kharif, 2024	5	25	Yield
3	Finger millet	CFMV 2 (Gira)	ICM	New variety	Seeds, Novel, Bio fertilizer Rs. 12500	Kharif, 2024	5	25	Yield
4	Little millet	GNV 4	ICM	New variety	Seeds, Novel, Bio fertilizer Rs. 12500	Kharif, 2024	5	25	Yield
5	Gram	GJG 3	ICM	New variety	Seeds, Novel, Bio fertilizer Rs. 33750	Rabi, 2024-25	5	25	Yield
6	Okra	Novel & Biofertilizers	INM	Novel & Bio fertilizer	Inpus, Rs. 11000 (2 lit. Novel & 1 lit. Azo.,PSB and KMB)	Rabi, 2024	2.5	25	Yield
7	Mango	Kesar	ICM	Graft	Graft, NOLF & Bio-fertilizer Rs. 110000	kharif 2024	10	100	Survival rate
8	Indian bean	GNIB 22	ICM	Seed, Novel & Bio fertilizer	Seeds, Novel, Bio fertilizer Rs. 37500	Rabi 2024	2.5	25	Yield
9	Paddy	Beauveria bassiana	IPM	IPM	beauveria bassiana, Rs.6000	Kharif, 2024	5.0	25	Yield
10	Finger millet	Pseudomonas	IDM	IDM	Pseudomonas Rs. 5000	Kharif, 2024	5.0	25	Yield
11	Mango	Fruit Fly trap	IPM	IPM	Fruit Fly trap Rs. 4500	Summer 2024	5.0	25	Yield
12	Bittergourd	Cue lure Trap	IPM	IPM	Fruit fly trap, Rs. 5500	Rabi 2024	5.0	25	Yield
13	Mushroom	Mushroom Kit	-	IPM	Mushroom kit Rs. 20,000	Kharif, 2024	25 Unit	25	Yield
<b>Total</b>							<b>60 ha &amp; 25 Unit</b>	<b>400</b>	

### B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	05	-	85
2	Farmers Training	-	-	-
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
--	--	--	--	--	--	--

**b. Livestock and Fisheries Enterprises**

Enterprise	Breed/Variety	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators
Sorghum	GFS 5/CSV 21 F/GFS6/GFS7	20	2.5 ha	Seed Rs. 20000	Yield (Q/ha)
Livestock	Mineral mixture	30	30 Units	Mineral mixture Rs. 20000	Milk production (Lit)
Backyard poultry	RIR	20	20 unit	Birds 25000/-	Egg production
	<b>Total</b>	<b>70</b>	<b>5.0 ha &amp; 50 Unit</b>		

**c. Other Enterprises (Mushroom, Apiculture, Sericulture, Vermicompst, Value Addition, Women empowerment, etc)**

Enterprise	Technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators
--	--	--	--	--	--

**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	1				10	15	25	25
Resource Conservation Technologies								
Cropping Systems								
<b>Crop Diversification</b>								
Integrated Farming								
Water management	1				10	15	25	25
Seed production								

Nursery management							
Integrated Crop Management	1		10	15	25	25	
Fodder production							
Production of organic inputs							
Any other (Pl. Specify) NF	1		10	15	25	25	
<b>II Horticulture</b>							
<b>a) Vegetable Crops</b>							
Production of low volume and high value crops	1		15	10	25	25	
Off-season vegetables	1		15	10	25	25	
Nursery raising							
Exotic vegetables like Broccoli							
Export potential vegetables	2		30	30	60	60	
Grading and standardization							
Protective cultivation (Green Houses, Shade Net etc.)							
<b>b) Fruits</b>							
Training and Pruning							
Layout and Management of Orchards							
Cultivation of Fruit	1		15	10	25	25	
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							
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	1		10	15	25	25	
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	1		15	10	25	25	
Poultry Management							
Piggery Management							
Rabbit Management/goat							
Disease Management	1		15	10	25	25	
Feed management	1		15	10	25	25	
Production of quality animal products							
Any other (Pl. Specify) NF	1		15	10	25	25	
<b>V Home Science/Women empowerment</b>							
Household food security by kitchen gardening and nutrition gardening							
Design and development of low/minimum cost diet							
Designing and development for high nutrient efficiency diet							
Minimization of nutrient loss in processing							
Gender mainstreaming through SHGs							
Storage loss minimization techniques							
Value addition							

Income generation activities for empowerment of rural Women							
Location specific drudgery reduction technologies							
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			13	12	25	25
Integrated Disease Management	3			39	36	25	25
Bio-control of pests and diseases	1			13	12	25	25
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	1			15	10	25	25
Group dynamics (Natural farming)	1			15	10	25	25
Formation and Management of SHGs	1			15	10	25	25
Mobilization of social capital	1			15	10	25	25
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) Natural farming (Crop Production) (Horticulture)</b>							
<b>TOTAL</b>	<b>23</b>			<b>310</b>	<b>275</b>	<b>535</b>	<b>535</b>
<b>(B) RURAL YOUTH</b>							
Mushroom Production	1			10	15	25	25
Bee-keeping							
Integrated farming	1			15	10	25	25
Seed production							
Production of organic inputs	2			25	25	50	50
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								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1				15	10	25	25
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	1				15	10	25	25
<b>TOTAL</b>	<b>6</b>				<b>80</b>	<b>70</b>	<b>150</b>	<b>150</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management	1				15	10	25	25
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	1				15	10	25	25
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) NF	3				45	30	75	75
<b>TOTAL</b>	<b>5</b>				<b>75</b>	<b>50</b>	<b>125</b>	<b>125</b>
<b>G. Total</b>	<b>34</b>				<b>465</b>	<b>395</b>	<b>810</b>	<b>810</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								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management	2				30	30	60	60
Fodder production								



Production of organic inputs	1		15	15	30	30
Any other (Pl. Specify) NF	2		30	30	60	60
<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						
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						
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	2		30	30	60	60
Soil and Water Conservation	3		45	45	90	90
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	2		30	30	60	60
Poultry Management						
Piggery Management						
Rabbit Management/goat						
Disease Management						
Feed management	2		30	30	60	60
Production of quality animal products						
Any other (Pl. Specify)						
<b>V Home Science/Women empowerment</b>						
Household food security by kitchen gardening and nutrition gardening						
Design and development of low/minimum cost diet						
Designing and development for high nutrient efficiency diet						
Minimization of nutrient loss in processing						
Gender mainstreaming through SHGs						
Storage loss minimization techniques						
Value addition						
Income generation activities for empowerment of rural Women						
Location specific drudgery reduction						

technologies							
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	4			60	60	120	120
Integrated Disease Management	2			30	30	60	60
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	1			15	10	25	25
Group dynamics	1			15	10	25	25
Formation and Management of SHGs	1			15	10	25	25
Mobilization of social capital	1			15	10	25	25
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> Natural farming, Farm mechanization (Crop Production) (Agro-Meteorology)							
<b>TOTAL</b>	<b>24</b>			<b>360</b>	<b>340</b>	<b>700</b>	<b>700</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	1				10	15	25	25
Resource Conservation Technologies								
Cropping Systems								

Crop Diversification							
Integrated Farming							
Water management	1			10	15	25	25
Seed production							
Nursery management							
Integrated Crop Management	3			40	45	85	85
Fodder production							
Production of organic inputs	1			15	15	30	30
Any other (Pl. Specify) NF	3			40	45	85	85
<b>II Horticulture</b>							
<b>a) Vegetable Crops</b>							
Production of low volume and high value crops	1			15	10	25	25
Off-season vegetables	1			15	10	25	25
Nursery raising							
Exotic vegetables like Broccoli							
Export potential vegetables	2			30	30	60	60
Grading and standardization							
Protective cultivation (Green Houses, Shade Net etc.)							
<b>b) Fruits</b>							
Training and Pruning							
Layout and Management of Orchards							
Cultivation of Fruit	1			15	10	25	25
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							
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	2			30	30	60	60
Soil and Water Conservation	3			45	45	90	90
Integrated Nutrient Management	1			10	15	25	25
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	3			45	40	85	85
Poultry Management							
Piggery Management							
Rabbit Management/goat							
Disease Management	1			15	10	25	25
Feed management	3			45	40	85	85
Production of quality animal products							
Any other (Pl. Specify) NF	1			15	10	25	25
<b>V Home Science/Women empowerment</b>							
Household food security by kitchen gardening and nutrition gardening							
Design and development of low/minimum cost diet							
Designing and development for high nutrient efficiency diet							

Minimization of nutrient loss in processing							
Gender mainstreaming through SHGs							
Storage loss minimization techniques							
Value addition							
Income generation activities for empowerment of rural Women							
Location specific drudgery reduction technologies							
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	5			73	72	145	145
Integrated Disease Management	5			69	66	135	135
Bio-control of pests and diseases	1			13	12	25	25
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	2			30	20	50	50
Group dynamics (Natural farming)	2			30	20	50	50
Formation and Management of SHGs	2			30	20	50	50
Mobilization of social capital	2			30	20	50	50
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) Natural farming (Crop Production) (Horticulture)</b>							
<b>TOTAL</b>	<b>47</b>			<b>670</b>	<b>615</b>	<b>1285</b>	<b>1285</b>
<b>(B) RURAL YOUTH</b>							
Mushroom Production	1			10	15	25	25
Bee-keeping							
Integrated farming	1			15	10	25	25
Seed production							

Production of organic inputs	2				25	25	50	50
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								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production	1				15	10	25	25
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	1				15	10	25	25
<b>TOTAL</b>	<b>6</b>				<b>80</b>	<b>70</b>	<b>150</b>	<b>150</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management	1				15	10	25	25
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	1				15	10	25	25
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) NF	3				45	30	75	75
<b>TOTAL</b>	<b>5</b>				<b>75</b>	<b>50</b>	<b>125</b>	<b>125</b>
<b>G. Total</b>	<b>58</b>				<b>825</b>	<b>735</b>	<b>1560</b>	<b>1560</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	5	60	50	110	5	1	6	65	51	116
Kisan Mela	1	500	400	900	15	2	17	515	402	917
Kisan Goshthi	6	100	80	180	4	1	5	104	81	185
Exhibition	3	500	300	800	5	3	8	505	303	808

Film Show	10	150	110	260	5	4	9	155	114	269
Farmers Seminars	1	50	40	90	2	1	3	52	41	93
Workshop	2	50	50	100	2	2	4	52	52	104
Group meetings	7	90	50	140	4	2	6	94	52	146
Lectures delivered as resource persons	30	1950	1300	3250	15	5	20	1965	1305	3270
Newspaper coverage	20	As per need								
Radio talks	As per need									
TV talks	As per need									
Popular articles	5	0	0	0	0	0	0	0	0	0
Extension literature	7	0	0	0	0	0	0	0	0	0
Advisory services	150	1050	800	1850	0	0	0	1050	800	1850
Scientific visit to farmers field	15	250	200	450	10	2	12	260	202	462
Farmers visit to KVK	12	1000	500	1500	25	25	50	1000	500	1500
Diagnostic visits	10	40	20	60	0	0	0	40	20	60
Exposure visits	7	100	150	250	4	1	5	104	151	255
Ex-trainees Sammelan	As per need									
Animal health Camp	1	10	5	15	1	0	1	10	5	15
Agri mobile clinic	As per need									
Soil test campaigns	1	10	10	20	1	0	1	10	10	20
Farm Science Club Conveners meet	As per need									
Self Help Group Conveners meetings	As per need									
Mahila Mandals Conveners meetings	As per need									
Celebration of special days (specify)	10	500	400	900	10	4	14	510	404	914
Krishi Mohotsav	1	350	250	600	12	2	14	362	252	614
Pre Kharif Kisan Mela	As per need									
Pre Rabi Kisan Mela	As per need									
Any Other (Specify)	As per need									
<b>Total</b>	<b>304</b>	<b>6800</b>	<b>4755</b>	<b>11555</b>	<b>121</b>	<b>55</b>	<b>176</b>	<b>6895</b>	<b>4785</b>	<b>11680</b>

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

#### SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (quintal/acre)
<b>CEREALS</b>	Paddy ( <i>kharif</i> )	GR 18	18.14/0.5
		GNR 7	27.21/0.6
		GR 17	22/0.5
		GNR 8	6.35/0.2
<b>OILSEEDS</b>	--	--	

<b>PULSES</b>	Pigeon pea	GT 105	3.62/0.4
	Gram	GJG 6	13.60/1.6
	Green Gram	GM 6	4.53/0.6
	Black gram	GU 3	1.81/0.2
<b>VEGETABLES</b>	--	--	
<b>FRUIT</b>	--	--	
<b>OTHERS (Specify)</b>	--	--	

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>FRUITS</b>	Mango	Kesar	1000 Nos.
<b>VEGETABLES</b>	Brinjal seedling	-	500 Nos.
<b>SPICES</b>	--	--	--
<b>FOREST SPECIES</b>	--	--	--
<b>FLOWERS AND ORNAMENTAL</b>	--	--	----
<b>FODDER SLIPS</b>	Napier Grass	CO 3	30000 Nos.
<b>Sugarcane settlings / seedlings</b>		<b>Total</b>	<b>31500 Nos.</b>

#### Bio-products

Sr. No.	Product Name	Species	Quantity	
			Kg	Lit
<b>BIO PESTICIDES</b>	-	-	-	-
<b>BIO FUNGICIDES</b>	-	-	-	-
<b>BIO FERTILIZERS</b>	--	--	--	--

ANY OTHER (Pl. specify)	--	--	--	--

## LIVESTOCK

Sl. No.	Type	Breed	Quantity (No.)
CATTLE	--	--	--
GOAT	---	--	--
SHEEP	--	--	--
POULTRY	--	--	--
PIGS	--	--	--
FISHERIES	--	--	--
ANY OTHER (Pl. specify)	--	--	--

### 4. Literature to be Developed/Published

#### A. Literature developed/published

S.No.	Topic	Number
1	Research papers	4
2	Technical reports	5
3	News letters	0
4	Training manuals	0
5	Popular articles	4
6	Extension literature	5
7	E-publication	0
8	Any other (Please specify) (Folders)	10
<b>Total</b>		<b>28</b>

#### B. 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	--	--	--

#### C. Details of social media platforms to be started / continued

S. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel	KVK Waghai	01
2	Facebook page	Krishi Vigyan Kendra, Dang	01
3	Mobile Apps	KVK Mobaile App	00
4	WhatsApp groups	For Farmers awareness (Groups)	05
5	Twitter Account	KVK Waghai NAU (The Dangs)	01
6	Any other (Pl. Specify)		-



**D.Success stories/Case studies identified for development as a case (Based on previous years success)**

S. No.	Title of success story / case study identified	Proposed month for case/story to be prepared/ developed
	--	--

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

**A. Practicing Farmers**

- a) Use TV and Demonstration (√)
- b) Poster and Chart (√)
- c) Projector (√)

**B. Rural Youth**

- a) Group Discussion (√)
- b) Games (√)
- c) Buzz Session (√)

**C. In-service personnel**

- a) Rounds Table Discussion (√)
- b) Poster and Slide show (√)

**5.2. 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 farmer's 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) -
- 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

**6. LINKAGES**

**6.1. Functional linkage with different organizations**

Sl.No.	Name of organization	Nature of Linkage
1.	Navsari Agricultural University	Provides technical experts for various disciplines as well as practical training to the trainees during educational tour. Teaching at Agricultural college & poly technique of NAU, Waghai.
2.	NAIP, ICAR	Technical support
3.	Agricultural department, District Panchayat , Ahwa Dept. of Horticulture, Ahwa	Helps in organizing in service training for VLWs, khedut shibir and conducting sponsored training programme by receiving the grant from DAO Ahwa.
4.	ATMA, Dangs	Technical support, joint organization of farmers fair.
5.	FTC, Dangs, and Tapi	Technical support
6.	Forest dept., South Dangs, Ahwa.	Helps in organizing van mahotsav, farmers training.
7.	District Information Department, Ahwa.	Publish the activities in news papers.
8.	Veterinary college, NAU, Navsari,	Organization of programme jointly- animal treatment camp,

	Department of Ani. Husb., Ahwa Vasudhara dairy, Waghai	khedut shibir, calf rally etc.
9.	Mahila samakhya, Ahwa.	Training & technical advice.
10.	District Watershed Development Agency, Ahwa	Training & technical advice.
11.	Lotus foundation, Waghai, World vision India, Waghai Rowadan trust, Ahwa, ICDS, AKRSP	Training & field demonstration.
12.	Bhimrao Ambedkar Trust	Training & technical advice.
13.	Naheru Yuva Kendra, Ahwa, Dang	Training & technical advice
14.	Collectorate and District Development Officer, Dang	Election related activities, Krishi Mahotsava and other Government programmes.

## 6.2. Details of linkage with ATMA

S. No.	Programme	Nature of linkage
1	Krusha Mahotsav	Monthly interface meeting of PC KVK and PD, ATMA
2	Exhibition	Joint visit to village by PC KVK and PD, ATMA
3	Exposure visit	Exposure visit within district
4	Training programme	Training within district
5	Farm school	Farm School organized
6	Farmers Day	Joint organization Farmers Day
7	Farmers fair	Joint organization Farmers fair
8	Kisan Gosthi	Training within the District

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

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

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

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

## 6.5. Additional Activities planned including sponsored projects (NARI/DAESI/DAMU/DFI/PKVY, Skill Trainings, etc.) / schemes during 2023, if involved.

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1.	-	-	-	-	-

### 6.5.1. Details of activities planned in DFI villages

Name of DFI village selected	Total No. of families in the village	Interventions planned during 2023	No. of families to be covered under the intervention	Present annual income of the family (Rs /annum)	Expected annual income of the family after intervention (Rs/ annum)
------------------------------	--------------------------------------	-----------------------------------	--	---	---

-	-	-	-	-	-
---	---	---	---	---	---

### 6.5.2. Details of activities planned under NARI (Including FSN project)

S. No.	Name of the village	Activities planned	No. of families to be covered
-	--	--	-

### 6.5.3. Details of activities planned under Paramaparagat Krishi Vikas Yojana (PKVY)

S. No.	Name of the village	Activities planned	No. of families to be covered
-	-	-	-

### 6.5.4. Details of skill trainings planned (sponsored by ASCI)

S. No.	Name of Job Role	Duration (No. of hours)	No. of participants
-	--	--	--

### 6.6. Activities planned in respect of FPOs / FPCs

1. No. of FPOs / FPCs to be formed: -
2. No. of existing FPOs / FPCs to be facilitated: 3
3. Type of support to be provided to existing FPOs / FPCs:

S. No	Name of the FPO / FPC	No. of members	Major activities of FPO / FPC	Type of support to be provided by KVK
1.	Dang Women farmers production company limited	340	Value addition, Seed production & Procurement and selling	Training, Awareness programme & Meeting
2.	Shree Atmanirbhar Adivashi Mahila khedut Utpaadak producer	355		
3.	Jamlapada farmers produce company limited	325		

### 7.0 Convergence with other agencies and line departments in the district:

S. No.	Name of the department / Agency	Type of convergence	Area (ha) / No. of farmers to be benefited
1	ATMA	Training, Field day, Film show	55 farmers
2	MNREGA	--	--
3	NHM	--	--
4	RKVY	--	--
5	DRDA	--	--
6	Zila Panchyat	Exposure visit, Exhibition, Workshop	205 farmers
7	Seed Village	--	--
8	NAIP	--	--
9	Climate Change	--	--
10	Others (Plz. Specify) Uni.	Kisan mela, Kisan Goshthi, Krishi mohotsav	225 farmers
11	DAO	--	--
12	ADHO	--	--

### 8. Innovator Farmer's Meet 2023

Sl.No.	Particulars	Details	Expected No. of participants
1	Farm innovators meet planned	Month proposed Nov. 22	65

### 9. Utilization of hostel facilities

S. No.	Month	No. of days to be utilized
1	Hostel renovated after renovation	--
2	The stay apartment of farmer is pat out	
	<b>Total</b>	

### 10. Details of online activities planned (If any)

S. No.	Type of activities	No. of programmes	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live, etc)	No. of participants to be covered
1	Farmers trainings	-	-	-
2	Farmers scientist's interaction programme	-	-	-
3	Farmers seminars	-	-	-
4	Expert lectures	-	-	-
5	Any other (Pl. specify)	6	Youtube video	4000

### 11. Details of collaborative applied research projects planned if any

S. No.	Name of the research project	Funding agency	Collaborating organizations	Year of commencement	Major activities planned
	--	--	--	--	--

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>										
Feb-24	PF	Natural farming in black gram	01				10	15	25	25
Jun-24	PF	Integrated crop management in Little millet	01				10	15	25	25
Jun-24	PF	Integrated nutrient management in Kharif crops	01				10	15	25	25
Aug-24	PF	Weed management in Pigenpea	01				10	15	25	25
Dec-24	PF	Irrigation management in Gram	01				10	15	25	25
<b>Horticulture</b>										
Jun -24	PF	Scientific cultivation of mango	01				15	10	25	25
Jul-24	PF	Kitchen garden	01				15	10	25	25

Jun-24	PF	Scientific cultivation of turmeric	01				15	10	25	25
Sep-24	PF	Scientific cultivation of Okra	01				15	10	25	25
Oct-24	PF	Scientific cultivation of Indian bean	01				15	10	25	25
<b>Livestock prod.</b>										
Mar-24	PF/FW	Importance of indigenous cattle in natural farming	01				15	10	25	25
Aug-24	PF/FW	Care & Management of milch animal during summer season	01				15	10	25	25
Jun-24	PF/FW	Health care & Disease management in Livestock	01				15	10	25	25
May-24	PF/FW	Silage making & its importance	01				15	10	25	25
<b>Ext. Education</b>										
Feb-24	PF	Natural farming in Napier grass	04				15	10	25	25
May-24	PF	Doubling farmers income through natural farming	01				15	10	25	25
Oct-24	PF	Natural farming with sustainability	01				15	10	25	25
Nov-24	PF	Quantitative techniques for agricultural policy analysis	01				15	10	25	25
<b>Home Sc.</b>										
-	-	-	-	-	-	-	-	-	-	-
<b>Plan prot.</b>										
Nov-24	PF	Disease management in Finger millets	01				13	12	25	25
Oct-24	PF	Disease management in Paddy	01				13	12	25	25
Jan-24	PF	Pest management in Summer	01				13	12	25	25
Feb-24	PF	Bee-Keeping	01				13	12	25	25
Dec-24	PF	Disease management in Bittergourd	01				13	12	25	25
<b>Fisheries</b>										
-	-	-	-	-	-	-	-	-	-	-

#### 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>										
Mar-24	PF	Importance of Jeevamrut and Ghan-jeevamrut	02				15	15	30	30
May-24	PF	Method of transplanting of Paddy	01				15	15	30	30
Nov-24	PF	Impact of nipping in gram	01				15	15	30	30
Jul-24	PF	Importance of mix/inter cropping in natural farming	01				15	15	30	30
Apr-24	PF	Method of preparation of Farm Yard Manure	01				15	15	30	30
<b>Horticulture</b>										
Jan-24	PF	Natural farming	01				15	15	30	30
Jan-24	PF	Natural farming	01				15	15	30	30
Jan-24	PF	Natural farming	01				15	15	30	30
Feb-24	PF	Basic concept of Natural farming	01				15	15	30	30

Mar-24	PF	Importance of Natural farming	01				15	15	30	30
<b>Live Stock Production.</b>										
May-24	PF	Importance of Azolla in milch animal	01				15	15	30	30
Jan-24	PF	Feed & Fodder management of livestock	01				15	15	30	30
Aug-24	PF	Effect of heat in cattle & their maintenance	01				15	15	30	30
Jul-24	PF	Grooming of heifer, pregnant & adult cattle	01				15	15	30	30
<b>Ext. Education</b>										
May-24	PF	Agri-business market intelligence ICT and block chain	01				15	15	30	30
Jun-24	PF	Advances in natural farming in relation to pest and disease management under climate changes	01				15	15	30	30
Nov-24	PF	Various components of natural farming	01				15	15	30	30
Dec-24	PF	Water management and disease of crop under natural farming	01				15	15	30	30
<b>Home Sc.</b>										
-	-	-	-	-	-	-	-	-	-	-
<b>Plant Protection</b>										
Jul-24	PF	Past management in Kharif	01				15	15	30	30
Dec-24	PF	Pest management in Rabi	01				15	15	30	30
Mar-24	PF	Mushroom cultivation	01				15	15	30	30
Jun-24	PF	Stored grain pest managements	01				15	15	30	30
Oct-24	PF	Pest management in Natural farming	01				15	15	30	30
Jul-24	PF	Disease managements in millets	01				15	15	30	30
<b>Fisheries</b>										
-	-	-	-	-	-	-	-	-	-	-
<b>Soil health</b>										
-	-	-	-	-	-	-	-	-	-	-

## 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	
Crop Production	Organic farming	Preparation and use of Bijamrut and Ghan-jivamrut in Summer black gram	Feb -24	05				10	15	25	25
Horticulture	Reduction of chemical pesticide and Fungicide, Fertilizer Intrigue the use of botanical pesticide and natural farming	Preparation of Jeevamrit and Ghanjeevamrit.	May-24	05				15	10	25	25
Plant Protection	Skill training	Mushroom cultivation	Sep-24	05				10	15	25	25
Animal	Income generation by	Backyard poultry farming	Nov-24	04				15	10	25	25

Science	imparting skill training											
Extension Education	Skill training	Preparation of bamboo basket & others bamboo craft product	Jul-24	07				15	10	25	25	
		Value chain development, production processing technology in millet crop	Jan-24	05				15	10	25	25	

### 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>										
Sep-24	Line department, ATMA, Non-Governmental Organizations (NGOs), Agricultural Consultancies (ACs), Supervisors, Members of SHGs & APMC etc.	Organic pesticides preparation	01				15	10	25	25
Sep-24		Prevention & control of zoonotic disease	01				15	10	25	25
Aug-24		Concept importance and scope of natural farming in Gujarat	02				15	10	25	25
Nov 24		ICT and marketing intelligence	02				15	10	25	25
Nov-24		Natural farming	01				15	10	25	25

### iv) Sponsored programmes

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of courses	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
<b>a) Sponsored training programme</b>											
Crop production	NGOs, ATMA, FTC, DWDU, NYC, etc.	--	Natural farming of kharif & Rabi crops	04				51	54	105	105
Horticulture		--	Natural farming of horticultural crops	04				51	54	105	105
Plant protection		--	Mushroom cultivation	04				51	54	105	105
Animal science		--	Dairy farming & Animal health	04				51	54	105	105
Extension education		--	Integrated farming system by use of Natural material	04				51	54	105	105
			<b>Total</b>	<b>20</b>				<b>255</b>	<b>270</b>	<b>525</b>	<b>525</b>
<b>b) Sponsored research programme</b>											
-	-	-	-	-	-	-	-	-	-	-	-
			<b>Total</b>								
<b>c) Any special programmes</b>											
-	-	-	-	-	-	-	-	-	-	-	-
			<b>Total</b>								

Annexure - II

### Details of Budget Estimate (2024) based on proposed action plan

S. No.	Particulars	Proposed BE 2024 (Rs.)
<b>1</b>	<b>Recurring Contingencies</b>	
1.1	Pay & Allowances	1,30,00,000/-
1.2	Traveling allowances	2,00,000/-
1.3	Contingencies	30,00,000/-
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	5,00,000/-

<i>B</i>	POL, repair of vehicles, tractor and equipments	1,00,000/-
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	5,00,000/-
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	1,00,000/-
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	4,00,000/-
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	4,00,000/-
<i>G</i>	Training of extension functionaries	1,00,000/-
<i>H</i>	Maintenance of buildings	1,00,000/-
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	-
<i>J</i>	Establishment of low cost green house	-
<i>K</i>	Library	25,000/-
	<b>TOTAL Recurring Contingencies</b>	<b>1,84,25,000/-</b>
<b>2</b>	<b>Non-Recurring Contingencies</b>	
2.1	<b>Works</b>	20,00,000/-
2.2	<b>Equipments including SWTL &amp; Furniture</b>	3,00,000/-
2.3	<b>Vehicle</b> (Four-wheeler/Two-wheeler, please specify)	50,000/-
2.4	<b>Library</b> (Purchase of assets like books & journals)	50,000/-
	<b>TOTAL Non-Recurring Contingencies (2.1+2.2+2.3)</b>	<b>24,00,000/-</b>
<b>3</b>	<b>REVOLVING FUND</b>	-
	<b>GRAND TOTAL</b>	<b>2,08,25,000/-</b>

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