ICAR-ATARI, Pune

DETAILS OF ACTION PLAN OF KVKs DURING 2024

(1st January 2024 to 31st 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 & No. of visitors (hits)
Krishi Vigyan Kendra, Navsari Agricultural University Dediapada-393040, Dist: Narmada, Gujarat	Office	FAX	kvkdediapada@nau.in kvk_narmada@yahoo.in	http://narmada.kvk6.in/ Visitors- 504156
	02649 234501	-		

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

Address	Telephone		E mail	Website address
	Office	FAX		
Navsari Agricultural University, Eru Char Rasta, Dandi Road, Navsari – 396 450, Gujarat, INDIA.	(02637) 282771-75, 282823	(02637) 283794	registrar@nau.in vc@nau.in dee@nau.in	www.nau.in

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

Name	Telephone / Contact	
Dr. V. K. Poshiya	Mobile	Email
	9998211629	vkposhiya@nau.in

1.4. Year of sanction & type of host organization: 2006 (SAU)

1.5. Staff Position (as on December, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs. /month)
					Current Pay Band	Current Grade Pay	Date of joining	
1.	Senior Scientist and Head (I/C)	Dr. V. K. Poshiya	9998211629	Ext. Edu.	57700-182400	-	15-08-19	1,13,800/-
2.	Scientist	Vacant	-	Ext. Edu.	57700-182400	-	-	-
3.	Scientist	Vacant	-	Agronomy	57700-182400	-	-	-
4.	Scientist	Vacant	-	Entomology	68900-205500	-	-	-
5.	Scientist	Dr. D. B. Bhinsara	9574976698	Animal Science	57700-182400	-	20-09-19	1,06,984/-
6.	Scientist	Dr. M. V. Tiwari	9408985550	Home Science	57700-182400	-	21-08-15	1,04,660/-
7.	Scientist	Vacant	9427543481	Horticulture	57700-182400	-	-	-
8.	Programme Assistant	Mr. V. R. Jinjala	9726892689	Agronomy	39900-126600	-	13-08-15	62,912/-
9.	Computer Programmer	Mr. M. H. Bhatt	7227801350	Computer Programmer	39900-126600	-	17-08-15	64,400/-
10.	Farm Manager	Mr. M. L. Visat	9428352010	Plant Breeding	39900-126600	-	11-03-19	57,658/-
11.	Accountant/Superintendent	Mr. N. J. Vyas	9586669798	Head Clark	35400 -	-	19-01-23	62,650/-

					112400			
12.	Stenographer	Vacant	-	-	-	-	-	
13.	Driver 1	Mr. S. M. Saiyed	9624810186	Driver cum Mechanic	21700-69100	-	23-08-12	42,666/-
14.	Driver 2	Vacant	-	-	-	-	-	-
15.	Supporting staff 1	Vacant	-	-	-	-	-	-
16.	Supporting staff 2	Vacant		-	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	05.24
2.	Under Demonstration Units	01.00
3.	Under Crops	10.46
4.	Orchard/Agro-forestry	01.60
5.	Others (bunds, farm roads)	02.00
6.	Farm Pond	00.60
Total		21.60

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	2010	1200	90.00	July-2010	1200	Completed
2.	Farmers Hostel	ICAR	2010	1500	30.43	April-2012	1500	Completed
3.	Staff Quarters (6)	ICAR	2010	370	39.69	Jan-2010	370	Completed
4.	Demonstration Units (6)	ICAR	2017	260	3.86	April-2018	260	Completed
5	Fencing	State	2007	1100	26.00	April-2008	1100	Completed
6	Rain Water harvesting system	ICAR	2012	10	1.00	April-2013	10	Completed
7	Threshing floor	State	2014	200	2.00	April-2014	200	Completed

8	Farm godown	ICAR	2010	110	20.00	April-2011	110	Completed
9	ICT lab	-	-	-	-	-	-	-
10	STL (Soil testing Laboratory)	ICAR	2017	110	16.50	April-2018	110	Completed
11	Implement shed	State	2018	100	4.50	April-2018	100	Completed

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bike	2012	49,000/-	33,941	Good
Bolero	2019	8,00,00/-	15962	Good

C. Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Trailer	26.03.2007	80,000/-	Working
Cultivator	26.03.2007	15,000/-	Working
Plough	22.10.2008	4,300/-	Working
Electronic balance	20.08.2009	8,000/-	Working
Scale balance	09.03.2009	6,000/-	Working
Rotavator	02.03.2009	63,000/-	Working
Disc harrow	09.03.2009	57,120/-	Working
Submersible pump	13.03.2009	41,105/-	Working
Plough	18.03.2009	19,000/-	Working
Leveler	18.03.2009	13,500/-	Working
Pump sprayer	21.03.2009	20,700/-	Working
Thresher	21.03.2009	1,05,000/-	Working
Bund former	26.03.2009	12,348/-	Working
Seed drill	26.03.2009	11,500/-	Working
V ditcher	28.03.2009	20,400/-	Working
Ridge	28.03.2009	15,000/-	Working
Computer with accessories	28.03.2009	36,735/-	Working
Submersible pump	30.03.2009	41,075/-	Working

Honda Portable generator	31.03.2009	38,000/-	Working
Digital camera	06.03.2010	25,000/-	Working
Fax machine	20.03.2010	14,900/-	Working
Digital Copier	29.03.2010	66,600/-	Working
Multi crop thresher	26.03.2010	1,45,000/-	Working
Castor Thresher	26.03.2010	15,500/-	Working
Bag sewing machine	27.03.2010	5,040/-	Working
A&V sound system	10-12-2010	42,898/-	Working
Portable Sound system	10-12-2010	22,784/-	Working
Multimedia projector with trolley& screen	10-12-2010	64,997/-	Working
Seed cum fertilizers drill	16-03-2011	36,100/-	Working
Winnower	16-03-2011	26,500/-	Working
LCD TV	21-03-2011	54,890/-	Working
Lap top	24-03-2011	37,850/-	Working
Computer with accessories	17-03-2011	73,690/-	Working
Water cooler with RO system	19-03-2011	43,900/-	Working
Motor Cycle	22-03-2010	49,650/-	Working
Solar Water Heater	22-03-2012	75,025/-	Working
LCD TV	22-03-2012	40,860/-	Working
Refrigerator	22-03-2012	20,100/-	Working
Water Cooler with RO System	22-03-2012	42,000/-	Working
Magazine Stand Model T-9309	12-03-2014	4,465/-	Working
Acrylic Specimen Box	12-03-2014	840/-	Working
Acrylic Table Top/Desk ped	12-03-2014	4,952/-	Working
Acrylic Door Name Plate	12-03-2014	656/-	Working
Electric Motor 5 H. P	23-08-2014	22,500/-	Working
Electric Motor 0.5 H. P	03-12-2014	2,800/-	Working
Loan Mover	23-12-2014	26,200/-	Working
Sewing Machine with Gear (No. 16)	23-12-2014	91,200/-	Working
Sewing Machine without Gear	23-12-2014	8,000/-	Working
Sewing Machine	23-12-2014	8,000/-	Working
Trolley (2 Wheel)	24-02-2015	85,000/-	Working
Case Wheel	24-02-2015	15,000/-	Working
Samar	24-02-2015	28,000/-	Working

Peddler	24-02-2015	20,000/-	Working
Notice board	03-03-2015	5,980/-	Working
Magazine Stand	03-03-2015	6,240/-	Working
Honda Generator	23-03-2015	96,500/-	Working
Soil testing mini lab.	27/11/2015	75,000/-	Working
Digital electronic weight machine	04/02/2016	29,900/-	Working
Digital electronic weight machine	04/02/2016	6,900/-	Working
Paddy Thresher Fan with motor	04/02/2016	42,000/-	Working
Spray pump with betray	04/03/2016	8,000/-	Working
Paddy Thresher	21/03/2016	1,67,000/-	Working
Lesser band leveler	21/03/2016	2,95,000/-	Working
Rico digital photo copier	17/03/2017	1,50,000/-	Working
Rotary Secker	18/03/2017	99,000/-	Working
Automatic nitrogen distillation operator	16/03/2017	3,08,800/-	Working
Digital Spectrophoto meter	16/03/2017	75,000/-	Working
Hot plate	16/03/2017	41,300/-	Working
Oat at oven	18/03/2017	41,800/-	Working
E.C. meter	18/03/2017	34,760/-	Working
Electric top pan	18/03/2017	72,200/-	Working
Flam photo meter	18/03/2017	72,000/-	Working
P.H. Meter	16/03/2017	56,400/-	Working
Mrudaparikshak	25/03/2017	86,000/-	Working
Chap cutter	13/11/2017	26,964/-	Working
Winnowing fan with electric motor	08/02/2018	8,300/-	Working
Tractor mount sprayer	17-02-2018	99,710/-	Working
Power tiller	29/08/2023	1,95,624/-	Working
High speed scanner	18/09/2023	36,450/-	Working

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

Sl. No.	Particulars	Proposed date of meeting
1	17th Scientific Advisory Committee Meeting	31-12-2024

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

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

Sr. No	Farming system/enterprise
1.	Agriculture + Horticulture + Animal husbandry
2.	Agriculture + Horticulture + Agroforestry (Agrihortisilvicultural)
3.	Agriculture + Animal husbandry
4.	Agroforestry

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

S. No	Agro-climatic Zone and Agro Ecological Situations	Characteristics	
1	South Gujarat Zone II, AES-I (Dediapada, Sagbara, Garudeshwar & Nandod)	Rainfall: 1000-1250 mm	**Type of Soil:** Undulating, shallow to medium in depth, fine textured, highly erosive and Deep Black Soil-Plain **Soil Characteristics:** Low fertility land and hilly terrain with dense forest and Deep black soil with high rainfall-plain **Soil fertility:** Nitrogen-poor, Phosphorus medium, Potash High.
2	Middle Gujarat Zone III, AES-IX (Tilakwada)	Rainfall: >800 mm	

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.	94,240
2	Deep black soil- Plain	Deep black soil with high rainfall- plain	23,560

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

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
CEREALS				
1	Paddy	9530	9554/25871	8.90/24.10
2	Wheat	1213	9048	22.62
3	Sorghum	5697	1724	14.10
4	Maize	7255	9999	15.90
TOTAL		**23695**	**56196**	**85.62**
PULSES				
1	Green gram	359	135	5.02
2	Pigeon Pea (Arhar)	18366	18382	9.90
3	Chick pea	1178	1593	9.76

TOTAL		**19903**	**20110**	**24.68**
OILSEEDS				
1	Soybean	1703	5831	17.10
2	Groundnut	170	347	18.40
3	Sesame	22	13	5.82
4	Castor	314	617	19.64
TOTAL		**2209**	**6808**	**60.96**
OTHERS				
1	Cotton	53456	67548	13.20
2	Sugarcane	5739	358678	700.0
3	Vegetables	2856	2770	9.70
4	Fodder Crops	2179	4794	22.00
TOTAL		**64230**	**433790**	**744.9**

Authentic Source (State / Central Govt): District agriculture department.

2.5. Weather data (2023)

Month	**Normal RF (mm)**	**Normal Rainy days (number)**	**Temperature (^{0} C)**		**Relative Humidity (%)**	
			Maximum	**Minimum**	**Maximum**	**Minimum**
January	0.0	0.0	28.0	10.8	97	36
February	0.0	0.0	32.8	10.3	80	15
March	28.0	4.0	35.6	20.0	71	20
April	2.5	0.0	37.4	22.9	69	20
May	49.5	3.0	38.0	26.7	88	28
June	152.5	11.0	34.3	28.0	88	53
July	366.5	21.0	27.3	28.1	100	98
August	57.5	10.0	29.6	25.7	100	91
September	526.5	15.0	30.3	25.3	100	80
October	0.0	0.0	34.3	20.7	100	38
November	97.5	1.0	32.0	17.1	95	35
December	0.0	0.0	29.7	15.9	97	40
Total	**1280.5**	**65.0**	-	-	-	-

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

Category	**Population**	**Production**	**Productivity**
Cattle			
Crossbred	4503	45,000 Tone/year milk	7.094 lit/day (milk)
Indigenous	170154		2.518 lit/day (milk)
Buffalo	79014		3.462 lit/day (milk)

Sheep	542	-	863 gm/year (wool)
Crossbred	-	-	-
Indigenous	-	-	-
Goats	89727	19843 kg meat/year	3.62 kg/year (meat)
Pigs	-	-	-
Crossbred	-	-	-
Indigenous	74	-	-
Rabbits	73	-	-
Poultry	-	-	-
Hens	-	-	-
Desi	138509	36,00,000 egg/year	0.2504 no. of egg/day
Improved	3887		0.6643 no. of egg/day
Ducks	913	-	-
Turkey and others	-	-	-
Category	**Area**	**Production**	**Productivity**
Fish	-	-	-
Marine	-	-	-
Inland	18.09	-	200 kg/ha
Prawn	-	-	-
Shrimp	-	-	-

2.7. Details of Operational area / Villages

Name of the Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Dediapada	Kunbar, Rohda, Almavadi, Sejpur, Navagam, Panuda, Bhatpur, Soliya	Paddy, Pigeon pea, sorghum, Gram	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management

	Relva Bharada, Sabuti, Khuparborsan, Gopaliya, Siyali	Paddy, Pigeon pea, sorghum Gram, Cotton, Wheat	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Insect pest problem in cotton • High use of input in cotton and vegetables	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Integrated pest management • Integrated Nutrient Management
	Mathasar, Kanzari, Pankhala, Kokam, Vandari,	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Insect pest problem in cotton • High use of input in cotton and vegetables	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Integrated pest management • Integrated Nutrient Management
	Tabda, Zankh, Kham, Bhutbeda,	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Insect pest problem in cotton • High use of input in cotton and vegetables	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Integrated pest management • Integrated Nutrient Management

Sagbara	Panchpipali, Navagam, Javali, Kel, Ubhariya. Kherdipada, Barktura,	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Insect pest problem in cotton • High use of input in cotton and vegetables	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Integrated pest management • Integrated Nutrient Management
	Nanadoramba, Motadoramba, Makran, Nana Kakadiamba, Bodvav	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Insect pest problem in cotton • High use of input in cotton and vegetables	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Integrated pest management • Integrated Nutrient Management
Nandod	Boridra, Amali, Nani chikhali, Moti chikhali. Partapnagar,	Paddy, Pigeon pea, sorghum Gram, Cotton, wheat, Vegetable	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Use of local variety, • Imbalance use of	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Varietal replacement
Tilak-wada	Nimpura, Bunjetha, Utavadi, Gamod.	Cotton, Paddy, Pigeon pea, maize, Gram, Wheat, Sorghum	• Insect pest problem in cotton • High use of input in cotton and vegetables • Use of local variety, • Imbalance use of fertilizer, • Low animal productivity	• Integrated pest management • Integrated Nutrient Management • Production technology of major crops, • Promotion of vegetable crops, • Dairy management through feeding, housing and Health management

Garudeshvar	Junvad, Fulvadi, Moti raval, Mota raipura, Suka, Zunda, Kalimakwana, Nava vaghpara	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	• Use of local variety, • Imbalance use of fertilizer, • Low irrigation facility • Low animal productivity • Insect pest problem in cotton • High use of input in cotton and vegetables	• Varietal replacement • Production technology of major crops, • Water conservation, • Arid horticulture, • Dairy management through feeding, housing and Health management • Integrated pest management • Integrated Nutrient Management

2.8. Priority thrust areas:

1	Introduction of Improved variety
2	Balance used of fertilizers
3	Eco friendly plant protection technology
4	Dairy management and goat rearing
5	Drudgery reduction technology for farm women health nutrition for vulnerable groups and sickle cell anemia awareness
6	Women empowerment and self-reliability through entrepreneurial development

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
03	15	725	1376

Training		**Extension Activities**	
(3)		**(4)**	
Number of Courses	Number of	Number of activities	Number of

	Participants		participants
99	3870	407	36832

Seed Production (Qtl.)	**Planting material (Nos.)**	**Livestock, poultry strains and Fish seed prod. (No's)**	**Soil Samples**
(5)	**(6)**	**(7)**	**(8)**
311	157000	10	150

3.1.B. Operational areas details proposed during 2024

S. No.	**Major crops & enterprises being practiced in cluster villages**	**Prioritized problems in these crops/ enterprise**	**Extent of area (Ha/No.) affected by the problem in the district**	**Names of Cluster Villages identified for intervention**	**Proposed Intervention (OFT, FLD, Training, extension activity etc.) ***
Increasing the production of major crops					• Training • Field day • Field visits • Diagnostic visit • Kisan gosthi • Crop Symposium-Kharif and Rabi • Exhibition Literature Publication and distribution
1	Pigeon pea	Use of local variety, Imbalance use of fertilizer and No use of bio fertilizer.	30/75	Two Cluster Having six villages of Dediapada and sagbara talukas	
2	Chickpea		30/75		
3	Green gram		30/75		
4	Black gram		30/75		
5	Groundnut		30/75		
6	Soybean		30/75		
7	Groundnut		30/75		
8	Sesame		30/75		
9	Paddy (Drilled)	Use of local variety.	20/50		
10	Paddy (T.P.)		30/75		
11	Maize	Introduction of new variety.	5/12		
12	Wheat		5/12		
13	Cotton	Use of local variety.	20/50	Two Cluster Having six villages of Dediapada, Sagbara, Nandod, Tilakwada, and Garudeshvar talukas	
14	Cotton	Use of local variety.	20/50		
15	Cotton	Lack of Knowledge, Low yield, More cost of cultivation.	6/16		
16	Paddy		6/16	Two Cluster Having six villages of Dediapada and	
17	Maize		6/16		

				sagbara taluka	
Fruit and vegetables in irrigated area					
18	Brinjal	Lack of Knowledge and No use of bio-component.	6/16	Two Cluster Having six villages of Dediapada and sagbara taluka	
19	Chilli		6/16		
20	Indian bean	Use of local variety.	10/25		
21	Watermelon	Lack of Knowledge and No use bio fertilizer.	5/12		
22	Banana (Micropropagation/ Suckers)	Use of local variety.	100 to each farmer / 10	Two Cluster Having six villages of Nandod and Garudeshvar talukas	
23	Mango	Use of local variety.	5 to each farmer / 15	One Cluster Having six villages of Dediapada and sagbara taluka	
Livestock Management					
24	Fodder Sorghum	Imbalance Animal nutrition and feeding, housing and Health management,	100/100	Two Cluster Having six villages of Dediapada and sagbara talukas	
25	Mineral mixture licking block		50/50		
26	Rubber Cow mat		25/25		
Small Scale Farm Mechanization					
27	Paddy thresher with winnowing fan	Ergonomics drudgery reduction parameters like physical hazards, muscle stress, fatigue etc	05/5 SHG	Two Cluster Having six villages of Dediapada, Nandod and sagbara talukas	
28	Stalk pullover		50/50		
29	Twin Wheel Hoe with four attachment		50/50		
Enterprises					
30	Nutritional Garden	Health and Nutrition management	50/50	Two Cluster Having six villages of Dediapada and sagbara taluka	

* 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	Spices	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	**0**
Varietal Evaluation	0	0	1	0	0	1	0	0	0	**2**
Integrated Pest Management	0	0	0	0	0	0	0	0	0	**0**
Integrated Crop Management	0	0	0	0	0	0	0	0	0	**0**
Integrated Disease Management	0	0	0	0	0	0	0	0	0	**0**
Small Scale Income Generation Enterprises	0	0	0	0	0	0	0	0	0	**0**
Weed Management	0	0	0	0	0	0	0	0	0	**0**
Resource Conservation Technology	0	0	0	0	0	0	0	0	0	**0**
Farm Machineries	0	0	0	0	0	0	0	0	0	**0**
Integrated Farming System	0	0	0	0	0	0	0	0	0	**0**
Seed / Plant production	0	0	0	0	0	0	0	0	0	**0**
Value addition	0	0	0	0	0	0	0	0	0	**0**

Drudgery Reduction	0	0	0	0	0	0	0	0	0	**0**
Storage Technique	0	0	0	0	0	0	0	0	0	**0**
Mushroom cultivation	0	0	0	0	0	0	0	0	0	**0**
Total	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**2**

A.2. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	**Cattle**	**Poultry**	**Piggery**	**Rabbitry**	**Fisheries**	**Goat**	**TOTAL**
Evaluation of Breeds	0	0	0	0	0	0	**0**
Nutrition Management	0	0	0	0	0	0	**0**
Disease of Management	0	0	0	0	0	1	**1**
Value Addition	0	0	0	0	0	0	**0**
Production and Management	0	0	0	0	0	0	**0**
Feed and Fodder	0	0	0	0	0	0	**0**
Small Scale income generating enterprises	0	0	0	0	0	0	**0**
TOTAL	**0**	**0**	**0**	**0**	**0**	**1**	**1**

B. (I). Details of On Farm Trial / Technology Assessment during 2023

OFT : 1 Assessment of Greengram varieties against Yellow viral disease.

1	Title of Technology Assessed	:	Assessment of Greengram varieties against Yellow viral disease.
2	Problem diagnose/defined	:	- Unawareness about vector and its management, - Lack of Knowledge for application of insecticides,- non -availability of labour for roughing diseased plants, - Biotic and abiotic stress. - poor insect management
3	Details of technologies selected for assessment	:	**T_1 :** Farmers Practice **T_2 :** Greengram Meha, **T_3 :** Greengram GAM-5, **T_4 :**Greengram GM-6, **T_5 :**Greengram GM-7,
4	Source of technology	:	SAU, Gujarat
5	Production system/thematic area	:	IPM
6	Performance of the technology with performance indicators	:	Number of diseased plants (%) at before flowering and pod formation stage, Yield increase (%),Yield (Q/ha), B:C Ratio.
7	Process of farmers participation and their reaction	:	Farmer's participation in planning, execution and monitoring.

B. (II). Details of Continue on Farm Trial / Technology Assessment

1. Assessment of Pigeonpea varieties with reference to climate resilient performance year Kharif-2023

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter			Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8			9	10	11	12
Pigeonpea	Irrigated	-Lack of Knowledge, -Low yield,	Assessment of Pigeonpea varieties with reference to climate resilient performance	5	Varietal assessment	Yield and B:C ratio	Treatment	Yield	B:C ratio	Pigeonpea GT-105 found 18.92 q/ha yield with 2.81 B:C ratio as compared the farmer's practice.	Pigeonpea GT-105 variety of pigeon pea gave higher number of pods and more yield as compared to local.	Continue	-
							T_1 :Farmers Practice	9.85	1.45				
							T_2:Pigeonpea GT-105	18.92	2.71				
							T_3:Pigeonpea GT-104	16.75	2.55				
							T_4:Pigeonpea Vaishali	14.45	2.17				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
T_1 : Farmers Practice	-	9.85	Q/ha	27187	1.45
T_2 : Pigeonpea GT-105	NAU, Navsari.	18.92	Q/ha	52524	2.71
T_3 : Pigeonpea GT-104		16.75	Q/ha	40714	2.55
T_4 : Pigeonpea Vaishali		14.45	Q/ha	31107	2.17

2. Assessment of tissue culture and macro propagation technology in banana year Kharif-2022

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter						Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8						9	10	11	12
Banana	Irrigated	-Lack of Knowledge about planting material and above technologies, -Low yield with some virus diseases, -High cost of cultivation	Assessment of tissue culture and macro propagation technology in banana	5	Varietal assessment	Number of days for harvesting, Weight of a bunch, Yield (Q/ha), Yield increase (%), B:C Ratio.	Treatment	Number of days for harvesting	Weight of a bunch	Yield (Q/ha)	Yield increase (%)	B:C ratio	-	-	-	Result awaited
							T_1 : Farmers Practice (Suckers)	-	-	-	-	-				
							T_2 :Grand Naine (G-9) - Tissue Culture,	-	-	-	-	-				
							T_3 : Grand Naine (G-9) - Macro propagation Technique	-	-	-	-	-				

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
T_1: Farmers Practice (Suckers)		Result awaited			
T_2: Grand Naine (G-9) - Tissue Culture					
T_3: Grand Naine (G-9) - Macro propagation Technique					

3. Assessment of anthelmintic against parasitic infestation in Kid (Goat). (2nd year)

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter			Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8			9	10	11	12
Livestock (Goat Farming)	The major problem identified in Kid (goat) is low weight gain due to parasitic infestation.	-Lack of awareness regarding deworming	Assessment of anthelmintic against endoparasitic infestation in Kid (Goat).	5	Fenbendazole @ 7.5mg/kg body weight once a month up to six month of age	Body wight	Treatment	Yield	B:C ratio	Fenbendazole drug has good efficiency to control endoparasites Infestation .	Fenbendazole drug has good efficiency to controlling endoparasitic infestations.	-	-
							T_1: Farmer practices	8.0	-				
							T_2: Fenbendazole @ 7.5mg/kg body weight once a month up to six month of age	10.2	4.4				
							T_3: Neem leaves @ 50 gm per day per head 3 to 6 months of age group kid.	9.3	-				

Contd..

Technology Assessed	Source of Technology	Increase Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
T_1: Farmer practices (control)		-	8.0 kg/animal	-	-
T_2: Fenbendazole @ 7.5mg/kg body weight (3 to 6 months of age group kid) once a month up to six month of age	SAU	2.2	10.2 kg/animal	510	4.4
T_3: Neem leaves @ 50 gm per day (3 to 6 months of age group kid) for each dosage for 10 days once a month up to six month of age		1.2	9.2 kg/animal	360	

3.3.Front Line Demonstration: (2023)

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	Improved variety	60000	Kharif – 2024	30	75	Yield Q/ha, Increased yield (%) & B:C ratio
2	Chickpea	GJG-5/ GJG-6	ICM	Improved variety	75000	Rabi - 2024	30	75	Yield Q/ha, Increased yield (%) &B:C ratio
3	Green gram	GM-6/ GM-7	ICM	Improved variety	60000	Summer - 2024	30	75	Yield Q/ha, Increased yield (%) &B:C ratio
4	Black gram	GU-3/ GAU-4	ICM	Improved variety	60000	Summer - 2024	30	75	Yield Q/ha, Increased yield (%) &B:C ratio
5	Groundnut	GJG-32	ICM	Improved variety	200000	Kharif - 2024	30	75	Yield Q/ha, Increased yield (%) & B:C ratio
6	Groundnut	GG-34	ICM	Improved variety	200000	Summer - 2024	30	75	
7	Soybean	NRC-37/ NRC-127	ICM	Improved variety	90000	Kharif - 2024	30	75	Yield Q/ha, Increased yield (%) & B:C ratio
8	Sesame	GT-6	ICM	Improved variety	45000	Summer - 2024	30	75	Yield Q/ha, Increased yield (%) & B:C ratio
9	Paddy	Purna/	Varietal	Improved variety	30000	Kharif -	20	50	Yield Q/ha,

	(Drilled)	Tapi				2024			Increased yield (%) & B:C ratio
10	Paddy (T.P.)	GAR-13/GRH-2/ GNR-2/GNR-9/ Devli kolumn/ GR-20 and Parimal	Varietal	Improved variety	70000	Kharif - 2024	30	75	Yield Q/ha, Increased yield (%) & B:C ratio
11	Maize	GAYMH – 3	Varietal	Improved variety	25000	Kharif - 2024	5	12	Yield Q/ha, Increased yield (%) & B:C ratio
12	Wheat	GW-499	Varietal	Improved variety	25000	Rabi – 2024	5	12	Yield Q/ha, Increased yield (%) & B:C ratio
13	Cotton	Bt. H-12	Varietal	Improved variety	50000	Kharif – 2024	20	50	Yield Q/ha, Increased yield (%) & B:C ratio
14	Cotton	Bt. H-10	Varietal	Improved variety	50000	Kharif - 2024	20	50	Yield Q/ha, Increased yield (%) & B:C ratio
15	Cotton	Bt. H-10	IPM	Yellow sticky trap, Pheromone trap with lures, Neem based pesticides, B. bassiana Acetamiprid.	50000	Kharif – 2024	6	16	Mean population/plant, Yield Q/ha, Increased yield (%) & B:C ratio

16	Paddy	GNR-2	IPM	Pheromone trap with lures, Neem based pesticides, B. bassiana Acetamiprid,	50000	Kharif - 2024	6	16	Mean population/plant, Yield Q/ha, Increased yield (%) & B:C ratio
17	Maize	GAYMH-3	IPM	Neem based pesticides, *B. bassiana*, Pheromone trap with lures, and Flubendiamide.	60000	Kharif - 2023	6	16	Mean population/plant, Yield Q/ha, Increased yield (%) & B:C ratio
18	Brinjal	Gulabi (Local)	Bio-agents	Pseudomonas culture	5000	Rabi 2024	6	16	Mean population/plant, Yield Q/ha, Increased yield (%) & B:C ratio
19	Chilli	-	Bio-agents	Pseudomonas culture	5000	Rabi 2024	6	16	Mean population/plant, Yield Q/ha, Increased yield (%) & B:C ratio
20	Indian bean	GNIB-22	Varietal	Improved variety	30000	Late Kharif - 2024	10	25	Yield Q/ha, Increased yield (%) & B:C ratio
21	Watermelon	-	INM	Novel and Fruit fly trap	10000	Summer - 2024	5	12	
22	Banana (NRC on Banana-Trichy In	G-9	Varietal	Improved variety	20000	Kharif – 2024	100 plant to each farmers	10	

	association with FRS NAU Gandevi)								
23	Mango	Kesar etc.	Varietal	Improved variety	25000	Kharif - 2024	15 to each farmer	15	
	Total				**12,95,000/-**				

Sponsored Demonstration (CFLDs on O & P/Others)

Crop/Enterprises	Area (ha)	No. of farmers
Cotton	20	50
Chickpea	20	50
Maize	20	50
Kitchen Garden / vegetable	100	100
Novel	20	50
Total	**180**	**300**

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1.	Field days	29	-	2742
2.	Farmers Training	75	-	3000
3.	Media coverage	5	-	-
4.	Training for extension functionaries	2	-	100

C. Details of FLD on Other Enterprises

A. Farm Implements

Sr. No.	Crop/ Enterprise	Thematic area	Technology /input demonstration	No. of farmers	Parameters to be identified	Cost of input /RS
1	Paddy thresher and winnowing fan	Drudgery reduction	Paddy thresher and winnowing fan	05/5 SHG	Ergonomics drudgery reduction parameters like physical hazards, muscle stress, fatigue etc.	175000
2	Removal of stubble		Stalk puller	50		60000
3	Weed management		Twin Wheel Hoe with four attachment	50		122500
	Total					**357500**

B. FLD on Livestock and Fisheries Enterprises

Sr. No	Technology to be demonstrated	Thematic AREA	No. of Farmer	Observation	Critical inputs	Cost/input (RS)
1.	Fodder Sorghum		100	Fodder production	Fodder seed	40000
2.	Mineral mixture licking block		50	Calving interval (Days)	Mineral mixture licking block	12500
3.	Rubber Cow mat		25	Milk production and good health	Cow mat	62500
	Total					**115000**

C. Other Enterprises

Sr. No	Technology to be demonstrated	Thematic AREA	No. of Farmer	Observation	Critical inputs	Cost/input (RS)
1.	Nutritional Garden	Animal nutrition	50/50	Yield Q/ha, Increased yield (%) & B:C ratio	Seeds & seedlings of vegetables	10000
	Total					**10000**

3.4. 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	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01				20	10	30	30
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming	01				20	10	30	30
Water management								
Seed production	01				20	10	30	30
Nursery management	01				20	10	30	30
Integrated Crop Management	01				20	10	30	30
Fodder production								
Production of organic inputs	01				20	10	30	30
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	01				20	10	30	30
Nursery raising	01				20	10	30	30
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	01				20	10	30	30
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	01				20	10	30	30
Management of young plants/orchards	01				20	10	30	30
Rejuvenation of old orchards								

Export potential fruits								
Micro irrigation systems of orchards	01				20	10	30	30
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology	01				20	10	30	30
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management	01				20	10	30	30
Production and management technology								
Post-harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								

Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	02				40	20	60	60
Poultry Management	01				20	10	30	30
Piggery Management								
Rabbit Management/goat	02				40	20	60	60
Disease Management	01				20	10	30	30
Feed management	01				20	10	30	30
Production of quality animal products	01				20	10	30	30
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	01				20	10	30	30
Design and development of low/minimum cost diet	01				20	10	30	30
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	01				20	10	30	30
Storage loss minimization techniques								
Value addition	01				20	10	30	30
Income generation activities for empowerment of rural Women	01				20	10	30	30
Location specific drudgery reduction technologies	01				20	10	30	30
Rural Crafts	01				20	10	30	30
Women and child care	01				20	10	30	30
VI Agril. Engineering								

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								
VII Plant Protection								
Integrated Pest Management	02				40	20	60	60
Integrated Disease Management	02				40	20	60	60
Bio-control of pests and diseases	01				20	10	30	30
Production of bio control agents and bio pesticides	01				20	10	30	30
VIII Fisheries								
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								
IX Production of Inputs at site								

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								
X Capacity Building and Group Dynamics								
Leadership development	02				40	20	60	60
Group dynamics	01				20	10	30	30
Formation and Management of SHGs	01				20	10	30	30
Mobilization of social capital	01				20	10	30	30
Entrepreneurial development of farmers/youths	01				20	10	30	30
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**42**	**0**	**0**	**0**	**840**	**420**	**1260**	**1260**
(B) RURAL YOUTH								
Mushroom Production	01				20	10	30	30
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								

Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01				20	10	30	30
Training and pruning of orchards								
Value addition	01				20	10	30	30
Production of quality animal products								
Dairying								
Sheep and goat rearing	01				20	10	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	01				20	10	30	30
Post-Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	**05**				**100**	**50**	**150**	**150**
(C) Extension Personnel								

Productivity enhancement in field crops	01				20	10	30	30
Integrated Pest Management	01				20	10	30	30
Integrated Nutrient management	01				20	10	30	30
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs	01				20	10	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	01				20	10	30	30
Livestock feed and fodder production								
Household food security	01				0	30	30	30
Women and Child care	01				0	30	30	30
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
D. Vocational Training	**7**	**0**	**0**	**0**	**100**	**110**	**210**	**210**
TOTAL	**12**	**0**	**0**	**0**	**200**	**160**	**360**	**360**
G. Total	**54**	**0**	**0**	**0**	**1040**	**580**	**1620**	**1620**

B. OFF Campus

Thematic Area	**No. of Courses**	**No. of Participants**		
		Others	**SC/ST**	**Grand Total**

		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	01				25	25	50	50
Resource Conservation Technologies	01				25	25	50	50
Cropping Systems	01				25	25	50	50
Crop Diversification								
Integrated Farming	02				50	50	100	100
Water management								
Seed production								
Nursery management								
Integrated Crop Management	01				25	25	50	50
Fodder production								
Production of organic inputs	01				25	25	50	50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	01				25	25	50	50
Exotic vegetables like Broccoli	01				25	25	50	50
Export potential vegetables	01				25	25	50	50
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	02				50	50	100	100
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	01				25	25	50	50
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits	01				25	25	50	50
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								

Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition	01				25	25	50	50
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post-harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								

IV Livestock Production and Management								
Dairy Management	01				25	25	50	50
Poultry Management	01				25	25	50	50
Piggery Management								
Rabbit Management /goat	01				25	25	50	50
Disease Management	02				50	50	100	100
Feed management	02				50	50	100	100
Production of quality animal products	01				25	25	50	50
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	01				25	25	50	50
Design and development of low/minimum cost diet	01				25	25	50	50
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	01				25	25	50	50
Storage loss minimization techniques	01				25	25	50	50
Value addition	02				50	50	100	100
Income generation activities for empowerment of rural Women	01				25	25	50	50
Location specific drudgery reduction technologies	01				25	25	50	50
Rural Crafts								
Women and child care								
VI Agril. Engineering								
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								
VII Plant Protection								
Integrated Pest Management	02				50	50	100	100
Integrated Disease Management	02				50	50	100	100
Bio-control of pests and diseases	02				50	50	100	100
Production of bio control agents and bio pesticides	02				50	50	100	100
VIII Fisheries								
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								
IX Production of Inputs at site								
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								
X Capacity Building and Group Dynamics								
Leadership development	02				50	50	100	100
Group dynamics	01				25	25	50	50
Formation and Management of SHGs (HS)	01				25	25	50	50
Mobilization of social capital	01				25	25	50	50
Entrepreneurial development of farmers/youths (Agro.)	01				25	25	50	50
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	**45**	**0**	**0**	**0**	**1125**	**1125**	**2250**	**2250**

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2				45	35	80	80
Resource Conservation Technologies	1				25	25	50	50
Cropping Systems	1				25	25	50	50
Crop Diversification								
Integrated Farming	3				70	60	130	130
Water management								
Seed production	1				20	10	30	30
Nursery management	1				20	10	30	30
Integrated Crop Management	2				45	35	80	80

Fodder production								
Production of organic inputs	2				45	35	80	80
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	0	0	0	0	0	0	0	0
Off-season vegetables	1	0	0	0	20	10	30	30
Nursery raising	2	0	0	0	45	35	80	80
Exotic vegetables like Broccoli	1	0	0	0	25	25	50	50
Export potential vegetables	1	0	0	0	25	25	50	50
Grading and standardization	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	3	0	0	0	70	60	130	130
b) Fruits	0	0	0	0	0	0	0	0
Training and Pruning	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0
Cultivation of Fruit	2	0	0	0	45	35	80	80
Management of young plants/orchards	1	0	0	0	20	10	30	30
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Export potential fruits	1	0	0	0	25	25	50	50
Micro irrigation systems of orchards	1	0	0	0	20	10	30	30
Plant propagation techniques	0	0	0	0	0	0	0	0
c) Ornamental Plants	0	0	0	0	0	0	0	0
Nursery Management	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0

Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	1	0	0	0	25	25	50	50
e) Tuber crops	0	0	0	0	0	0	0	0
Production and Management technology	1	0	0	0	20	10	30	30
Processing and value addition	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0
Nursery management	1	0	0	0	20	10	30	30
Production and management technology	0	0	0	0	0	0	0	0
Post-harvest technology and value addition	0	0	0	0	0	0	0	0
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	3	0	0	0	65	45	110	110
Poultry Management	2	0	0	0	45	35	80	80

Piggery Management	0	0	0	0	0	0	0	0
Rabbit Management/goat	3	0	0	0	65	45	110	110
Disease Management	3	0	0	0	70	60	130	130
Feed management	3	0	0	0	70	60	130	130
Production of quality animal products	2	0	0	0	45	35	80	80
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	0	0	0	45	35	80	80
Design and development of low/minimum cost diet	2	0	0	0	45	35	80	80
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	2	0	0	0	45	35	80	80
Storage loss minimization techniques	1	0	0	0	25	25	50	50
Value addition	3	0	0	0	70	60	130	130
Income generation activities for empowerment of rural Women	2	0	0	0	45	35	80	80
Location specific drudgery reduction technologies	2	0	0	0	45	35	80	80
Rural Crafts	1	0	0	0	20	10	30	30
Women and child care	1	0	0	0	20	10	30	30
VI Agril. Engineering								
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								
VII Plant Protection								
Integrated Pest Management	4	0	0	0	90	70	160	160
Integrated Disease Management	4	0	0	0	90	70	160	160
Bio-control of pests and diseases	3	0	0	0	70	60	130	130
Production of bio control agents and bio pesticides	3	0	0	0	70	60	130	130
VIII Fisheries								
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								
IX Production of Inputs at site								
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								
X Capacity Building and Group Dynamics								
Leadership development	4	0	0	0	90	70	160	160
Group dynamics	2	0	0	0	45	35	80	80
Formation and Management of SHGs	2	0	0	0	45	35	80	80
Mobilization of social capital	2	0	0	0	45	35	80	80
Entrepreneurial development of farmers/youths	2	0	0	0	45	35	80	80
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	**87**	**0**	**0**	**0**	**1965**	**1545**	**3510**	**3510**
(B) RURAL YOUTH								
Mushroom Production	01				20	10	30	30
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								

Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01				20	10	30	30
Training and pruning of orchards								
Value addition	01				20	10	30	30
Production of quality animal products								
Dairying								
Sheep and goat rearing	01				20	10	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	01				20	10	30	30
Post-Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	**05**				**100**	**50**	**150**	**150**
(C) Extension Personnel								
Productivity enhancement in field crops	01				20	10	30	30
Integrated Pest Management	01				20	10	30	30
Integrated Nutrient management	01				20	10	30	30
Rejuvenation of old orchards								

Protected cultivation technology								
Formation and Management of SHGs	01				20	10	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	01				20	10	30	30
Livestock feed and fodder production								
Household food security	01				0	30	30	30
Women and Child care	01				0	30	30	30
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
D. Vocational Training	**7**	**0**	**0**	**0**	**100**	**110**	**210**	**210**
Total	**12**	**0**	**0**	**0**	**200**	**160**	**360**	**360**
G. TOTAL	**99**	**0**	**0**	**0**	**2165**	**1705**	**3870**	**3870**

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	30	1800	2700	4500	2	1	3	1802	2701	4503
Kisan Mela	02	400	600	1000	10	10	20	410	610	1020
Kisan Ghosthi	20	240	360	600	1	0	1	241	360	601
Exhibition	02	200	300	500	2	0	2	202	300	502
Film Show	30	600	900	1500	0	0	0	600	900	1500
Farmers Seminar	05	300	450	750	0	0	0	300	450	750

Workshop	05	160	240	400	12	0	2	172	240	402
Group meetings	13	120	180	300	2	0	2	122	180	302
Lectures delivered as resource persons	150	4200	6300	10500	0	0	0	4200	6300	10500
Scientific visit to farmers field	50	200	300	500	0	0	0	200	300	500
Diagnostic visits	25	140	210	350	0	0	0	140	210	350
Exposure visits	02	20	30	50	0	0	0	20	30	50
Ex-trainees Sammelan	02	20	30	50	0	0	0	20	30	50
Animal Health Camp	02	40	60	100	0	0	0	40	60	100
Soil test campaigns	02	60	90	150	2	0	2	62	90	152
Others	67	6220	9330	15550	0	0	0	6220	9330	15550
Total	407	14720	22080	36800	31	11	32	14751	22091	36832

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Major group/ Class	Crop	Area (ha)	Variety	Date of sowing / Planting	Date of harvest	Expected yield (Q)
Kharif 2024						
Cereals	Paddy	3.6	GNR-9/GR-17 (Sardar)/ GR-25 (Mahatma)/ Devalikolam	June - July	Sep. – Oct.	180
		1.6	Purna/Tapi	June - July	Sep. – Oct.	45
Pulses	Soybean	1.6	NRC-37	June - July	Sep. – Oct.	15
Millets	Finger Millets	0.2	GN-6	June - July	Sep. – Oct.	2
	Little Millets	0.2	GNV-3	June - July	Sep. – Oct.	2
Oil seed	Mustard	0.2	-	June - July		4
Vegetable	Indian bean	0.4	GNIB-22	Aug. – Sep.	Nov. – Dec.	3
	Turmeric	0.4	GNT-2	June - July	Sep. – Oct.	15

Rabi 2024						
Pulses	Gram	1.2	GG-5	Oct. – Nov.	Feb. – Mar.	6
		1.6	GG-6	Oct. – Nov.	Feb. – Mar.	8
		1.2	GG-8	Oct. – Nov.	Feb. – Mar.	6
Green manure	Sun hemp	1.2	Vijay	Oct. – Nov.	Feb. – Mar	5
Cereal	Wheat	0.5	GW-499	Oct. – Nov.	Jan. –Feb.	5
Summer 2024						
Cereals	Paddy	0.2	GNRH-2	Jan. – Feb.	May. – Jun.	3
Pulses	Green gram	3.2	GM-6/ GM-7	Jan. – Feb.	Apr.- May	12
			Total			**311**

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
Fruits	Mango	Kesar/Daseri/Nilam etc.	4000
	Guava	Local	500
Vegetables	Drumstick	PKV-1	2000
	Brinjal	Suratiravaiya	50000
	Tomato	GT-7	50000
	Chili	GVC-111	50000
	Tindola	-	500
		Total	**157000**

Bio-products

Sl. No.	Product Name	Species	Quantity	
			Kg	Lit

Bio Pesticides	-	-	-	-
Bio Fungicides	-	-	-	-
Bio Fertilizers	-	-	-	-
Any Other (Pl. specify)	Vermicompost	-	10000	-
	Panch-gavya	-	-	1200
	Jivamrut	-	-	1200
	Das-perni	-	-	1200
		Total	**10000**	**3600**

LIVESTOCK

Sl. No.	Type	Breed	Quantity (No.)
Cattle			
Goat	M/F	Surati	10
Sheep	-	-	-
Poultry	-	-	-
Pigs	-	-	-
Fisheries	-	-	-
Any Other (Pl. specify)	-	-	-
		Total	**10**

VALUE ADDED PRODUCTS

Crop / Commodity	Name of the product	Quantity to be prepared (kg or litre)	Sale value (Rs)
Fruit crops	-	-	-
Vegetables	-	-	-
Cereals and Millets	-	-	-
Oilseeds and pulses	-	-	-
Spices and condiments	-	-	-
Any other (Pl specify)	-	-	-
	Total	-	-

3.7. Action plan for management of KVK instructional farm

Total land with KVK	:	21.6 ha
Cultivable land	:	Irrigated: 08.50 ha and Rainfed: 00 ha
Micro-irrigation facility available at KVK	:	Yes / No.

S. No.	Name of crop	Area (ha)	Variety	Date of sowing /	Date of harvest	Expected yield (q)

				Planting		
1	Crops					
2	Fruit crops	2.00	Kesar, Mango mother block and Custard apple	-	-	-
3	Vegetable crops	0.50	Indian bean	Late kharif	Winter	0.8
4	Seed production	7.55	Paddy, Pigeon pea, Niger, Gram and Green gram	-	-	250
5	Fodder crops	0.50	Sorghum, Lucerne, Oat and Maize	-	-	400
6	Technology cafeteria*	-	-	-	-	-
7	Nutritional Garden*	0.10	Vegetables	-	-	2.00
9	IFS Model*	0.50	Goat breeding unit, Bio gas unit, Azolla unit, Mushroom unit, Vermicompost unit and Farm pond.	-	-	-

*May add separate table/information if necessary

4. Literature to be Developed/Published

A. Literature developed/published

Sr. No.	**Topic**	**Number**
1	Research paper each scientist (one)	10
2	Technical reports	25
3	News letters	05
4	Training manual all discipline	06
5	Popular article	12
6	Extension literature	20
7	E-publication	05
8	Any other (Please specify)	
	Total	83

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	DVD	About KVK, Narmada	01
2	DVD	Progressive farmers	05

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

S. No.	Type of social media platform	Title of social media	Number of Followers/ Subscribers
1	YouTube Channel	KVK Narmada	71
2	Facebook page/ Account	KVK Narmada	866
3	Mobile Apps	-	-
4	WhatsApp groups	12	1675
		Mushroom Grower	25
		Advisory plant protection	295
		ASCI Training	60
		Pasupalan @KVK	235
		Women's technology park	114
		TWTC Group	25
		Bagayatikhetinarmada	85
		GKMS_Narmada Dediapada	195
		GKMS_Narmada Sagbara	120
		GKMS_Narmada Nandod	267
		GKMS_Narmada Tilakwada	118
		GKMS_Narmada Garudeswar	136

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

Sr. No.	Title of success story / case study identified	Proposed month for case/story to be prepared/ developed
1.	Improved Variety of Soybean (NRC-37): A Promising variety to augment soybean productivity in tribal area	July-2024
2.	Entrepreneurship development through Mushroom cultivation	October – 2024

3.	Entrepreneurship development through Dairy Farming	December – 2024
4.	Entrepreneurship development through Poultry	November – 2024
5.	Kitchen Gardening: Improve nutritional security and supplements house hold income	November - 2024

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

A. Practicing Farmers

a) PRA
b) Group discussion
c) Field level observation

Rural Youth

a) PRA
b) Group discussion
c) Group meeting& Field level observation

In-service personnel

a) Discussion with extension workers
b) Discussion with line department officials
c) Discussion with NGOs

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

For FLD:

i) New variety/technology
ii) Poor yield at farmer's level
iii) Existing cropping system

5.3. Field activities

i. Name of villages identified/adopted with block name (from 2018-19)

S. N.	Taluka	Name of the block	Name of the village
1	Nandod	Nandod	Boridra, Aamali,Nanichikhali, Motichikhali.
2	Tilakwada	Tilakwada	Nimpura, Bunjetha, Utavadi, Gamod.
3	Sagbara	Sagbara	Nanadoramba, Motadoramba, Makran, NanaKakadiamba, Bodvav, Panchpipli
4	Dediapada	Dediapada	Almavadi, Navagam, Panuda, Nani Bedvaan, Soliya, RelvaBharada, Sabuti, Mathasar, Kanzari, Kokam,Vandri, Tabda, Bhutbeda, Khabji.
5	Garudeshvar	Garudeshvar	Fulvadi, Suka, Motiraval, Kali Makvana

ii. No. of farm families selected per village:

No. of farm families	Name of the village
20	Boridra, Aamali,Nanichikhali, Motichikhali.
20	Nimpura, Bunjetha, Utavadi, Gamod.
20	Palasavada,Umaral,Navagam,Javali,Kolvan,Ubhariya,Kherdipada,Barktura,
40	Nanadoramba, Motadoramba, Makran, Nana Kakadiamba, Bodvav, Nevdiamba, Dudhlivel, Kel
25	Kunbar, Rohda, Mulkapada,Vadva, babda
20	RelvaBharada, Sabuti, Moskut,Gavalawadi
25	Mathasar, Kanzari, Pankhala, Kokam,Vandri.
20	Tabda, Zankh, Sajanavav, Bhutbeda.
20	Khadganda, Dhamdra, Dhaniyala, Dhavali, Sajanpura, Songam.
25	Junvad, Fulvadi, Motiraval,Motaraipura, Suka, Nava vaghpara

iii. No. of survey/PRA conducted: 05

iv. No. of technologies taken to the adopted villages: 30

ICM, IPM, INM, IDM, Organic farming, Soil & water conservation, High tech horticulture, Small scale nursery management, Value addition, Health & Nutrition, Women empowerment, Drudgery reduction technology, Breeding/feeding/Dairy management of milch animals, Capacity building and Group dynamics.

v. Name of the technologies found suitable by the farmers of the adopted villages

Crops / enterprises	Names of Cluster Villages identified for intervention	Name of the technologies found suitable by the farmers of the adopted villages
Groundnut	Kham, Soliya, Almavadi, Siyali, Gajargota and Gopaliya	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Soybean	Almawadi, Soliya, Nani bedwan, Nana doramba, Kodabaa, Kel,	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Sesame	Almavadi, Sejpur, Gopaliya, Soliya, Siyali, Mota sukaamba	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Pigeon pea	Sejpur, Almavadi, Gopaliya, Panch Pipari, Amdala, Chikada	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Chickpea	Sejpur, Almavadi, Gopaliya, Panch Pipari, Amdala, Chikada and Khuradi	Improved variety, Fertilizer management including bio fertilizers, Bio Pesticides, Pheromone trap and lures, 'T' shaped bird perches.
Green gram	Almavadi, Sejpur, Bhatpur, Nana kakadiamba	Improved variety, Fertilizer management including bio fertilizers, Bio Pesticides, Pheromone trap and lures, 'T' shaped bird perches.
Black gram	Almavadi, Sejpur, Bhatpur, Nana kakadiamba	Improved variety, Fertilizer management including bio fertilizers, Bio Pesticides, Pheromone trap and lures, 'T' shaped bird perches.
Cotton	Nivalda, bhatpur, Almawadi, Sejpur, Navagam, Nanibedwan, Khokhraumar, Amadala	Improved variety, Micro nutrient, Pheromone, Trap, Acetamiprid, Neem oil 1500ppm, Bavaria bassiana
Paddy (Drilled) and (T.P.)	Jambar, Bandiservan, Almawadi, Soliya, Nani bedwan, Nana doramba, Kodabaa, Sorapada, Kel, Panchpipari, Soliya, Gopaliya and Pansar	Improved variety, Pheromone, Trap, Acetamipride, Neem oil 1500ppm, Bavaria bassiana
Maize	Tuver, Jambar and Navagam	Improved variety, Pheromone, Trap, Acetamipride, Neem oil 1500ppm, Bavaria bassiana
Wheat	Sejpur, Almavadi, Gopaliya, Panch Pipari, Amdala, Chikada	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides

	and Khuradi	
Chilli	Almavadi, Nivalda, Jargam, Ghankhetar, Gopaliya, Nanasukaamba and Soliya	Pseudomonas liquid
Brinjal	Almavadi, Khuradi, Soliya, Besana	Pseudomonas liquid
Indian bean	Sabuti, Ningath, Navagam, Soliya, Gopaliya and Gajar gota	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Watermelon	Khuradi, Gadh, Relva bharada, Kankhadi, Nani bedvan, Moti bedvan and Mohabi	Novel
Mango	Vedchha, Mathasar, Dunkhal, Andu, Arethi, Khuradi and Virpur	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Banana	Karatha, Rampura, Bhadam, Kalimakavana, Sundarpura and Lasakadi.	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Stalk puller	Soliya, Zankh, Nanisingloti, Besana, Gopaliya, Borsan,	Removal of stalk of cotton and pigeonpea
Electric Motor operated paddy thresher	Gopaliya, Borsan, Soliya, Guldachama, Bhatpur, Almawadi, Besana, Pratap pura, Taval and Khuradi	Electric Motor operated paddy thresher with winnowing fan
Twin wheel hoe	Nivalda, Bhatpur, Almawadi, Sejpur, Navagam, Nanibedwan, Khokhraumar and Kham.	Twin wheel hoe
Fodder Sorghum	Andu, Soliya, Gopaliya, Motasukha amba, Guldacham, Kham, Nanasukha amba, Tabada and khuradi	Improved variety, Fertilizer management including biofertilizers, Bio Pesticides
Rubber cow mat	Andu, Soliya, Gopaliya, Motasukha amba, Guldacham, Kham, Nanasukha amba, Tabada and khuradi	Rubber cow mat
Mineral Mixture	Andu, Soliya, Gopaliya, Motasukha amba, Guldacham,	Mineral Mixture Licking Block

Licking block	Kham, Nanasukha amba, Tabada and khuradi	
Kitchen garden	Nani sigloti, Navagam, Bhutbeda, Chikda and Kham	Seedlings of vegetables

vi. Impact (production, income, employment, area/technological– horizontal/vertical):

Production will be increased by adopting new technologies and there by income too. Employment will also be increased due to vocational and skill development trainings. Detail impact analysis will be done.

vii. Constraints if any in the continued application of these improved technologies:

- Hilly area with undulating land
- Uneven distribution of rainfall
- Lack of irrigation facility
- Lack of scientific knowledge
- Mostly farmers are marginal with small land holding
- Low adoption rate

6. LINKAGES

6.1. Functional linkage with different organizations

Sr. No.	Name of organization	Nature of Linkage
1.	Line Departments of Government of Agriculture/ Horticulture/ Animal Husbandry/ Fishery / department	Khedutsibir, Animal health camp, Sponsored training. In-service trainings and other extension activities, technical support, Participation in meeting
2.	AKRSP (I), NGO, Dediapada	Sponsored training, Mahilasibir, technical support
3.	Main Water Management Research Unit, NAU, Navsari	Collaboration-FLD on Low-Cost Greenhouse
4.	Research Stations, NAU	Participation-Farmers day, Seed-FLDs, etc.
5.	FTC, Rajpipla	Experts lectures
6.	Missionary – NGO	Sponsored training programme, extension activities
7.	Integrated Child Development	Organizing In-service training for Anganwadi

	Services	workers & Technical guest lecture for ICDS Training Centre.
8.	Navsari Agricultural University, Navsari	For Technical products, technical guidance and supports.
9.	Ananad Agricultural University, Anand	For Technical guidance and FLDs input
10.	Junagadh Agricultural University, Junagadh	For Technical guidance and FLDs input
11.	Reliance foundation, Netrang	For Trainings, extension activities and Self Employment training, seed mela
12.	Integrated water shed management programme, Dediapada	For Trainings, extension activities and Self Employment training
13.	Forest department, Dediapada	For Trainings, extension activities and Self Employment training
14.	Jilla ayojan vibhag, Narmada	For Trainings, extension activities and Self Employment training
15.	Prayojana vahivatdar kacheri, Rajpipla	For Trainings, extension activities and Self Employment training
16	GSFC, Dediapada	For Trainings, extension activities and Self Employment training
17	GNFC, Dediapada	For Trainings, extension activities and Self Employment training
18	Fodder research centre, Dhamrod	For Trainings, extension activities and Self Employment training
20	Salinity research centre, Bharuch	For Trainings, extension activities and Self Employment training
21	District Industries Center, Narmada	For Trainings, extension activities and Self Employment training
22	Indrekasanshthan, Dediapada	For Trainings, extension activities and Self Employment training
23	Fisheries department, Dediapada	For Trainings, extension activities and Self Employment training
24	NABARD Bank, Rajpipla	For Trainings, extension activities and Self Employment training
25	Swarojgar gramin bank, Rajpipla	For Trainings, extension activities and Self Employment training

6.2. Details of linkage with ATMA

Sr. No.	Programme	Nature of linkage

1	Trainings	Technical support, Experts lectures, extension activity etc.,
2	Farm school	Technical support, Experts lectures, extension activity etc.,
3	Kissan goshthi	Technical support, Experts lectures, extension activity etc.,
4	Krushi mela cum exhibition	Technical support, Experts lectures, extension activity etc.,
5	AGB meeting	Discussion for Annual Action plan
6	Quarterly meeting	Discussion Quarterly progress report and action plan

6.3. Give details of programmes under National Horticultural Mission: NIL

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

6.4. Nature of linkage with National Fisheries Development Board: NIL

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

6.5. Additional Activities planned including sponsored projects (NARI/DAESI/DAMU/ DFI/PKVY/ Skill Trainings/TSP/KKA/Seed Hub on Pulses, etc.) schemes during 2024, if involved.

6.5.1 Details of activities planned under DAMU - NA

6.5.2 Details of activities planned under NICRA.

Training programmes

Sr. No.	Activity	Target		Total
		On campus	Off campus	
1	**Training programme**	04	04	8
2	**Vocational training**	01	01	2

FLD									
S. N.	**Crop/ implements/ animals/**	**Variety / breed**	**Thematic area**	**Technology / input demonstration**	**Season and year**	**Area (ha)**	**No. of farmers**	**Parameters identified**	**Cost of input /RS**
1	Paddy	-	Drudgery reduction	Paddy thresher with winnowing fan	Kharif-2023	-	2	Ergonomics drudgery reduction parameters like physical hazards, muscle, stress, fatigue etc.	70,000
2	Cotton /pigeon pea	-		Stalk puller		-	15		15,000
3	Paddy / vegetables	-		twin wheel hoe			15		30,000
4	Power tiller	-		Power tiller	-	-	15		200000
5	Vegetables	-	Vegetables	Rack (Punjethi)	Kharif-2023		10		10,000
6	Indian bean	GNIB-22	ICM	Improved variety	Late Kharif-2023	-	20	Yield Q/ha Increased yield (%) B:C ratio	25000
7	Mango	KESAR/SONPARI	Varietal	Improved variety	Kharif 2023	-	20		25000
8	Cheeku	KALIPATTI	Varietal	Improved variety	Kharif-2023	10	25		15,000
9	Drumstick	PKM-1	Varietal	Improved variety	Kharif-2023	15 to each farmer	20		15,000
10	Kitchen garden	Seeds & seedlings of vegetables	Nutrition & Health management	Improved variety	Kharif-2023	10 to each farmer	10		15,000/
11	Cow / Buffelo		-	Rubber Cow mat	-		25	Comfort	75,000

12	Goat	Surati	-	Goat	Kharif - 2023	5	20	Breed improve	10500
13	Pigeon pea	GT-104	ICM	Improved variety	Kharif - 2023	30	75	Yield Q/ha Increased yield (%) B:C ratio	65000
14	Chickpea	GJG-5	ICM		Rabi – 2023	-	50		90000
15	Green gram	GM-6	ICM		Summer - 2023	30	75		100000
16	Soybean	NRC-37	ICM		Kharif - 2023	30	75		100000
17	Paddy (Drilled)	Purna/Tapi	Varietal			10	25		25000
18	Paddy (T.P.)	GNR-6 / GRH-2 / GAR-13	Varietal			30	75		50000
19	Cotton	Bt. H-8	Varietal			20	50		75000
20	Cotton	Bt. H-10	IPM	Pheromone trap with lures, Neem based pesticides, B. bassiana Acetamiprid.	Kharif - 2023	6	16	Mean population / plant Yield Q/ha Increased yield (%), B:C ratio	48000

6.5.3. Details of activities planned in Doubling Farmers' Income (DFI) villages

Name of the village	Total No. of families surveyed	Key interventions implemented	No. of farmers covered in each intervention	Change in income (Rs/unit)	
				Before	After
Almawadi	400	•Varietal replacement •Production technology of major crops especially INM •Eco-friendly plant protection measures •Water conservation •Arid horticulture •Dairy management through feeding, housing and Health management •Drudgery reduction •Women empowerment	125	25,000/- to 50,000/-	35,000/- to 70,000/-
Soliya	414		133	25,000/- to 50,000/-	35,000/- to 70,000/-

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

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

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

Sr. No.	Name of the village	Activities planned	No. of families to be covered
1.	Vandari	FLDs, Trainings, Extension activities etc.	25
2.	Mathasar	FLDs, Trainings, Extension activities etc.	25
3.	Vedachha	FLDs, Trainings, Extension activities etc.	25
4.	Anadu	FLDs, Trainings, Extension activities etc.	25

6.5.6. Details of skill trainings planned (sponsored by ASCI)

Sr. No.	Name of Job Role	Duration (No. of hours)	No. of participants
1.	Mushroom Grower	200	25
2.	Small Poultry Framers	200	25

6.5.7. Details of activities planned under TSP: N.A (As all activities will be under TSP)

Sr. No.	Name of the village	Activities planned	No. of families to be covered
1.	-	-	-

6.5.8. Details of activities planned under Krishi Kalyan Abhiyan (KKA)

Sr. No.	Name of the village	Activities planned	No. of families to be covered
1.	-	-	-

6.5.9. Details of seed production planned under Seed Hub on Pulses: NA

Sr. No.	Name of the crop	Variety	Stage (Foundation / Certified)	Quantity of seed to be produced (q)
1.	-	-	-	-
			Total	

6.6. Activities planned in respect of FPOs / FPCs

1. No. of FPOs / FPCs to be formed: One
2. No. of existing FPOs / FPCs to be facilitated: 02
3. Type of support to be provided to existing FPOs / FPCs:

No. of new FPOs / FPCs to be formed (No. members)	No. of already formed FPOs / FPCs if any with major commodities (No. of members)	Type of support to be provided by KVK
-	1. The Dediapada Vibhag Adivasi Khedut Vividhlaxi kharid vechan Mandali 2. The Nandod Vibhag Adivasi Khedut Vividhlaxi kharid vechan Mandali	A technical support to FPO

6.7. Activities planned in respect of developing Integrated Farming System (IFS) Models on farmers' fields during 2024: IFS module is under observation

Name of adopted village	No. of IFS models identified/ developed	Major components and area of IFS models
Vedacha & Karatha Ta – Dediapada, District – Narmada	1	1. Crop 2. Animal Hus. 3. Goat Farming 4. Fishery

7. Convergence with other agencies and line departments in the district:

Sr. No.	Name of the department / Agency	Type of convergence	Area (ha) / No. of farmers to be benefited
1.	Line Departments of Government of Agriculture/ Horticulture/ Animal Husbandry/ Fishery / department	Technical guidance and Organization of various programmes	1200
2.	AKRSP (I), NGO, Dediapada		300
3.	Main Water Management Research Unit, NAU, Navsari		100
4.	Research Stations, NAU		100
5.	FTC, Rajpipla		500
6.	Missionary – NGO		500
7.	Integrated Child Development Services		250
8.	Navsari Agricultural University, Navsari		500
9.	Ananad Agricultural University, Anand		300
10.	Junagadh Agricultural University, Junagadh		200
11.	Reliance foundation, Netrang		300
12.	Integrated water shed management programme, Dediapada		300
13.	Forest department, Dediapada		300
14.	Jilla ayojan vibhag narmada		100
15.	Prayojana vahivatdar kacheri, Rajpipla		100
16	GSFC, Dediapada		100

17	GNFC, Dediapada		200
18	Fodder research Centre, Dhamrod		100
20	Salinity research Centre, Bharuch		100
21	District Industries Center, Narmada		100
22	Indreka sanshthan, Dediapada		100
23	Fisheries department, Dediapada		200
24	NABARD Bank, Rajpipla		100
25	Swarojgar gramin bank, Rajpipla		100

8. Innovator Farmer's Meet 2024

Sl. No.	Particulars	Details	Expected No. of participants
1.	Khedut Shibir for Farm innovators were organized	October - 2024	50

9. Utilization of hostel facilities

Sr. No.	Month	No. of days to be utilized
1.	January	25
2.	February	25
3.	August	25
4.	September	25
5.	November	25
	Total	**125**

10. Details of online activities planned (If any)

Sr. 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	05	Video conferencing / Audio Conferencing	125
2.	Farmers scientist's interaction programme	08	Video conferencing / Audio Conferencing	160
3.	Farmers seminars	04	Video conferencing	120
4.	Expert lectures	15	Video conferencing / Audio Conferencing	400
5.	Any other (Pl. specify)			

11. Details of collaborative applied research projects planned if any

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs. In Lakhs)
Agriculture Research Station	2010	State	37.65
Niche crops (Pulse)	2010	State	3.00
Niche crops (Paddy)	2010	State	3.00
Niche crops (Sorghum)	2010	State	2.50
Tribal women training center	2011	State	30.62
Classified works tirbal area Dediapada	2022	State	4.00
Adaptive trial scheme	2012	State	11.25
TSP (Seed)	2010	State	0.40
DAMU	2018-19	ICAR	14.41
NICRA	2021	ICAR	7.16
RKVY-ASCI	2019	ICAR	0.53
NFSM- IRM - PBWM	2022	ICAR	1.79
FPO	2021	ICAR	1.87
Out scaling of natural farming trough KVKs	2022	ICAR	1.50
SAP	2022	ICAR	0.24
GEDA	2023	State	0.20

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	
Crop Production										
20-05-2024	PF/FW	Weed management in kharif crop	1				20	10	30	30
01-06-2024	PF/FW	Integrated Farming	1				20	10	30	30
16-07-2024	PF/FW	Seed production	1				20	10	30	30
05-08-2024	PF/FW	Nursery management	1				20	10	30	30
17-09-2024	PF/FW	Integrated crop Management	1				20	10	30	30
01-10-2024	PF/FW	Production and use of organic inputs	1				20	10	30	30
Horticulture										
09-06-2024	PF/FW	Off-season vegetables	1				20	10	30	30
10-07-2024	PF/FW	Nursery raising in vegetable crops	1				20	10	30	30
02-08-2023	PF/FW	Protective cultivation (Green House, Shade Net etc.	1				20	10	30	30
18-09-2024	PF/FW	Cultivation of fruit	1				20	10	30	30
16-10-2024	PF/FW	Management of young plants/orchards	1				20	10	30	30
23-11-2023	PF/FW	Micro irrigation systems of orchards	1				20	10	30	30
01-11-2024	PF/FW	Production and Management technology	1				20	10	30	30
17-12-2024	PF/FW	Nursery Management of M&A plants	1				20	10	30	30
Livestock production										

02-06-2024	PF/FW	Dairy Management	1				20	10	30	30
05-07-2024	PF/FW	Dairy Management	1				20	10	30	30
19-08-2024	PF/FW	Poultry Management	1				20	10	30	30
26-09-2024	PF/FW	Scientific goat farming	1				20	10	30	30
13-10-2024	PF/FW	Scientific goat farming	1				20	10	30	30
23-11-2024	PF/FW	Health care and Disease Management	1				20	10	30	30
22-12-2024	PF/FW	Feed Management	1				20	10	30	30
28-12-2024	PF/FW	Production of quality animal production	1				20	10	30	30
Agril. Engineering										
-	-	-	-				-	-	-	-
Home Science										
04-06-2024	PF/FW	Household food security by kitchen gardening and nutrition gardening	1				20	10	30	30
12-06-2024	PF/FW	Design and development of low/minimum cost diet	1				20	10	30	30
21-08-2024	PF/FW	Gender mainstreaming through SHGs	1				20	10	30	30
12-09-2024	PF/FW	Value addition in fruits and vegetables	1				20	10	30	30
20-09-2024	PF/FW	Income generation activities for empowerment of rural Women	1				20	10	30	30
23-10-2024	PF/FW	Location specific drudgery reduction technology	1				20	10	30	30
08-11-2024	PF/FW	Rural art/craft preparation from natural fibre	1				20	10	30	30
14-12-2024	PF/FW	Women and child care	1				20	10	30	30
Plan protection										
17-07-2024	PF/FW	Integrated Disease Management in kharif crops	1				20	10	30	30

30-07-2024	PF/FW	Integrated Pest Management in kharif crops	1				20	10	30	30
24-08-2024	PF/FW	Integrated Disease Management in rabi/summer crops	1				20	10	30	30
18-09-2024	PF/FW	Integrated Pest Management in rabi/summer crops	1				20	10	30	30
04-10-2024	PF/FW	Bio-control of pests and diseases	1				20	10	30	30
21-11-2024	PF/FW	Production of bio control agents and bio pesticides	1				20	10	30	30
Fisheries										
-	-	-	-				-	-	-	-
Production of Inputs at site										
-	-	-	-				-	-	-	-
Extension education										
08-06-2024	PF/FW	Leadership development	1				20	10	30	30
18-07-2024	PF/FW	Leadership development	1				20	10	30	30
21-08-2024	PF/FW	Group dynamics	1				20	10	30	30
27-9-2024	PF/FW	Formation and Management of SHGs	1				20	10	30	30
15-10-2024	PF/FW	Mobilization of social capital	1				20	10	30	30
05-11-2024	PF/FW	Entrepreneurial development of farmers/youths	1				20	10	30	30

ii) 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**	
Crop Production										
07-07-2024	PF/FW	Weed management	1				25	25	50	50
16-08-2024	PF/FW	Resource Conservation Technologies	1				25	25	50	50

04-09-2024	PF/FW	Cropping Systems	1				25	25	50	50
13-10-2024	PF/FW	Integrated Farming	1				25	25	50	50
20-11-2024	PF/FW	Integrated Farming	1				25	25	50	50
01-11-2024	PF/FW	Integrated Crop Management	1				25	25	50	50
21-12-2024	PF/FW	Use and Production of organic inputs	1				25	25	50	50
Horticulture										
19-06-2024	PF/FW	Nursery raising	1				25	25	50	50
0 4-06-2024	PF/FW	Exotic vegetables	1				25	25	50	50
23-07-2024	PF/FW	Export potential vegetables	1				25	25	50	50
18-08-2024	PF/FW	Protective cultivation (Green Houses)	1				25	25	50	50
21-09-2024	PF/FW	Protective cultivation (Shade Net)	1				25	25	50	50
07-10-2024	PF/FW	Scientific Cultivation in mango	1				25	25	50	50
01-11-2024	PF/FW	Export potential fruits	1				25	25	50	50
15-12-2024	PF/FW	Processing and value addition	1				25	25	50	50
Soil Health and Fertility Management										
-	-	-	-				-	-	-	-
Live Stock Production.										
07-06-2024	PF/FW	Dairy management and Clean milk production	1				25	25	50	50
15-07-2024	PF/FW	Poultry Management	1				25	25	50	50
25-08-	PF/FW	Goat Management	1				25	25	50	50

2024										
0 4-09-2024	PF/FW	Health care and Disease Management in goat	1				25	25	50	50
16-10-2024	PF/FW	Health care and Disease Management in poultry	1				25	25	50	50
21-11-2024	PF/FW	Animal Nutrition Management	1				25	25	50	50
29-11-2024	PF/FW	Feed & fodder technology	1				25	25	50	50
07-12-2024	PF/FW	Production of quality animal products	1				25	25	50	50
Agril. Engg.										
-	-	-	-				-	-	-	-
Home Sc.										
16-06-2024	PF/FW	Household food security by kitchen gardening and nutrition gardening	1				25	25	50	50
24-06-2024	PF/FW	Design and development of low/minimum cost diet	1				25	25	50	50
04-07-2024	PF/FW	Gender mainstreaming through SHGs	1				25	25	50	50
26-08-2024	PF/FW	Storage loss minimization techniques	1				25	25	50	50
20-09-2024	PF/FW	Value addition in vegetable	1				25	25	50	50
30-10-2024	PF/FW	Value addition in fruit	1				25	25	50	50
07-11-2024	PF/FW	Income generation activities for empowerment of rural Women	1				25	25	50	50
28-12-2024	PF/FW	Location specific drudgery reduction technologies	1				25	25	50	50
Plant Protection										
13-06-2024	PF/FW	Integrated Pest Management	1				25	25	50	50
20-07-	PF/FW	Integrated insect pests	1				25	25	50	50

2024		management in cotton								
04-08-2024	PF/FW	Integrated disease management of rabi crops	1				25	25	50	50
26-09-2024	PF/FW	Integrated Disease Management	1				25	25	50	50
07-10-2023	PF/FW	Production of bio control agents and bio pesticides	1				25	25	50	50
27-11-2023	PF/FW	Bio-control of pests and diseases	1				25	25	50	50
18-12-2023	PF/FW	Production of bio control agents and bio pesticides	1				25	25	50	50
23-12-2023	PF/FW	Bio-control of pests and diseases	1				25	25	50	50
Fisheries										
-	-	-	-				-	-	-	-
Production of Inputs at site										
-	-	-	-				-	-	-	-
Extension education										
14-06-2024	PF/FW	Leadership development	1				25	25	50	50
28-07-2024	PF/FW	Group dynamics	1				25	25	50	50
14-08-2024	PF/FW	Formation and Management of SHGs (HS)	1				25	25	50	50
08-09-2024	PF/FW	Mobilization of social capital	1				25	25	50	50
05-10-2024	PF/FW	Entrepreneurial development of youths (Agro.)	1				25	25	50	50
21-11-2024	PF/FW	Leadership development	1				25	25	50	50
Agro-forestry										
-	-	-	-				-	-	-	-

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	
Small scale Processing	Income generation by	Processing of pigeon	Jul.	7				20	10	30	30

	imparting skill training.	pea and moong									
Product development	Income generation by imparting skill training.	Nutritious product development through millets	Aug.	7				20	10	30	30
Nursery Management of Horticulture crops	Income generation by imparting skill training.	Low cost Nursery	Sep.	7				20	10	30	30
Mushroom unit	Income generation by imparting skill training.	Low cost Mushroom cultivation	Oct.	7				20	10	30	30
Goat rearing	Entrepreneurship development	Goat rearing	Nov.	7				20	10	30	30

iii) Training programme for extension functionaries

Date	Clientele	Title of the training programme	Duration (days)	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
30-06-24	PF	Integrated Pest Management	1				20	10	30	30
15-07-24	PF	Productivity enhancement in field crops	1				20	10	30	30
26-08-24	PF	Formation and Management of SHGs	1				20	10	30	30
13-08-24	PF	Integrated Nutrient management	1				20	10	30	30
16-09-24	PF	Household food security	1				0	20	20	20
13-12-24	PF	Women and Child care	1				0	30	30	30
28-12-24	PF	Management in farm animal	1				20	10	30	30

iv) Sponsored programmes

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	
a) Sponsored training programme											
1	ATMA, reliance Foundation, AKRSP, TSP-NAU	-	Scientific cultivation of various Crops, Integrated disease and Pest management of crops, Value addition	20	300	150	450	300	150	450	450
			Total	**20**	**300**	**150**	**450**	**300**	**150**	**450**	**450**

Annexure – II

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

S. No.	Particulars	Proposed BE 2024 (Rs.)
1	**Recurring Contingencies**	
1.1	**Pay & Allowances**	**120**
1.2	**Traveling allowances**	**2.50**
1.3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**30**
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
G	Training of extension functionaries	
H	Maintenance of buildings	
I	Establishment of Soil, Plant & Water Testing Laboratory	
J	Library	
	TOTAL Recurring Contingencies	**152.50**
2	**Non-Recurring Contingencies**	
2.1	**Works (Shed and Boundary)**	**50.0**
2.2	**Equipments/implements etc (Tractor)**	**5.0**
2.3	**Vehicle** (Four-wheeler/Two-wheeler, please specify)	**0.00**
2.4	**Library** (Purchase of assets like books & journals)	**0.00**
	TOTAL Non-Recurring Contingencies	**55.0**
3	**REVOLVING FUND**	**0.00**
	GRAND TOTAL	**202.50**