

ANNUAL ACTION PLAN

(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, AMBHETI Ta. Kaparada Di. Valsad Via. Vapi Gujarat Pin. 396 191	Office	FAX	<u>kvkvalsad@gmail.com</u>	www.kvkvalsad.org
	--	--		

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

Address	Telephone		E mail	Website address
	Office	FAX		
Gujarat Vidyapith Ashram road AHMEDABAD Pin. 380 014	(1) 079 2754 5044	079 2754 25 47	registrar@gujaratvidyapith.org	www.gujaratvidyapith.org
	(2) 079 2754 1148			

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. R. F. Thakor	--	94271 29451	<u>rthakor1965@yahoo.co.in</u>
	--		

1.4. Date and Year of sanction: Sanction letter F. No. 5 (108) / 90 - KVK 28th March 1991

Year of Establishment : 21th Sept., 1992

1.5. Staff Position (as on December, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
					Basic Pay	Current Basic		
1.	Senior Scientist and Head	Dr. R.F.Thakor	9427129451	Ext . Edu.	144200	218200	19/05/01	
2.	Subject Matter Specialist	Sh. K.A.Patel	9426889148	Pl. Prot.	78800	130400	28/02/94	
3.	Subject Matter Specialist	Sh. A.R.Patel	9428381449	Ext . Edu.	78800	130400	23/01/96	
1.	Subject Matter Specialist	Sh. L.T.Kapur	8980619497	Soil Science	78800	99800	16/12/06	
2.	Subject Matter Specialist	Sh. M.M.Gajjar	9909761181	Agronomy	67700	76200	17/09/13	
4.	Subject Matter Specialist	--		Horti.	--	--	--	
3.	Subject Matter Specialist	Smt. P.R.Ahir	9429450875	Home Sci.	56100	80000	01/05/01	
5.	Programme Assistant	Sh. B.M.Patel	9427141759	Ani .Sci.	56100	75400	02/12/02	
4.	Computer Programmer	Sh. P.J.Joshi	9426816616	Agri. Engg.	56100	80000	23/12/02	
5.	Farm Manager	Sh. P.R.Patel	9687636758	Farm manager	56100	77700	01/05/01	
6.	Accountant/Superintendent	Sh. C.D.Patel	9727928272	Accountant	35400	47600	27/09/13	
7.	Stenographer	Sh.V.B.Patel	9429118438	Stenographer	35400	53600	01/11/99	
6.	Driver 1	Sh. R.D.Rohit	9726925033	Driver	29200	39200	16/06/08	
7.	Driver 2	Sh. H.G.Valand	7990870661	Driver	29200	37000	01/08/09	
8.	Supporting staff 1	Sh. A.R.Patel	9537558272	Attendant	21700	35000	01/11/99	
9.	Supporting staff 2	--		Farm Attendant	--	--	--	

1.6. Total land with KVK (in ha): 20 ha.

S. No.	Item	Area (ha)
1	Under Buildings	2.0 ha.
2.	Under Demonstration Units	1.0 ha
3.	Under Crops	8.0 ha
4.	Horticulture	6.0 ha
5.	Others if any (Specify)	3.0 ha.

1.7. Infrastructural Development:

A) Buildings

Sr. 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 /GVP	1998	720 Sq.mt	2874422	--	--	--
2.	Farmers Hostel	ICAR		138 Sq.mt		--	--	--
3.	Staff Quarter	ICAR	1999	154 Sq.mt	1585055	--	--	--
4.	Demonstration Units -- Dairy Demo. Unit	ICAR , TSP ,Valsad	2006	100 Sq.mt	204312	--	--	--
5	Fencing	--		--		--	--	--
6	Bore well	ICAR	2012	300 ft	497095	--	--	--
7	Threshing floor	ICAR	2006	100 Sq.mt	123818	--	--	--
8	Farm godown	ICAR	2010	100 Sq.mt	373168	--	--	--
9	Implement shed	ICAR	2011	140 Sq.mt	300000	--	--	--
10	Soil-water testing lab.	ICAR	2007	--	612387	--	--	--
11	Plant Health Clinic	ICAR	2012	--	999953	--	--	--

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Tractor	2019	6,50,000	1551 hrs.	Working condition.
Tractor Trolley	2019	1,50,000	--	Working condition.
Jeep (Bolero)	2022-23	8,31,291	10152	Working condition
Power tiller	2010	1,55,500	--	Working condition.
Motor Cycle	2011	49995	22655	Working condition.

C) Equipment & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Computer -2	2007 & 2010	1,02,270 +50,000	Working condition.
L C D	2007	75,400	Working condition.
Lap Top -2	2007 & 2012	51,750	Not working. Needs replacement/ Later in Working condition.
P A S system	2009	28057	Working condition.
Handicam	2009	12990	Working condition.
Generator set	2009	37972	Working condition.
LED –Sony TV	2015	52000	Working condition.

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

Sl.No.	Particulars	Proposed date of meeting
1	Scientific Advisory Committee Meeting	March-2024

2. DETAILS OF JURISDICTION AREA UNDER KVK (No. of Blocks) : 06

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

S. No	Farming system/enterprise
1	Agriculture farming systems
2	Agri - Horti farming systems
3	Agri – Horti -Dairy farming systems
4	Agri - Silviculture farming systems

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

S. No.	Agro-climatic Zone (Planning Commission)	Characteristics
1	South Gujarat Heavy Rainfall Zone -I	Annual Average rainfall 2000-2200 mm
2		Black to medium black soil.
3		Sticky and Heavy soil.
4		Stip slopes cause heavy runoff of rain water resulting into soil erosion.

a) Topography

S. No.	Agro ecological situation	Characteristics
1	Agro-ecological situation – I & II	Costal belt - Western part
2		Medium black to black soil
3		Hilly ,Shallow ,Undulating land – Eastern part

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Shallow soil	- Poor fertility & water holding capacity.	--
2	Medium black to black soil	- Sticky and Heavy in nature.	--
3	Hilly ,Shallow ,Undulating land	- Non fertile and mostly non agril land	--
4			2,94,412 ha.

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

S. No	Crop	Area (ha)	Production (000 T)	Productivity (Kg/ha)
	Major Field crops			
1	Paddy Kharif	75689	293907	3883
2	Paddy summer	840	3965	4720
3	Total Paddy	76529	297871	8603
4	Ragi (Finger millet)	1929	1307	677
5	Vari	25	16.25	650
6	Pigeon Pea	6042	5740	950
7	Urid	3560	1947	547
8	Mung	82	41	500
9	Gram	3168	2527	798
10	Other pulses - kharif	865	519	600
11	Other pulses -rabi	5145	3361	653
12	Total other pulses	6010	3880	1253
13	Groundnut	7	5.6	800
14	Niger	385	270	700
15	Sugarcane	5929	429358	72417
16	Vegetables (Rabi)	5563	113161	20342
17	Fodder(Rabi)	4604	92310	20050
	Major Horticultural crops			
	(a) Fruit crops			
1	Mango	26.250	157.50	6000
2	Chiku	3.345	32.513	9720
3	Banana	0.770	43.274	56200
4	Papaya	0.145	6.254	43130
5	Cashewnut	5.590	18.11	3240
6	Coconut	2.930	29.30	10000
	Total	39030	286.94	
	(b) Vegetable crops			
1	Brinjal	1.625	26.00	16000
2	Okra	1.620	16.20	10000

3	Tomato	1.405	29.50	21000
4	Cucurbits	2.831	62.28	22000
5	Chilly	0.1	1.14	11400
	Total	7.575	135.12	

Source: 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	31.21	10.31	100	33.39
February	0	0	36.25	11.14	98.75	17.36
March	0	0	35.43	17.12	96.65	27.03
April	11.50	1	36.78	20.12	97.43	30.67
May	1.5	0	37.29	23.89	99.16	38.71
June	476	08	35.09	25.96	97.47	56.83
July	1313	30	30.02	25.38	100	89.65
August	137.50	16	31.14	25.22	100	81.32
September	280.50	14	32.19	24.46	100	81.73
October	0	00	35.85	21.36	100	49.06
November	19.50	02	34.94	18.05	100	39.60
December	0	00	33.29	16.00	100	39.48
Total	2239.5	71	-	-	-	-

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

Category	Population (No)	Production	Productivity
Cattle			
Crossbred	38869	26.31	6.137
Indigenous	208732	43.62	1.884
Buffalo	96487	35.45	3.014
Sheep	3433	--	--

Category	Population (No)	Production	Productivity
Goats	105094	--	--
Poultry	773599	--	--

Source: District Panchayat,Valsad

2.7. Details of Operational area / Villages

Taluka / Block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Kaparada	Dhodhadkuva, Kakadkopar, Sukhala, Veribhavada, Amdha, Chavshala, Ambheti, Varoli, Chepa, Moti Palsan, Shahuda, Chandvegan, Khuntali, Panas, Arnai, Kaprada, Karjun, Manala, Motapondha, Ozar	Paddy ,Fingermillet, Pulses, Mango, Cashewnut Vegetables , Micro irrigation & Dairy.	Low productivity in all crops. Non availability of improved seeds. Shortage of labour. Heavy infestation of weeds. Water scarcity. Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
Dharampur	Nanivahiyal, Mamabhacha, Singartati, Kakadkuva, Sadadvera, Samarsingi, Lakadmal, Bhensdara	Paddy , Mango, Pulses, Cashewnut Vegetables & Dairy .	Low productivity in all crops. Non availability of improved seeds.Heavy infestation of weeds. Water scarcityPoor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
Pardi-Vapi	Samarpada, Pati, Chival, Asma, Nimakhal, Arnala, Panchlai, Goima, Motikachaval, Rabadi, Rabadi, Nevari, Sondhalwada, Tarmaliya, Barai, Ambach, Lakhmapor, Sarodhi, Sonwada	Paddy ,Sugarcane, Pulses, Vegetables , Mango & Dairy.	Low productivity in all crops. Non availability of improved seeds.. Heavy infestation of weeds. Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
Umargam	Saronda, Borigam, Valvada, Biliya	Paddy ,Mango, Sugarcane & Vegetable.	Low productivity in all crops Shortage of labour. Water scarcity, Soil salinity.	ICM ,INM, IPM, IWM

Valsad	Ozar, Kachigam, Jujva, Parnera Pardi, Kochvada, Dulsad, Dhamdachi	Paddy ,Mango, Sugarcane, Pulses & Vegetable.	Low productivity in all crops. Heavy infestation of weeds. Shortage of labour.Soil salinity, Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
--------	--	---	--	---

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Paddy	Varietal evaluation ,ICM, IWM, INM, IPM
Fingermillet	Varietal evaluation ,ICM, IWM, INM, IPM
Greengram, Chickpea, Indianbean, Pigeonpea	Varietal evaluation ,ICM, IWM, INM, IPM
Cucurbits	Varietal evaluation, Integrated Pest & Disease Management, INM.
Sugarcane	Varietal evaluation ,ICM, IWM, INM, IPM
Brinjal, Chilli	Varietal evaluation ,ICM, IWM, INM, IPM
Fodder crops	Varietal evaluation ICM, IWM, INM, IPM
Livestock	Feed & fodder mgt., Integrated livestock mgt.
Women Empowerment	Income generation activities
Household Nutrition Security	Nutrigarden
Farm machinery	Care and maintenance of farm implements

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
07	90	100	700

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
Farmers/ farm women - 85	2215	Field day - 05	255
Rural Youth - 04	95	Kisan mela - 01	415
Extension Functionaries -06	150	Kisan gosthi - 06	366
Sponsored Trainings - 08	305	Exhibition - 02	1014
Total - 95	2765	Film show - 05	100
		Farmers Seminar - 05	610
		Group meetings – 10	150
		Lectures in other programme – 15	1830
		Celebration of important days - 4	307

Seed Production (Qtl.)	Planting material (Nos.)	Livestock, poultry strains and Fish seed prod. (No's)	Soil, water and plant Samples
(5)	(6)	(7)	(8)
Paddy – 60 qt.	Veg. seedlings – 1,25,000 nos	--	Soil Sample - 500
Sugarcane – 100 qt.	Fodder Toussecks – 5,000 nos.	--	Water Sample - 300
		--	

3.1. B. Operational areas details proposed during 2024

S. N	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1	Paddy	Non availability of improved seeds. Infestation of pest & diseases Unbalance nutrient management	--	Sadadvera, Samarsingi, Chival, Arnala, Goima, Nimkhal	FLD, OFT, Training, Extension Activities
2	Gram, Indianbean	Non availability of improved seeds. Heavy infestation of weeds, IPM	--	Pati, Dhodhadkuva, Panchalai Sadadvera	FLD, Training, Field day
3	Greengram	Non availability of improved seeds.		Panchlai, Dhodhadkuva	FLD,,OFT, Training
4	Pigeon pea	Non availability of improved seeds. Heavy infestation of weeds	--	Panchlai, Arnala, Khuntali	FLD, Training, Field day
5	Mango	Heavy infestation of fruit fly & hopper	--	Nanivahiyal, lakhmapore	FLD, Training
6	Sugarcane	Non availability of improved seeds. Shortage of labour	--	Khuntali	FLD, Training
7	Finger millet	Non availability of improved seeds. INM, IPM	--	Chandvegan, Veribhavada, Chepa, Motipalsan	FLD, Training
8	Brinjal, Bittergourd	Non availability of improved seeds. Heavy infestation pest & diseases, INM	--	Varoli, Chandvegan, Ozarada	FLD, Training
9	Livestock production	Low milk yield, Feed management, Shortage of green fodder	--	Sukhala, Khuntli, Amdha , Chival, Panas, Pati, Ambheti	FLD, ,OFT, Training,

* 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	01		01							02
Integrated Nutrient Management	02									02
Integrated Pest Management						01				01

Integrated Disease Management			01						01
TOTAL	03		02			01			06

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	12ermin culture	Fisheries	TOTAL
Nutrition Management	01							01

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

Sr. No.	Crop/ enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial (Rs)	No. of trials	Total cost for the intervention (Rs.)	Parameters to be studied	Team members
1	Paddy	Low yield of Kharif Paddy.	Assessment of Paddy variety for Kharif cultivation	T1 : Use of local variety with local practices T2 : Use of Sardar Variety with improved practices T3 : Use of GR-23(Bio fortified) Variety with improved practices	NAU, Navsari	1.Seed of Improved variety (Sardar) 1. 2. Seed of Improved Variety (GR-23) Bio fortified	1.Seed of Sardar @ 30 kg/ha 2. Seed of GR-23 @ 30 kg/ha	240	10	2400	Plant height, Productive tillers/hill. Grain yield B:C ratio	03
2	Green gram	Low yield of Summer Green gram.	Assessment of Green gram variety for Summer cultivation	T1 : Use of local variety with local practices T2 : Use of GM-6 Variety with improved practices T3 : Use of GAM-8 Variety with improved practices	NAU, Navsari AAU, Anand	1. Seed of Improved variety (GM-6) Seed of Improved variety (GAM-8)	<ul style="list-style-type: none"> Seed of GM-6 @ 20 kg/ha Seed of GM-7 @ 20 kg/ha 	560	10	5600	Plant height, No of branches per plant Number of pod per plant, Grain yield (q/ha), B:C ratio	03

3	Calf starter feed	Higher cost of calf rearing.	Assessment of cost effective feed for crossbred calf.	T ₁ -Farmer practice <10 % of body weight milk feed to calf up to 24 week of age. (Farmer practice) T ₂ : 10 % of body weight milk feed to calf up to 12 week of age T ₃ : Milk + Calf starter feed feeding	<ul style="list-style-type: none"> GAU, ANAND NDDDB , ANAND 	Calf starter feed (Vardan made by AMUL)	60 kg	1800 (600 Rs / 20 kg Bag)	10	18000	Growth and health of calf	02
4	Paddy	Low production of kharif paddy	Assessment of application of IFFCO Nano urea in kharif paddy	T ₁ -Farmer practice (177:86:00 kg NPK/ha) T ₂ – Recommended Dose of Fertiliser (RDF)(100:30:00 kg NPK/ha) with urea T ₃ - 00:30:00 + spraying of IFFCO nano urea @ 4ml /lit at active tillering or 20-25 Days after Transplanting) and 2 nd spray at 45 to 50 DAT or before flowering in the crop.	IFFCO and SAU	Seed Nano urea	6 kg 1 lit	180.00 <u>500.00</u> 680.00	20	13600	1.No. of tiller 2.Yield 3. Soil fertility 4. B:C ratio	03
5	Paddy	Low production of kharif paddy	Assessment of application of silicon in kharif paddy	T ₁ -Farmer practice (177:86:00 kg NPK/ha) T ₂ – Recommended Dose of Fertiliser (RDF)(100:30:00 kg NPK/ha) with urea T ₃ - Recommended Dose of Fertiliser (RDF)(100:30:00 kg NPK/ha) + Spraying of 1.5 %	NAU, Navsari	1. Seed 2. Potassium silicate	6 kg 500 gm	180.00 <u>320.00</u> 500.00	20	10,000	1.No. of tiller 2.Yield 3. Soil fertility 4. B:C ratio	03

				potassium silicate at 20-25 Days DAT and at 45 to 50 DAT								
6	Mango	Low yield of mango	Assessment of biopesticides for management of hoppers in mango	<p>T1 : Arbitrary use of pesticides i.e. Imidachloprid 17.8 SL@ 3 ml/10 (Farmers practices)</p> <p>T2 : Spray of <i>Verticillium lecanii</i> @ 50 g/ 10 lit as first spray at panicle initiation stage followed by second and third spray at 7 days interval, fourth spray at pea stage and fifth at marble stage</p> <p>T3 : Spraying of <i>Beauveria bassiana</i> @ 40 g/10 lit</p>	Reco. : AES, NAU, Paria, 2019	<p>1. <i>Verticillium lecanii</i></p> <p>2. <i>Beauveria bassiana</i></p> <p>3. Imidachloprid</p>	<p>5 kg</p> <p>3 kg</p> <p>200 ml</p>	<p>1000</p> <p>600</p> <p>300</p>	10	19000	<p>1. Incidence of Pest & its damage on crop,</p> <p>2. Yield (q/ha),</p> <p>3. B:C ratio</p>	02
7	Chickpea	Low yield of chickpea	Assessment of biopesticides for management of wilt disease in chickpea	<p>T1 : Farmers practices (Carbendazim 50%WP @ 10 g/10 lit.)</p> <p>T2 : <i>Trichoderma viridi</i> 1.5% WP (2 x 10⁶ cfu/g) 10 g/kg seed treatment and its two time soil treatment 2.5 kg/250 kg FYM/ha at the time of sowing and at the time of 50%</p>	NAU, Waghai, Year : 2021	<p>Carbendazim</p> <p><i>Trichoderma viridi</i></p> <p><i>Pseudomonas fluorescens</i></p>	<p>100 gm</p> <p>250 g</p> <p>250 g</p>	<p>2500 Rs</p> <p>2000 Rs</p> <p>2000 Rs</p>	10	6500	<p>1. Incidence of disease & damage (%)</p> <p>2. Yield (q/ha),</p> <p>3. B:C ratio</p>	02

				flowering stage. T3 : Pseudomonas fluorescence 1.5% Liquid (NAU strain) (1 x 10 ⁸ cfu/g) as per T2									
--	--	--	--	---	--	--	--	--	--	--	--	--	--

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	Paddy	GR-17 (Sardar)	ICM	Improved variety Seed Line sowing,	Seed – 30 kg/ha -30000 Rs	Kharif-2024	25	125	Yield, B:C ratio
2	Paddy	GNR-9 (Gulabshahi)	ICM	Improved variety, Line sowing	Seed – 30 kg/ha - 6000 Rs	Kharif-2024	05	25	Yield, B:C ratio
3	Indianbean	Guj. Val-2	ICM	Improved variety, Line sowing,	Seed -20 kg/ha -10000 Rs	Rabi-2024-25	05	25	Yield, B:C ratio
4	Chickpea	GJG-6	ICM	Improved variety, Line sowing,	Seed – 70 kg/ha - 32,000 Rs	Rabi-2024-25	05	50	Yield, B:C ratio
5	Green gram	GM-7	ICM	Improved variety, Line sowing	Seed – 20 kg/ha - 22000 Rs	Summer-2025	10	50	Yield, B:C ratio
6	Paddy	Sardar	INM	Nutrient mgt.	Novel- Spray (03) @10 lit/ha. -8000 Rs.	Kharif-2024	05	25	Yield, B:C ratio
7	Brinjal	DPR	INM	Nutrient mgt.	Mix micronutrients @ 25kg/ha. (450Rs/10kg) - 5625 Rs.	Rabi-2024-25	05	25	Yield, B:C ratio
8	Paddy	Sardar	INM	Ghanjivamrit	Ghanjivamrit- @400 kg/ha. 8000 Rs.	Kharif-2024	02	10	Yield, B:C ratio, soil fertility
9	Sugarcane	CoN-15073	ICM	Improved variety, Seed treatment, INM	Seed (5 tone/ha) – 19,500 Rs LBF – Acetobacter 2.7 lit/ha – 270 Rs. LBF- PSB 2.7 lit/ha – 270 Rs. LBF- KMB 2.7 lit/ha – 270 Rs.	Rabi-2024-25	01	10	Yield, B:C ratio
11	Fingermillet	Guj.Nagli-9 (GIRA)	ICM	Improved variety, Mgt. of stem borer and blast	Seed - 5 kg/ha - 4000 Rs Vermicompost-2500kg (6Rs/kg) 15000 Rs	Kharif-2024	20	100	Yield, Damage, B:C ratio
12	Bittergourd	F1 (Akash)	ICM	Improved variety, Mgt. of fruit fly & Diseases.	Seed @ 1 kg/ha (440Rs/ 50g Pkt.) -22000 Rs. Fruit fly traps @10 Traps/ha –1750 Rs. Neem oil - 1.5 lit/ha (680Rs/Lit) 2550 Rs.	Kharif-2024	2.5	25	Yield, B:C ratio

13	Fodder sorghum, Rajka Bajri	SSG-501 Rangeela	ICM	Improved variety	Seed – @ 70 kg/ha. (82 Rs/ kg) 30000 Rs	Rabi-2024-25	10	100	Fodder yield
----	-----------------------------	------------------	-----	------------------	--	--------------	----	-----	--------------

Sponsored Demonstration – Nil

C. Details of FLD on Enterprises

Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Soil Moisture Indicator	Banana/Vegetables	Summer-2024	10	5	Soil Moisture Indicator	Water Saving
		Total	10	5		

a. Livestock and Fisheries Enterprises - Nil

A. Other Enterprises (Mushroom, Apiculture, Sericulture, Vermi compost, Value Addition, Women empowerment, etc)

Enterprise	Technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators
Mushroom	Pleurotus spp.	50	50	Seed and Plastic bags- (1000 Rs / unit) – 45000 Rs	Yield, B:C ratio
Plug nursery	-	25	25	Plastic Tray- 40 no/ unit (15 Rs/ tray) – 15000 Rs.	Yield, B:C ratio
Kitchen garden	Seeds & seedlings of different vegetables	25	25	Seed and seedlings of different vegetables – 2500 Rs	Yield, B:C ratio
Vermi compost	Eisenia foetida	20	20	Earthworms 2 kg /unit (200Rs/kg) -8000 Rs.	Yield, B:C ratio

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								
Integrated crop management	09	--	--	--	180	130	310	310
II Horticulture								
Cultivation of Fruit crops	01	--	--	--	25	--	25	25
Cultivation of vegetables	01				15	10	25	25
Nursery Management	02	--	--	--	40	10	50	50
III Soil Health and Fertility Management								
Production and use of natural farming inputs	01	--	--	--	15	10	25	25
Micro nutrient deficiency in crops	01	--	--	--	15	10	25	25
Soil and Water Testing	01	--	--	--	15	10	25	25
Soil management	01	--	--	--	15	10	25	25
Nutrient management	01	--	--	--	15	10	25	25
IV Livestock Production and Management								
Dairy management	02	--	--	--	10	40	50	50
Feed management	03	--	--	--	15	60	75	75
Disease management	01	--	--	--	05	20	25	25
V Home Science/Women empowerment								
Entrepreneurship development	02				--	50	50	50
Vermicomposting	01				--	25	25	25
Mushroom Cultivation	02				--	50	50	50
Value addition	01				--	25	25	25

Nutritional Garden	04				--	100	100	100
VI Agril. Engineering								
Advantages of micro irrigation systems	01	--	--	--	25	--	25	25
Efficient Use of water Through PIM	01	--	--	--	25	--	25	25
Farm mechanization	01	--	--	--	25	--	25	25
Water management through use of Moisture Indicator	01	-	--	--	25	--	25	25
VII Plant Protection								
Integrated pest –disease management	03	--	--	--	75	-	75	75
Bio-control for pests and diseases	01	--	--	--	25	-	25	25
X Capacity Building and Group Dynamics								
Leadership development	01	--	--	--	20	05	25	25
Formation and management of SHGs	02	--	--	--	10	40	50	50
TOTAL	45				595	615	1210	1210
(B) Rural Youth								
Power tiller repair and maintenance	01	--	--	--	20	-	20	20
Nursery management	01	--	--	--	05	20	25	25
Mushroom Production	02	--	--	--	10	40	50	50
TOTAL	04				35	60	95	95
(C) Extension Personnel								
Integrated management of rat	01	--	--	--	25	-	25	25
Nutritional gardening	01	--	--	--	--	25	25	25
Formation of FIGs	01	--	--	--	25	--	25	25
TOTAL	03	--	--	--	50	25	75	75
G. Total	52				680	800	1380	1380

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	03	--	--	--	45	30	75	75
Water management	01	--	--	--	15	10	25	25
Nursery management	02	--	--	--	30	20	50	50
II Horticulture								
Production of fruit crops	02	--	--	--	30	20	50	50
Off-season vegetables	02	--	--	--	30	20	50	50
III Soil Health and Fertility Management								
Soil management	01	--	--	--	15	10	25	25
Nutrient Management	03	--	--	--	45	30	75	75
Production and use of natural farming inputs	01	--	--	--	15	10	25	25
Soil and Water Testing	01	--	--	--	15	10	25	25
IV Livestock Production and Management								
Dairy management	01	--	--	--	05	20	25	25
Feed management	01	--	--	--	05	20	25	25
Disease management	01				05	20	25	25
V Home Science/Women empowerment								
Value addition	01	--	--	--	--	25	25	25
Nutritional gardening	04	--	--	--	--	100	100	100
Mushroom production Technology	02	--	--	--	--	50	50	50
Entrepreneurship Development	02	--	--	--	--	50	50	50
VI Agril. Engineering								
Soil and water conservation	01	--	--	--	30	--	30	30

Drudgery reduction	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
Use of non conventional sources of energy	01	--	--	--	25	--	25	25
VII Plant Protection								
Integrated pest & disease management	05	--	--	--	100	25	125	125
Bio-control for pests and diseases	01	--	--	--	20	05	25	25
X Capacity Building and Group Dynamics								
Entrepreneurial development of farmers	01	--	--	--	10	15	25	25
Formation and management of FIGs	01	--	--	--	10	15	25	25
TOTAL	40	--	--	--	500	505	1005	1005
(B) Rural Youth	00	--	--	--	00	00	00	00
(C) Extension Personnel								
Production technologies of Kharif crops	01	--	--	--	20	05	25	25
Health management of desi cows for NF	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
Total	03	--	--	--	70	05	75	75
G. TOTAL	43	--	--	--	570	510	1080	1080

B. 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	03	--	--	--	45	30	75	75
Water management	01	--	--	--	15	10	25	25
Nursery management	02	--	--	--	30	20	50	50
Integrated crop management	09	--	--	--	180	130	310	310
II Horticulture								

Cultivation of Fruit crops	03	--	--	--	55	20	75	75
Cultivation of vegetables	03				45	30	75	75
Nursery Management	02	--	--	--	40	10	50	50
III Soil Health and Fertility Management								
Soil and water testing	02	--	--	--	30	20	50	50
Nutrient management	04	--	--	--	60	40	100	100
Soil management	02	--	--	--	30	20	50	50
Micronutrient deficiency in crops	01	--	--	--	15	10	25	25
Production of natural farming inputs	02	--	--	--	30	20	50	50
IV Livestock Production and Management								
Dairy management	03	--	--	--	15	60	75	75
Feed management	04	--	--	--	20	80	100	100
Disease management	02	--	--	--	10	40	50	50
V Home Science/Women empowerment								
Entrepreneurship development	04				--	100	100	100
Vermicomposting	01				--	25	25	25
Mushroom Cultivation	04				--	100	100	100
Value addition	02				--	50	50	50
Nutritional Garden	08				--	200	200	200
VI Agril. Engineering								
Micro irrigation systems	02	--	--	--	50	--	50	50
Efficient Use of water Through PIM	01	--	--	--	25	--	25	25
Farm mechanization	02	--	--	--	50	--	50	50
Water management through use of Moisture Indicator	01	-	--	--	25	--	25	25
Soil and water conservation	01	--	--	--	30	--	30	30
Use of non conventional sources of energy	01	--	--	--	25	--	25	25
VII Plant Protection								
Integrated pest disease management	08	--	--	--	160	25	185	185

Bio-control of pests and diseases	02	--	--	--	40	05	45	45
X Capacity Building and Group Dynamics								
Leadership development	01	--	--	--	20	05	25	25
Formation and management of SHGs	03	--	--	--	20	55	75	75
Entrepreneurial development of farmers	01	--	--	--	10	15	25	25
TOTAL	85	--	--	--	1095	1120	2215	2215
(B) Rural Youth								
Power tiller repair and maintenance	01	--	--	--	20	-	20	20
Nursery management	01	--	--	--	05	20	25	25
Mushroom Production	02	--	--	--	10	40	50	50
TOTAL	04				35	60	95	95
(c) Extension Personnel								
Integrated management of rat	01	--	--	--	25	-	25	25
Nutritional gardening	01	--	--	--	--	25	25	25
Formation of FIGs	01	--	--	--	25	--	25	25
Production technologies of Kharif crops	01	--	--	--	20	05	25	25
Health management of desi cows for NF	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
Total	06	--	--	--	120	30	150	150
Grand. TOTAL	95	--	--	--	1250	1210	2460	2460

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	05	200	50	250	05	--	05	205	50	255
Kisan mela	01	200	200	400	12	03	15	212	203	415
Kisan gosthi	06	200	160	360	04	02	06	204	162	366
Exhibition	02	500	500	1000	10	04	14	510	504	1014
Film show	05	60	40	100	--	--	--	60	40	100
Farmers Seminar	05	400	200	600	07	03	10	407	203	610
Group meetings	10	100	50	150	--	--	--	100	50	150
Lectures delivered	15	800	1000	1800	25	05	30	825	1005	1830
Newspaper coverage	04	--	--	--	--	--	--	--	--	--
Radio talks	02	--	--	--	--	--	--	--	--	--
TV talks	00	--	--	--	--	--	--	--	--	--
Popular articles	03	--	--	--	--	--	--	--	--	--
Extension literature	04	--	--	--	--	--	--	--	--	--
Advisory Services	50	150	50	200	10	5	15	160	55	215
Sci. visit to farmers field	20	80	40	120	--	--	--	80	40	120
Farmers visit to KVK	50	500	400	900	--	--	--	500	400	900
Exposure visits	05	75	50	125	--	--	--	75	50	125
Ex-trainees sammelan	01	--	50	50	--	--	--	--	50	50
Animal health camp	01	20	20	40	03	--	03	23	20	43
Soil health Camp	1	25	25	50	1	0	1	26	25	51
Soil test campaigns	1	30	20	50	2	0	2	32	20	52
Mahila mandals meetings	01	--	25	25	--	--	--	--	25	25
Celebration of imp. Days (World Soil Day, Women Day, Kisan Day, Food day, etc.)	04	150	150	300	05	02	07	155	152	307

3.6. Target for Production and supply of Technological products

SEED MATERIALS

No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	Sardar	60.00

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
VEGETABLES	Brinjal	Hybrid	80,000
	Tomato	Hybrid	20,000
	Chilli	Hybrid	20,000
	Cabbage	Hybrid	5,000
PLANTATION CROP	Sugarcane	Co.N-13073	100 qt.
OTHER (Specify)	Fodder tousseks	Co - 4	5,000 (tousseks)

Bio-products

Sl. No.	Product Name	Species	Quantity	
			Kg/No.	Lit
1	Fruit fly traps	Methyl Euginol traps	600 nos.	--
2	Gan Jivamrut	--	10000 kg	

LIVESTOCK

Sl. No.	Type	Breed	Quantity (No.)
1	Cow	Gir	02

VALUE ADDED PRODUCTS- Nil

3.7. Action plan for management of KVK instructional farm

Total land with KVK : 20 ha Cultivable land : 16 ha (Irrigated : 12 ha, Rainfed : 04 ha)

Micro-irrigation facility available at KVK : No.

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

1	Crops					
	Sugarcane	0.20	CoN-13073	Oct-Nov.	Dec.-Jan.	100
2	Fruit crops- Mango	3.00	Kesar, Alphonso	-	May	30
3	Vegetable crops	0.10				
	Brinjal		Mukta round	Nov.	-	80000 Seedlings
	Chilly		Eagle (Rasi seeds)	Nov.	-	20000 Seedlings
	Tomato		N.S.-629 (Namdhari seeds)	Nov.	-	20000 Seedlings
4	Seed production					
	Paddy	1.25	Sardar, GR-22	June-July	Sept. - Oct.	70
	Sugarcane	0.20	CoN-13073	Oct-Nov.	Dec.-Jan.	100
5	Fodder crops- Hy. Napier	0.50	CO-4	June	Oct.	5000
6	Technology cafeteria*	0.50	-	-	-	-
7	Nutritional Garden*	0.01				
8	IFS Model*	0.50	-	-	-	-
9	Agro forestry- Casuarina	5.00	CH-1,C.H.-2	June	-	-
10	Vermicompost	0.10	compost	-	-	500 qt.
11	Vermiculture	0.10	Culture	-	-	03 qt.
12	Natural Farming	1.00	Sugarcane-Co-N-13073, Mango, Paddy	Dec	Dec	150 qt.
13	Prakrutik kheti Inputs		Gan Jivamrut	Jan-March	Jan-March	90 qt

*May add separate table/information if necessary

4. Literature to be Developed/Published

A. Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	01
2	Technical reports	02
3	News letters	02
4	Training manual all discipline	02
5	Popular article	04
6	Extension literature	06
Total		17

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	Video Clipping	Nursery management	01
2	Video Clipping	Modified mat nursery method for paddy	01
3	Video Clipping	IPM in paddy	01

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

S. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel	KVK Valsad	01
2	Facebook page	KVK- Ambheti Valsad	01
3	Mobile Apps	--	--
4	WhatsApp groups	Technical Awareness and advisories	06
5	Twitter Account	KVK Valsad	01

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

1	Impact of soil moisture indicator	Dec -2024
2	YMV resistant variety (GAM-5)- Boost the productivity of summer moong in valsad district	July-2024
3	Vegetable Nursery management	Feb-2024

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

A. Practicing Farmers

- I. PRA
- II. Field level observations
- III. Farmer group discussions
- IV. Poor yield at farmers level
- V. Existing cropping system

A. Rural Youth

- I. Farmer group discussions
- II. Existing cropping system

B. In-service personnel

- I. Farmer group discussions
- II. Poor yield at farmers level
- III. Existing cropping system

5.2 Indicate the methodology for identifying OFTs/FLDs

For OFT : i) PRA

- ii) Problem identified
- iii) Field level observations
- iv) Farmer group discussions

For FLD :

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

5.3 Field activities

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

Block	Village	Year
-------	---------	------

Kaparada	Khuntali, Amdha. Ozarada,	2012
	Dhodhadkuva, Panas	2015
Dharampur	Sadadvera , Samarsingi	2015
	Ninivahiyal, Mamabhacha	2011
Pardi	Asma, Arnala, Pati, Panchalai,	2014
	Lakhmapor Nevri, Sondhalvada	2015
Valsad	Ozar, Navera	2015
Umargam	Borigam ,Saronda	2015
Vapi	Koparli, Kaval, Tambadi	2012

- ii. No. of farm families selected per village: 50
- iii. No. of survey/PRA conducted: 02
- iv. No. of technologies taken to the adopted villages-10
- 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. Agril. Uni. Navsari	Provides expertise for latest technology and supply of improved seeds of paddy, sugarcane, Indian bean, pigeonpea, finger millet, greengram and blackgram .
2	ATMA	Training and organizing farmer's shibir.
3	Dept. of Agril. Valsad.	Involvement of kvk experts for delivering lectures, farmers seminars and extension functionaries' trainings.
4	Dept. of Horticulture, Valsad	Involvement for lectures delivering in farmer shibir
5	Dept. of Animal husbandry, Valsad	Joint organization of cattle treatment camp & Pashupalan shibir
6	Dept. of Social Forestry, Valsad	Joint organization of Farmers Shibir.

7	Garuda Aero space pvt Ltd	Drone Demo
8	NABARD	Joint organization of Farmers Shibir.
9	WALMI-Surat	PIM Training
10	Rural Technology Institute , Pardi	Joint implementation of vocational trainings.
11	J. N.P.C. Trust, Kaparada	Joint implementation of farmers trainings & demonstrations
12	BAIF, Kaparada	Joint implementation of farmers trainings
13	Jain Irrigation Co , Dharampur	Soil and water sample analysis.
14	District Industrial Centre, Valsad	Approval of loan case of trainees for bank loan.

6.2. Details of linkage with ATMA

S. No.	Programme	Nature of linkage
1	On campus training	Technical expertise , method demonstration .
2	Interface meeting	Technical expertise by KVK staff
3	Joint visit of ATMA villages	Diagnostic visit on farmers field
4	Kisan gosthi	Technical lectures by KVK staff
5	Lecture delivered	Technical expertise by KVK staff

6.3. Give details of programmes under National Horticultural Mission-Nil

6.4. Nature of linkage with National Fisheries Development Board – Nil

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					
2	NARI	Training	05	--	Smt. P.R.Ahir , Sh.P.R.Patel
		Demonstration	05		Sh. A.R.Patel ,Sh. K.A.Patel Sh. B.M.Patel
3	TSP	Training	12	--	Sh. L.T.Kapur, Sh. M.M.Gajjar
		Demonstration	08		Sh. M.M.Gajjar
4	Out scaling of Natural farming	Training	03	432000	B.M.Patel ,Sh. L.T.Kapur, Sh. M.M.Gajjar
		Demonstration	16		Sh. A.R.Patel , Sh. K.A.Patel Sh. B.M.Patel P.R.patel

		Awareness programme	03		Sh. A.R.Patel ,Sh. K.A.Patel Sh. B.M.Patel Sh. L.T.Kapur, Sh. M.M.Gajjar
--	--	---------------------	----	--	---

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 2021	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
1	Amdha, Khuntli, Panas, Nanivahiyal, Lakhmapor	Training	150
		Demonstration	100

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

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)-NIL

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

6.5.5. Details of activities planned under TSP

S. No.	Name of the village	Activities planned	No. of families to be covered
1	BLOCK-KAPARADA Dhodhadkuva, Kakadkopar, Sukhala, Veribhavada, Amdha, Chavshala, Ambheti, Varoli, Chepa, Moti Palsan, Shahuda, Chandvegan, Khuntali, Panas, Arnai, Kaprada, Karjun, Manala, Motapondha, Ozar	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	25 Families in each village

2	BLOCK-DHARAMPUR Nanivahiyal, Mamabhacha, Singartati, Kakadkuva, Sadadvera, Samarsingi, Lakadmal, Bhensdara	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 Families in each village
3	BLOCK-PARDI Sampada, Pati, Chival, Asma, Nimakhal, Arnala, Panchlai, Goima, Motikachaval, Rabadi, Nevari, Sondhalwada, Tarmaliya, Barai, Ambach, Lakhmapor	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 Families in each village
4	BLOCK-UMARGAM Saronda, Borigam, Valvada, Biliya	ICM ,INM, IPM, IWM	50 Families in each village
5	BLOCK-VALSAD Ozar, Kachigam, Jujva, Parnera Pardi, Kochvada, Dulsad, Dhamdachi	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 Families in each village
6	BLOCK-VAPI Koparli, Kaval, Tambadi	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 Families in each village

6.5.6. Details of activities planned under Krishi Kalyan Abhiyan (KKA)-Nil

6.5.7. Details of seed production planned under Seed Hub on Pulses- Nil

6.6. Activities planned in respect of FPOs / FPCs

1. No. of FPOs / FPCs to be formed: NIL

2. No. of existing FPOs / FPCs to be facilitated: 01

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	Pardi	300	Mango	Technical guidance

6.7. Activities planned in respect of developing Integrated Farming System (IFS) Models on farmers' fields during 2023

S. No	Name of the village	No. of IFS models to be identified / developed	Major components of IFS model
1	Khutli	05	Dairy
2	Panas	05	Dairy
3	Lakhmapor	05	Dairy

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	Dept. of Agril. Valsad.	Involvement of kvk experts for delivering lectures, farmers seminars and extension functionaries trainings.	1500 farmers
2	Dept. of Horticulture, Valsad	Involvement for lectures delivering in technology week.	250 farmers
3	Dept. of Animal husbandry, Valsad	Joint implementation of organizing cattle treatment camp & farmers shibir	1000 farmers
4	Dept. of Forest, Valsad	Joint implementation of organizing extension functionaries training.	200 employee
5	ATMA, Valsad	Involvement of kvk experts for delivering lectures in training, FFS, seminars, etc.	1500 farmers
6	RTI, Pardi	Joint implementation of organizing vocational training.	50 farmers

8. Innovator Farmer's Meet 2024

Sl.No.	Particulars	Details	Expected No. of participants
1	Farm innovators meet planned	Month proposed- Sept-2024	40

9. Utilization of hostel facilities

S. No.	Month	No. of days to be utilized
1	Jan-24	04
2	Feb-24	06
3	March-24	09
4	Apr-24	03
5	May-24	07
6	June-24	17
7	July-24	03
8	Aug-24	06
9	Sep-24	14
10	Oct-24	10
11	Nov- 24	03
12	Dec-24	01

10. Details of online activities planned (If any) : Nil

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
1	Natural farming	ATMA Project	ATMA SAMETI	2023-24	Training on natural farming

Annexure - I

Training Programmes

(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										
10/02/2024	PF/FW	Production technology of green gram	01	15	10	25	15	10	25	25
11/02/2024	PF/FW	Production technology of green gram	01	15	10	25	15	10	25	25
27/05/2024	PF/FW	Production technology of paddy	01	20	25	45	20	25	45	45
03/06/2024	PF/FW	Production technology of paddy	01	20	20	40	20	20	40	40
04/06/2024	PF/FW	Production technology of paddy	01	20	20	40	20	20	40	40
05/06/2024	PF/FW	Production technology of Finger millet	01	20	10	30	20	10	30	30
06/06/2024	PF/FW	Production technology of finger millet	01	20	10	30	20	10	30	30
24/10/2024	PF/FW	Production technology of gram	01	35	15	50	35	15	50	50
25/10/2024	PF/FW	Production technology of Indian bean	01	15	10	25	15	10	25	25
Horticulture										
15/02/2024	PF/FW	Nursery Management	01	25	--	25	25	--	25	25
19/04/2024	PF/FW	Off-season vegetables cultivation	01	15	10	25	15	10	25	25

13/06/2024	PF/FW	Cultivation of Fruit	01	25	--	25	25	--	25	25
25/09/2024	PF/FW	Nursery Management	01	15	10	25	15	10	25	25
Livestock prod.										
03/02/2024	PF/FW	Feed management	01	05	20	25	05	20	25	25
23/02/2024	PF/FW	Dairy management	01	05	20	25	05	20	25	25
12/04/2024	PF/FW	Feed management	01	05	20	25	05	20	25	25
12/06/2024	PF/FW	Dairy management	01	05	20	25	05	20	25	25
12/11/2024	PF/FW	Disease management	01	05	20	25	05	20	25	25
27/12/2024	PF/FW	Feed management	01	05	20	25	05	20	25	25
Soil Health										
29/05/2024	PF	Method of Soil and water sample collection and analysis	01	15	10	25	15	10	25	25
11/06/2024	PF	Jivamrit in soil health management	01	15	10	25	15	10	25	25
21/06/2024	PF	Making of modified dapog nursery for raising paddy seedlings	01	15	10	25	15	10	25	25
26/09/2024	PF	Application and Importance of Micronutrients in mango	01	15	10	25	15	10	25	25
11/10/2024	PF	Production of liquid organic manures and agricultural waste management	01	15	10	25	15	10	25	25
Agril. Engg.										
12/01/2024	PF	Use of Power Sprayer in orchad	01	25	--	25	25	--	25	25
05/03/2024	PF	Advantages of micro irrigation systems	01	50	--	50	50	--	50	50
2/07/2024	PF	Efficient Use of water Through PIM	01	25	--	20	25	--	20	20
4/10/2024	PF	Water management through use of Moisture Indicator	01	25	--	25	25	--	25	25

Home Science										
16/01/2024	PF/FW	Vermicomposting	01	02	19	21	02	19	21	21
17-18/01/2024	PF/FW	Mushroom Production Technology	02	03	25	28	03	25	28	28
18-21/03/2024	PF/FW	Nursery Management	04	06	27	33	06	27	33	33
27-29/05/2024	PF/FW	Income Generation activities for Empowerment of Rural Women	03	00	25	25	00	25	25	25
11-14/06/2024	PF/FW	Nursery Management	04	00	25	25	00	25	25	25
17-18/07/2024	PF/FW	Value Addition	02	00	25	25	00	25	25	25
07-08/08/2024	PF/FW	Mushroom Production Technology	02	00	25	25	00	25	25	25
Plant protection										
04/06/2024	PF	IPDM in cucurbit vegetables	01	20	-	20	20	-	20	20
06/08/2024	PF	Management of pest –disease of paddy	01	20	-	20	20	-	20	20
15/10/2024	PF	Biocontrol of Pest Dis. in pulse crops	01	20	-	20	20	-	20	20
22/11/2024	PF	Management of pest-disease of mango	01	20	-	20	20	-	20	20
Capacity Building										
15/05/2024	PF	Leadership development	01	20	05	25	20	05	25	25
05/07/2024	PFW	Formation and management of SHGs	01	20	05	25	20	05	25	25
12/11/2024	PFW	Formation and management of SHGs	01	20	05	25	20	05	25	25

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										
24/02/2024	PF	Weed management in green gram	01	15	10	25	15	10	25	25
28/02/2024	PF	Water management in green gram	01	15	10	25	15	10	25	25
10/06/2024	PF	Nursery management in paddy	01	15	10	25	15	10	25	25
11/06/2024	PF	Nursery management in finger millet	01	15	10	25	15	10	25	25

15/07/2024	PF	Weed management in Paddy	01	15	10	25	15	10	25	25
09/12/2024	PF	Weed management in gram	01	15	10	25	15	10	25	25
Horticulture										
04/07/2024	PF/FW	Production of low volume and high value crops	01	15	10	25	15	10	25	25
23/08/2024	PF	Off-season vegetables	01	25	--	25	15	10	25	25
27/09/2024	PF	Micro irrigation systems of orchards	01	25	--	25	15	10	25	25
04/10/2024	PF/FW	Plant propagation techniques	01	15	10	25	15	10	25	25
Live Stock Production.										
20/07/2024	PF/FW	Feed management	01	05	20	25	05	20	25	25
28/08/2024	PF/FW	Dairy management	01	05	20	25	05	20	25	25
24/09/2024	PF/FW	Disease management	01	05	20	25	05	20	25	25
Soil Health										
05/03/2024	PF	Soil and water sample analysis and use of soil health card	01	15	10	25	15	10	25	25
14/06/2024	PF	Production and application of jivamrit and Ghanjivamrit	01	15	10	25	15	10	25	25
25/06/2024	PF	Raising of paddy seedlings with Modified dapog nuresry without traditional practice-Aadar	01	15	10	25	15	10	25	25
18/07/2024	PF	Nutrient Management in Natural farming of paddy crop	01	15	10	25	15	10	25	25
17/10/2024	PF	Importance and application of Novel- Banana psuedostem sap in vegetable crops	01	15	10	25	15	10	25	25
11/12/2024	PF	Nutrient management in natural farming of sugarcane	01	15	10	25	15	10	25	25
Agril. Engg.										
5/02/2024	PF	Soil and water conservation	01	--	--	--	30	--	30	30
11/05/2024	PF	Drudgery reduction through paddy thresher	01	--	--	--	50	--	50	50
17/09/2024	PF	Micro irrigation	01	--	--	--	50	--	50	50

21/10/2024	PF	Use of non-conventional sources of energy	01	--	--	--	25	--	25	25
Home Science										
13-14/01/2024	PF/FW	Mushroom Production & Technology	02	00	25	25	00	25	25	25
08-09/02/2024	PF/FW	Entrepreneurship Development Training	02	00	25	25	00	25	25	25
11-20/04/2024	PF/FW	Papercup & Paper dish Making	10	00	25	25	00	25	25	25
25-26/06/2024	PF/FW	Value Addition	02	00	25	25	00	25	25	25
13/08/2024	PF/FW	Nutritional Gardening	01	00	25	25	00	25	25	25
04-05/09/2024	PF/FW	Mushroom Production Technology	02	00	25	25	00	25	25	25
21/10/2024	PF/FW	Nutritional Gardening	01	00	25	25	00	25	25	25
12/11/2024	PF/FW	Nutritional Gardening	01	00	25	25	00	25	25	25
18/12/2024	PF/FW	Nutritional Gardening	01	00	25	25	00	25	25	25
Plant Protection										
26/02/2024	PF	Bio control of pest in mango	01	20	05	25	20	05	25	25
22/08/2024	PF	Integrated pest - disease mgt. in paddy	01	20	05	25	20	05	25	25
11/09/2024	PF	Management of pest and disease of finger millet	01	20	05	25	20	05	25	25
07/10/2024	PF	Integrated pest - disease mgt. in pigeonpea	01	20	05	25	20	05	25	25
05/11/2024	PF	Integrated pest - disease mgt. in vegetables	01	20	05	25	20	05	25	25
11/12/2024	PF	Management of pest diseases in chickpea	01	20	05	25	20	05	25	25
Capacity Building										
14/ 06/ 2024	PFW	Entrepreneurial development of farmers	01	10	15	25	10	15	25	25
26/10/2024	PF	Formation and management of FIGs	01	10	15	25	10	15	25	25

lii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST Participants			Grand Total
					M	F	T	M	F	T	

Farm Machinery	Farm mechanization	Power Tiller Repair and Maintenance	Sept-2024	10	20		20	20		20	20
Entrepreneurship development	Vocational training	Nursery raising	March-2024	04	05	20	25	05	20	25	25
		Mushroom production Technology	August-2024	04	10	15	25	10	15	25	25
		Mushroom production Technology	Oct.-2024	04	--	25	25	--	25	25	25
		TOTAL			35	60	95	35	60	95	95

iv) Training programme for Extension Functionaries

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			Grand Total
				M	F	T	M	F	T	
On Campus										
18/06/2024	VLWs, Field Supervisors	Integrated management of rat	01	25	-	25	25	-	25	25
21/06/2024	ICDS workers	Nutritional gardening	01	--	25	25	--	25	25	25
05/09/2024	SHGs Group Leader	Formation of FIGs	01	25	--	25	25	--	25	25
OFF Campus										
28/02/2024	Master Trainers	Health management of desi cows for NF	01	25	--	25	25	--	25	25
11/04/2024	Gram sevak	Production technology of Kharif crop	01	20	05	25	20	05	25	25
26/06/2024	Field staff of NGO	Soil & water conservation	01	25	--	25	25	--	25	25
		Total	06	120	30	150	135	40	175	175

V) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			Grand Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Agronomy	ATMA	PF/PFW	Production technology of kharif paddy	01	15	25	40	15	25	40	40
Soil Science	ATMA	PF/PFW	Natural farming in paddy	01	30	10	40	30	10	40	40
Plant protection	ATMA	PF/PFW	IPM for vegetables, Paddy	01	30	15	45	30	15	45	45
Home science	RTI	PFW	Vocational training	01	--	30	30	--	30	30	30
Ext. education	ATMA	PF	Formation and mgt. of SHGs	01	30	--	30	30	--	30	30

Animal science	Out Scaling of Natural farming	PF/PFW	Natural Farming	03	80	40	120	80	40	120	120
			Total	08	185	120	305	185	120	305	305
b) Sponsored research programme : Nil											

Annexure - II

Details of Budget Estimate (2024-25) based on proposed action plan

S. No.	Particulars	BE 2024-25 proposed (Rs.lakh)
14.1	Recurring Contingencies	
14.1.1	Pay & Allowances	245.00
14.1.2	Traveling allowances	1.50
14.1.3	Contingencies	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	10.00
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees (ceiling upto Rs.40/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	
14.1	TOTAL Recurring Contingencies	263.50
14.2	Non-Recurring Contingencies	-
14.2.1	Works	-
14.2.2	Equipments including SWTL & Furniture	-
14.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	-
14.2.4	Library (Purchase of assets like books & journals)	-

14.2	TOTAL Non-Recurring Contingencies	-
14.3	REVOLVING FUND	-
14.4	GRAND TOTAL	263.50