ANNUAL ACTION PLAN

(1st January 2023 to 31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address
	Office	FAX		
Krishi Vigyan Kendra, AMBHETI Ta. Kaparada Di. Valsad Via. Vapi Gujarat Pin. 396 191	--	--	kvkvalsad@gmail.com	www.kvkvalsad.org

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

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

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	rthakor1965@yahoo.co.in

1.4. Year of sanction & type of host organization::Sanction letter F. No. 5 (108) / 90 - KVK 28th March 1991.

Year of Establishment : 21th Sept. 1992

Type of host organization – Others (DU)

1.5. **Staff Position (as on 1st January, 2023)**

					If Permanent, Please indicate			If Temporary, pl. indicate the consolidated amount paid (Rs./month)
Sl. No.	**Sanctioned post**	**Name of the incumbent**	**Mobile No.**	**Discipline**	**Basic Pay**	**Current Basic**	**Date of joining**	
1.	Senior Scientist and Head	Dr. R.F.Thakor	9427129451	Ext . Edu.	144200	211800	19/05/01	
2.	Subject Matter Specialist	Sh. K.A.Patel	9426889148	Pl. Prot.	78800	126600	28/02/94	
3.	Subject Matter Specialist	Sh. A.R.Patel	9428381449	Ext . Edu.	78800	126600	23/01/96	
4.	Subject Matter Specialist	Sh. L.T.Kapur	8980619497	Soil Science	78800	96900	16/12/06	
5.	Subject Matter Specialist	Sh. M.M.Gajjar	9909761181	Agronomy	67700	74000	17/09/13	
6.	Subject Matter Specialist	--		Horti.	--	--	--	
7.	Subject Matter Specialist	Smt. P.R.Ahir	9429450875	Home Sci.	56100	77700	01/05/01	
8.	Programme Assistant	Sh. B.M.Patel	9427141759	Ani .Sci.	56100	75400	02/12/02	
9.	Computer Programmer	Sh. P.J.Joshi	9426816616	Agri. Engg.	56100	77700	23/12/02	
10.	Farm Manager	Sh. P.R.Patel	9687636758	Farm manager	56100	73200	01/05/01	
11.	Acc./Superintendent	Sh. C.D.Patel	9727928272	O.S	35400	46200	27/09/13	
12.	Stenographer	Sh.V.B.Patel	9429118438	Accountant	35400	52000	01/11/99	
13.	Driver 1	Sh. R.D.Rohit	9726925033	Driver	29200	38100	16/06/08	
14.	Driver 2	Sh. H.G.Valand	7990870661	Driver	29200	35900	01/08/09	
15.	Supporting staff 1	Sh. A.R.Patel	9537558272	Attendant	21700	34000	01/11/99	
16.	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	9.0 ha
4	Horticulture	6.0 ha
5	Pond	--
6	Others if any	2.0 ha.

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 /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. Run	Present status
Tractor	2019	6,50,000	1199 hrs.	Working condition.
Tractor Trolley	2019	1,50,000	--	Working condition.
Jeep (Bolero)	2010	477058	274254	Working condition.
Power tiller	2010	1,55,500	--	Working condition.
Motor Cycle	2011	49995	22655	Working condition.

C. Equipments& 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.
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 1	March-2023
2	Scientific Advisory Committee – Meeting 2	Sept-2023

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	Names of talukas covered
1	Agriculture farming systems	Valsad, Dharampur, Pardi, Vapi, Kaparada, Umargam
2	Agri - Horti farming systems	Valsad, Dharampur, Pardi ,Vapi, Kaparada, Umargam
3	Agri – Horti -Dairy farming systems	Valsad, Dharampur, Pardi, Vapi, Kaparada, Umargam
4	Agri - Silviculture farming systems	Valsad, Dharampur, Pardi, Vapi, Kaparada, Umargam

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

a. Soil type

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

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Agro-ecological situation – I & II	- Costal belt - Western part
		- Medium black to black soil
		- 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	--
			2,94,412 ha.

2.4. Area, Production and Productivity of major crops cultivated in the district (Ref. Year 2022)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Food grains			
	Paddy Kharif	70950	275505	3883
	Paddy summer	867	4092	4720
	Total Paddy	**71817**	**279597**	**3893**
	Ragi (Finger millet)	1725	1168	677
	Vari	200	130	650
	Pigeon Pea	6935	6588	950
	Urid	5530	3024	547

	Mung	87	44	500
	Gram	3053	2435	798
	Val	2808	2017	718
	Other pulses - kharif	1317	790	600
	Other pulses -rabi	5206	3401	653
	Total other pulses	6523	4191	642
	Groundnut	58	46	800
	Niger	2250	1575	700
	Sugarcane	5896	426969	72417
2	Fruit crops			
	Mango	26250	15750	60.00
	Chiku	3345	32513	97.20
	Banana	770	4.274	562.00
	Papaya	145	6254	431.30
	Cashewnut	5590	1811	32.40
	Coconut	2930	2930	100.00
	Total	39030	28694	
3	Vegetables			
	Brinjal	1625	2600	160.00
	Okra	1620	1620	100.00
	Tomato	1405	2950	210.00
	Cucurbits	2831	6228	220.00
	Total	7475	13398	170.00
4	Spices & condiments			..
	Chilly	01	114	114.00

Authentic Source (State / Central Govt):: State Govt. District Agriculture Department.

2.5. **Weather data (2022)**

Month	Rainfall (mm)	Rainy days	Temperature C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	--	--	30.5	11.5	100	37.5
February	--	--	33.1	11.4	100	28.3
March	--	--	37.5	17.0	96.1	18.6
April	--	--	39.0	19.9	99.7	25.5
May	--	--	37.2	25.1	97.2	43.8
June	252.5	14	34.9	25.3	99.0	57.9
July	2019.0	26	29.6	24.8	100	86.0
August	485.0	22	30.8	24.7	100	79.5
September	452.5	11	31.3	24.1	100	78.7
October	105.0	6	34.3	21.1	100	53.9
November	--	--	34.9	14.1	100	31.2
December	--	--	34.0	14.3	100	34.3
Total	3314.0	79	--			

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (Ref. year 2021-22)

Category	Population (No.)	Production (Per unit)	Productivity (Per unit)
Cattle	247601	69.93	--
Crossbred	38869	26.31	6.137
Indigenous	208732	43.62	1.884
Buffalo	96487	35.45	3.014
Sheep	3433	--	--
Goats	105094	--	--
Poultry	773599	--	--

Source : CDAP-Valsad

2.7. Details of Operational area / Villages

Name of Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Kaparada	Kakadkopar, Ambajungle, Narvad, Valveri, Ghotan, Chavshala, Ambheti, Arnai, Amdha, Khutali,Sukhala, Dixal, Varoli, Dhodhdkuva, Kaparada, Ozar, Panas, Ozarada , Niloshi, Ozarada, Motapondha	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	Sadadvera, Nanivahiyal, Samarsingi, Panva, Hanmatmal, Mamabhacha,	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	Asma, Chival, Ambach, Pati, Samarpada, Kherlav, Lakhmapore, Nevri, Panchlai	Paddy ,Sugarcane, Pulses, Vegetables , Mango &Dairy.	Low productivity in all crops. Non availability of improved seeds.Shortage of labour. Heavy infestation of weeds. Poor milk production	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.
Umargam	Saronda, Borigam,Maroli	Paddy ,Mango, Sugarcane& Vegetable.	Low productivity in all crops. Non availability of improved seeds.Shortage of labour. Water scarcity Soil salinity	ICM ,INM, IPM, IWM
Valsad	Ozar, Juzva, Ronvel, Chinchai	Paddy ,Mango, Sugarcane, Pulses & Vegetable.	Low productivity in all crops. Non availability of improved seeds. 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
Sweetpotato	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.
Income generation	Vocational training

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	125.75	920

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
Farmers/ farm women - 76	2120	Field day - 05	250
Rural Youth - 04	95	Kisan mela - 01	400
Extension Functionaries -07	175	Kisan gosthi - 06	360
Sponsored Trainings - 08	305	Exhibition - 02	1000
Total - 95	2695	Film show - 05	100
		Farmers Seminar - 05	600
		Group meetings – 20	300
		Lectures in Other programme – 15	1800

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 – 60.00	Veg. seedlings – 1,40,000 nos	--	Soil Sample - 500
Sugarcane – 200.00 qt.	Fodder Toussecks – 5,000 nos.	--	Water Sample - 300
		--	

3.1. B. Operational areas details proposed during 2023

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 stem borer & cutworm	--	Amdha, Dhodhadkuva, Panas , Panchalai, Asma, Sadadvera	FLD, OFT, Training
2	Gram	Non availability of improved seeds. Heavy infestation of weeds	--	Pati, Dhodhadkuva, Amdha Panchalai Sadadvera Khuntli,	FLD, Training
3	Pigeon pea	Non availability of improved seeds. Heavy infestation of weeds	--	Sadadvera , Khuntli, Amdha,	FLD, OFT, Training
4	Mango	Heavy infestation of fruit fly & hopper	--	Ambach, Kherlav, lakhmapore	FLD,Training
5	Sugarcane	Non availability of improved seeds. Shortage of labour	--	Kharedi, Motivahiyal	FLD, Training
6	Livestock production	Low milk yield, Mastitis disease Shortage of green fodder	--	Sukhala, Khuntli, Amdha , Chival, Panas, Pati	FLD,OFT, Training,
7	Finger millet	Non availability of improved seeds. INM	--	Niloshi, Manala,Karjun	FLD, OFT, Training
8	Brinjal, Chilli, Cucurbits	Non availability of improved seeds. Heavy infestation pest & diseases	--	Varoli, Kaparada, Ozarada	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		02							03
Integrated Nutrient Management	02									02
Integrated Pest 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	11ermin culture	Fisheries	TOTAL
Nutrition Management	01							01

B. Details of On Farm Trials/ Technology Assessment proposed during 2023

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 Hybrid variety (US-312) with local practices T2 : Use of GAR-13 Variety with improved practices T3 : Use of GRH-2 Variety with improved practices	NAU, Navsari	1. Seed of Hybrid variety (US-312) 2. Seed of Improved variety (GAR -13) 3. Seed of Hy. Variety (GRH-2)	• Hy. Variety (US-312) @ 15 kg/ha • Seed of GAR -13 @ 30 kg/ha • Hy, variety (GRH-2) @ 15 kg/ha	920	10	9200	Plant height, Productive tillers/hill. Grain yield B:C ratio	O3
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 GAM-5 Variety with improved practices T3 : Use of GM-7 Variety with improved practices	NAU, Navsari AAU, Anand	1. Seed of Improved variety (GAM-5) 2. Seed of Improved variety (GM-7) @ 3. IPM Kit /ha	• Seed of GAM-5 @ 20 kg/ha : 2000 Rs • Seed of GM-7 @ 20 kg/ha : 2000 Rs • IPM Kit /ha : 1200 Rs	800	10	8000	Plant height, No of branches per plant Number of pod per plant, Grain yield (q/ha), B:C ratio	03
3	Blackgram	Low yield of Summer Black gram.	Assessment of Blackgram variety for	T1 : Use of local variety with local practices	NAU, Navsari	1. Seed of Improved variety (G.U-1) @ 2. Seed of Improved	• Seed of G.U-1 @ 20 kg/ha : 2500 Rs	800	10	8000	Plant height, No of	03

			Summer cultivation	T2 :Use of G.U.-1 Variety with improved practices **T3 :** Use of G.U.-3 Variety with improved practices		variety (GU-3) 3. IPM Kit /ha	• Seed of G.U-3 @ 20 kg/ha : 2500 Rs • IPM Kit /ha : 1200 Rs				branches per plant Number of pod per plant, Grain yield (q/ha), B:C ratio	
4	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) T2 : 10 % of body weight milk feed to calf up to 12 week of age T3 : Milk + Calf starter feed feeding	• GAU, ANAND • NDDB , ANAND	Calf starter feed (Vardan made by AMUL)	60 kg	1800 (600 Rs / 20 kg Bag)	10	18000	Growth and health of calf	02
5	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) T2 – Recommended Dose of Fertiliser (RDF)(100:30:00 kg NPK/ha) with urea T3- 00:30:00 + spraying of IFFCO nano urea @ 4ml /lit at active tillering or 20-25 Days after Transplanting) and 2nd spray at 45 to 50 DAT or before flowering in the crop.	IFFCO and SAU	Seed Nano urea	6 kg 1 lit	180.00 500.00 680.00	20	13600	1.No. of tiller 2.Yield 3. Soil fertility 4. B:C ratio	03
6	Paddy	Low production of kharif	Assessment of application	T_1-Farmer practice (177:86:00 kg NPK/ha) T2 – Recommended	NAU, Navsari	1. Seed 2. Potassium silicate	6 kg 500 gm	180.00 320.00 500.00	20	10,000	1.No. of tiller 2.Yield	03

		paddy	of silicon in kharif paddy	Dose of Fertiliser (RDF)(100:30:00 kg NPK/ha) with urea T3- Recommended Dose of Fertiliser (RDF)(100:30:00 kg NPK/ha) + Spraying of 1.5 % potassium silicate at 20-25 Days DAT and at 45 to 50 DAT							3. Soil fertility 4. B:C ratio	
7	Mango	Low yield of mango	Management of mango hoppers and thrips	**T1** : Arbitrary use of pesticides i.e. Imidachloprid 17.8 SL@ 3 ml/10 (Farmers practices) **T2** : Spray of *Verticillium lecanii* @ 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 **T3** : Spraying of Beuvariabasiana @ 40 g/10 lit	-- Reco. : AES, NAU, Paria, 2019	1. Verticillium lecanii 2. Beuvariabasiana 3. Imidachloprid	5 kg 3 kg 200 ml	1000 600 300	10	19000	1. Incidence of Pest & its damage on crop, 2. Yield (q/ha), 3. B:C ratio	02

3.3. Frontline Demonstrations

A. Details of FLDs to be organized (Oilseeeds, 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 & Seedling Treatment, Line sowing,	Seed – 30 kg/ha -30000 Rs LBF – Azotobacter 2.50 lit/ha – 6500 Rs. LBF- PSB 2.50 lit/ha – 6500 Rs. Vermicompost – 100 kg/ha – 12,000 Rs..	Kharif-2023	25	125	Yield, B:C ratio
2	Paddy	GNR-9 (લાલકડી ગોલ્ડ)	ICM	Improved variety, Seed & Seedling Treatment, Line sowing	Seed – 30 kg/ha - 6000 Rs LBF – Azotobacter 2.50 lit/ha – 1250 Rs. LBF- PSB 2.50 lit/ha –1250Rs. Vermicompost – 100 kg/ha –3000 Rs..	Kharif-2023	05	25	Yield, B:C ratio
3	Pigeon Pea	GT-105	ICM	Improved variety, Seed Treatment, INM, IPM	Seed – 20 kg/ha -8000 Rs LBF –Rhizobium 2.5 lit/ha –1250 Rs. LBF- PSB 2.5 lit/ha –1250 Rs. Vermicompost – 200 kg/ha –6000Rs..	Kharif-2023	05	25	Yield, B:C ratio
4	Chickpea (NFSM)	GJG-6	ICM	Improved variety, Line sowing, Seed Treatment, IPM	Seed – 70 kg/ha - 49,000 Rs LBF –Rhizobium 2.5 lit/ha – 2500 Rs. LBF- PSB 2.5 lit/ha –2500 Rs. Neem oil – 1.5 lit/ha (680 Rs/Lit) 10200 Rs. Beuveria -1.25 kg/ha – 880 rs/kg 11,000 Rs	Rabi-2023	10	25	Yield, B:C ratio
5	Green gram (NFSM)	GM-6	ICM	Improved variety, IPM Line sowing , Seed treatment,	Seed – 20 kg/ha - 22000 Rs LBF –Rhizobium 2.5 lit/ha – 2500 Rs. LBF- PSB 2.5 lit/ha –2500 Rs. Neem oil – 1.5 lit/ha (680 Rs/Lit) 10200 Rs. Beuveria - 1.25 kg/ha 880 Rs/kg) 11000 Rs	Summer-2024	10	25	Yield, B:C ratio
6	Indianbean	Guj. Val-2	ICM	Improved variety, Line sowing, Treated seed, Mgt. of pod borer	Seed -20 kg/ha -10000 Rs Neem oil - 1.5 lit/ha -5100 Rs	Rabi–2023	05	25	Yield, B:C ratio
7	Paddy	Sardar	INM	Nutrient mgt.	Novel- Spray (03) @10 lit/ha. -8000 Rs.	Kharif-2023	05	25	Yield, B:C ratio

8	Brinjal	DPR	INM	Nutrient mgt.	Mix micronutrients @ 25kg/ha. (450Rs/10kg) - 5625 Rs.	Rabi-2023	05	25	Yield, B:C ratio
9	Paddy	Sardar	INM	Green manuring	Sunnhamp seed- @30 kg/ha. 6000 Rs.	Kharif-2023	02	10	Yield, B:C ratio, soil fertility
10	Sugarcane	CoN-15073	ICM	Improved variety, Seed treatment, INM	Seed (5 tone/ha) – 17250Rs 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-2023	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 - 8000 Rs Vermicompost-5000kg (6Rs/kg) 30000 Rs	Kharif-2023	40	200	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-2023	2.5	25	Yield, B:C ratio
13	Fodder sorghum	SSG-501 Rangeela	ICM	Improved variety	Seed – @ 70 kg/ha. (82 Rs/ kg) 30000 Rs	Rabi-2023	10	100	Fodder yield
14	Feed Supplement	By Pass Fat	Nutrition Mgt.	Feed Supplement	By Pass Fat @ 100 g/animal. /day (200 Rs/ 1kg pkt.) 20000 Rs.	Dec-2023	--	50	Milk yield, B:C ratio
19	Waste decomposer	Waste decomposer	INM	Composting with Waste decomposer	Waste decomposer- @35 Rs/bottle. 3500 Rs.	Kharif-2023	--	100	Compost production, B:C ratio

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-2023	15	15	Soil Moisture Indicator	Water Saving
		Total	15	15		

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.	40	40	Seed and Plastic bags- (1000 Rs / unit) – 40000 Rs	Yield, B:C ratio
Plug nursery	-	25	25	Plastic Tray- 20 no/ unit (15 Rs/ tray) – 7500 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	11	--	--	--	235	160	395	395
II Horticulture								
Cultivation of Fruit crops	02	--	--	--	50	--	50	50
Nursery Management	02	--	--	--	20	30	50	50
III Soil Health and Fertility Management								
Production and use of organic 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
Nutrient management	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
Natural farming	03	--	--	--	90	30	120	120
V Home Science/Women empowerment								
Entrepreneurship development training	01				--	25	25	25
Vermicomposting	01				--	25	25	25
Income generation activities for empowerment of rural Women	01				--	25	25	25
Nursery management	01				--	25	25	25
VI Agril. Engineering								
Advantages of micro irrigation systems	01	--	--	--	50	--	50	50

Efficient Use of water Through PIM	01	--	--	--	50	--	50	50
Custom Hiring Centre Management	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	--	--	--	20	30	50	50
TOTAL	**40**				**760**	**455**	**1215**	**1215**
(B) Rural Youth								
Power tiller repair and maintenance	01	--	--	--	20	-	20	20
Nursery management	01	--	--	--	--	25	25	25
Mushroom Production	02				15	35	50	50
TOTAL	**04**				**35**	**60**	**95**	**95**
(C) Extension Personnel								
Integrated pest management	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	**47**				**845**	**540**	**1385**	**1385**

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	02	--	--	--	30	20	50	50
Nursery management	01	--	--	--	15	10	25	25
II Horticulture								
Production of low volume and high value 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	02	--	--	--	30	20	50	50
Production and use of organic inputs	03	--	--	--	45	30	75	75
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	02	--	--	--	--	50	50	50
Mushroom production Technology	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Soil and water conservation	01	--	--	--	30	--	30	30
Drudgery reduction	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	50	--	50	50

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	**36**	--	--	--	**540**	**390**	**930**	**930**
(B) Rural Youth	**00**	**--**	**--**	**--**	**00**	**00**	**00**	**00**
(C) Extension Personnel								
Production technolog©f Kharif crop	01	20	05	25	20	05	25	25
Health management of crossbred cows.	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
INM for fertilizer dealers	01	--	--	--	15	10	25	25
Total	**04**	**20**	**05**	**25**	**85**	**15**	**100**	**100**
G. TOTAL	**40**	**20**	**5**	**25**	**625**	**405**	**1030**	**1030**

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	02	--	--	--	30	20	50	50
Nursery management	01	--	--	--	15	10	25	25
Integrated crop management	11	--	--	--	205	160	365	365
II Horticulture								
Cultivation of Fruit	02	--	--	--	50	--	50	50
Nursery Management	02	--	--	--	20	30	50	50

Production of low volume and high value crops	02	--	--	--	30	20	50	50
Off-season vegetables	02	--	--	--	30	20	50	50
III Soil Health and Fertility Management								
Production and use of organic inputs	04	--	--	--	60	40	100	100
Micro nutrient deficiency in crops	01	--	--	--	15	10	25	25
Soil and Water Testing	02	--	--	--	30	20	50	50
Nutrient management	03	--	--	--	50	25	75	75
Soil management	01	--	--	--	15	10	25	25
IV Livestock Production and Management								
Dairy management	02	--	--	--	10	40	50	50
Feed management	02	--	--	--	10	40	50	50
Disease management	02	--	--	--	10	40	50	50
Natural farming	03	--	-	-	90	30	120	120
V Home Science/Women empowerment								
Entrepreneurship development training	01				--	25	25	25
Vermi composting	01				--	25	25	25
Income generation activities for empowerment of rural Women	01				--	25	25	25
Nursery management	01				--	25	25	25
Mushroom Production	01				--	25	25	25
Value addition	01	--			--	25	25	25
nutritional gardening	02	--			--	50	50	50
VI Agril. Engineering								
Advantages of micro irrigation systems	01	--	--	--	50	--	50	50
Efficient Use of water Through PIM	01	--	--	--	50	--	50	50
Custom Hiring Centre Management	01	--	--	--	25	--	25	25
Water management through use of Moisture Indicator	01	-	--	--	25	--	25	25
Soil and water conservation	01	--	--	--	30	--	30	30
Drudgery reduction through paddy thresher	01	--	--	--	50	--	50	50
Micro irrigation	01	--	--	--	50	--	50	50

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	02	--	--	--	20	30	50	50
Entrepreneurial development of farmers	01	--	--	--	10	15	25	25
Formation and management of FIGs	01	--	--	--	10	15	25	25
TOTAL	**76**				**1280**	**840**	**2120**	**2120**
(B) Rural Youth								
Power tiller repair and maintenance	01	--	--	--	20	-	20	20
Nursery management	01	--	--	--	--	25	25	25
Mushroom Production	02	--	--	--	15	35	50	50
TOTAL	**04**	**--**	**--**	**--**	**35**	**60**	**95**	**95**
© Extension Personnel								
Production technology of Kharif crop	01	20	05	25	20	05	25	25
Integrated pest management	01	--	--	--	25	--	25	25
Nutritional gardening	01	--	--	--	--	25	25	25
Formation of FIGs	01	--	--	--	25	--	25	25
Health management of crossbred cows.	01	--	--	--	25	--	25	25
Micro irrigation	01	--	--	--	25	--	25	25
INM for fertilizer dealers	01	--	--	--	15	10	25	25
Total	**07**	**20**	**05**	**25**	**135**	**40**	**175**	**175**
Grand. TOTAL	**87**	**20**	**5**	**25**	**1450**	**940**	**2390**	**2390**

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	20	200	400	12	03	15	212	203	412
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	20	200	100	300	--	--	--	200	100	300
Lectures delivered	15	800	1000	1800	25	05	30	825	1005	1830
Newspaper coverage	04	--	--	--	--	--	--	--	--	--
Radio talks	06	--	--	--	--	--	--	--	--	--
TV talks	04	--	--	--	--	--	--	--	--	--
Popular articles	06	--	--	--	--	--	--	--	--	--
Extension literature	05	--	--	--	--	--	--	--	--	--
Advisory Services	300	250	50	300	10	5	15	260	55	315
Sci. visit to farmers field	25	80	40	120	10	04	14	90	44	134
Farmers visit to KVK	1200	1000	200	1200	--	--	--	1000	200	1200
Exposure visits	05	75	25	125	--	--	--	75	25	125
Ex-trainees sammelan	01	--	100	100	--	--	--	--	100	100
Animal health camp	01	20	20	40	05	--	05	25	40	65
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
Celebration of important days (specify) world soil day	1	50	25	75	2	0	2	52	25	77
Mahila mandals meetings	01	--	25	25	--	--	--	--	25	25

Celebration of imp. days	03	200	100	300	05	02	07	205	102	307
Krishi mohotsava	04	1000	800	1800	10	02	12	1010	802	1812
Pre kharif workshop	01	150	100	250	02	--	02	152	100	252
Pre rabi workshop	02	120	100	220	03	--	03	123	100	223

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	40,000
	Cabbage	Hybrid	5,000
	Cauliflower	Hybrid	5,000
PLANTATION CROP	Sugarcane	Co.N-13073	400 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	H.F. cross breed	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	0.50	CoN-13073,15073	Oct-Nov.	Dec.-Jan.	400
2	Fruit crops- Mango	3.00	Kesar, Alphanso	-	May	60
3	Vegetable crops	0.10				
	Brinjal		Mukta round	Nov.	-	80000 Seedlings
	Chilly		Eagle (Rasi seeds)	Nov.	-	40000 Seedlings
	Tomato		N.S.-629 (Namdhari seeds)	Nov.	-	20000 Seedlings
4	Seed production					
	Paddy	3.00	Sardar	June-july	Sept. - Oct.	120
	Sugarcane	0.25	CoN-13073	Oct-Nov.	Dec.-Jan.	250
	Greengram	0.10	GM-6	Feb	May	0.5
5	Fodder crops- Hy. Napier	1.00	CO-4	June	Oct.	5000
6	Technology cafeteria*	1.00	-	-	-	-
7	Nutritional Garden*	0.01				
8	IFS Model*	1.00	-	-	-	-
9	Agro forestry- Casuarina	4.00	CH-1,C.H.-2	June	-	-
10	Vermicompost	0.10	compost	-	-	500 qt.
11	Vermiculture	0.10	Culture	-	-	03 qt.
12	SPNF	0.15	Sugarcane-Co-N-13073	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	Drone technology	01
2	Video Clipping	Seed treatment in paddy	01
3	Video Clipping	Nursery management	01
4	Video Clipping	Modified mat nursery method for paddy	01
5	Video Clipping	IPM in paddy	01
6	Video Clipping	KVK in service of farmers	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 Awereness 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 -2023
2	YMV resistant variety (GAM-5)- Boost the productivity of summer moong in valsad district	July-2023
3	Vegetable Nursery management	Feb-2023
4	Impact of nursery training	June-2023

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
	Nandgam, Dhodhadkuva,	2015
Dharampur	Sadadvera , Pindval	2015
	Mamabhacha, Gorakhada, Rajpuri	2017
Pardi	Asma, Arnala, Pati, Panchalai,	2014
	Lakhmapor	2015
Valsad	Ozar,	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, fingermillet, 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 Forest, Valsad, Silvassa	Joint organization of ext. functionaries training.
7	Garuda Aero space pvt Ltd	Drone Demo
8	NABARD	Drone Demo
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 & seminars.
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	DAMU	Agro met advisory	100	0	P.B.Ratia, Aditi solanki
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)
Lakhmapore	91	Green fodder, IPM in mango Improved variety and IPDM in Pulse crops and Paddy Nutritional Garden	75	71500	83500
Khutali	394	Green fodder, Water conservation Improved variety and IPDM in Pulse cropsand Paddy Nutritional Garden Vermicompost Mushroom production	225	83400	94000

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 Kakadkopar, Ambajungle, Narvad,Valveri, Ghotan, Chavshala, Ambheti, Arnai, Amdha, Khutali,Sukhala, Dixal, Varoli, Dhodhdkuva, Kaparada, Ozar, Panas, Ozarada , Niloshi, Ozarada, Motapondha	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	25 Families in each village
2	BLOCK-DHARAMPUR Sadadvera, Nanivahiyal, Samarsingi, Panva, Hanmatmal, Mamabhacha	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 Families in each village
3	BLOCK-PARDI/VAPI Asma, Chival, Ambach, Pati, Samarpada Kherlav, Lakhmapore, Nevri, Panchlai	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 Families in each village
4	BLOCK-UMARGAM Saronda, Borigam Maroli	ICM ,INM, IPM, IWM	50 Families in each village
5	BLOCK-VALSAD Ozar, Juzva, Ronvel	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 2023

Sl.No.	Particulars	Details	Expected No. of participants
1	Farm innovators meet planned	Month proposed- Sept-2023	40

9. Utilization of hostel facilities

S. No.	Month	No. of days to be utilized
1	Production technology of paddy	01
2	Production technology of paddy	01
3	Production technology of pigeon pea	01
4	Production technology of gram	01
5	Production technology of green gram	01
6	Cultivation of Fruit	02

7	Nursery Management	02
8	Dairy management/ diseases management	02
9	Improved feed and fodder mgt. for cattle	02
10	Improved feed and fodder mgt. for cattle	02
11	Improved feed and fodder mgt. for cattle	02
12	Dairy management	02
13	Method of soil and water sample collection and analysis	01
14	Identification and correction of Micronutrient deficiencies	01
15	Preparation and use of Liquid organic manures	02
16	Installation and maintenance of micro irrigation systems	02
17	Use of Plastics in farming practices	02
19	Income generation activities for empowerment of rural Women	04
20	Gender Mainstreaming through SHGs	02
21	Mushroom production Technology	04
22	Mushroom production Technology	04
23	Nursery management	02
24	IPDM in cucurbit vegetables	02
25	Management of pest –disease of paddy	04
26	IPM in pulse crops	02
27	Management of pest-disease of mango	02
28	Bio control of pest in vegetables	02
29	Leadership development	02
30	Formation and management of SHGs	02
31	Nursery raising	02
32	Natural farming	07

10. Details of online activities planned (If any)

S. No.	Type of activities	No. of programmes	Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live, etc)	No. of participants to be covered
1	Farmers trainings	05	Video conferencing	125

2	Farmers scientist's interaction	03	Video conferencing	150
3	Farmers seminars	02	Video conferencing	200
4	Expert lectures	04	Video conferencing	400
5	Any other (Pl. specify)	--	--	--

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	Biotech Kisan Hub	Dept. of Biotechnology	DAMPR- ICAR-ANAND Zandu Foundation	2018-19	Demo of medicinal crop

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										
22/05/2023	PF/FW	Production technology of Paddy	01	15	10	25	15	10	25	25
25/05/2023	PF/FW	Production technology of paddy	01	20	20	40	20	20	40	40
26/05/2023	PF/FW	Production technology of paddy	01	20	20	40	20	20	40	40
01/06/2023	PF/FW	Production technology of paddy	01	20	20	40	20	20	40	40
02/06/2023	PF/FW	Production technology of paddy	01	20	20	40	20	20	40	40
05/06/2023	PF/FW	Production technology of pigeon pea	01	20	10	30	20	10	30	30
06/06/2023	PF/FW	Production technology of pigeon pea	01	20	10	30	20	10	30	30
01/11/2023	PF/FW	Production technology of gram	01	35	15	50	35	15	50	50
02/11/2023	PF/FW	Production technology of gram	01	35	15	50	35	15	50	50

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
Horticulture										
19-20/04/2023	PF/FW	Off-season vegetables cultivation	02	15	10	25	15	10	25	25
13-14/06/2023	PF/FW	Cultivation of Fruit	02	25	--	25	25	--	25	25
25-26/09/2022	PF/FW	Nursery Management	02	15	10	25	15	10	25	25
15-16/02/2024	PF/FW	Nursery Management	02	25	--	25	25	--	25	25
Livestock prod.										
11/04/2023	PF/FW	Feed management	01	05	20	25	05	20	25	25
12/06/2023	PF/FW	Dairy management	01	05	20	25	05	20	25	25
10/11/2023	PF/FW	Disease management	01	05	20	25	05	20	25	25
27/12/2023	PF/FW	Feed management	01	05	20	25	05	20	25	25
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
Soil Health										
11/05/2023	PF	Method of soil and water sample collection and analysis	01	15	10	25	15	10	25	25
15/06/2023	PF	Integrated nutrient management in paddy	01	15	10	25	15	10	25	25
22/09/ 2023	PF	Identification and correction of Micronutrient deficiencies	01	15	10	25	15	10	25	25
29-30/10/ 2023	PF	Preparation and use of Liquid organic manures	02	15	10	25	15	10	25	25
Agril. Engg.										
2-3/07/2023	PF	Efficient Use of water Through PIM	02	--	--	--	25	--	20	20
2-3/10/2023	PF	Water management through use of Moisture	02	-	--	--	25	--	25	25

		Indicator								
12/01/2024	PF	Use of Power Sprayer in orchad	01	--	--	--	25	--	25	25
1/3/2023	PF	Advantages of micro irrigation systems	02	--	--	--	50	--	50	50
Home Science										
15-17/05/2023	PFW	Income generation activities for empowerment of rural Women	03	--	25	25	--	25	25	25
20-22/06/2023	PFW	Nursery management	03	--	25	25	--	25	25	25
15-17/02/2024	PFW	Entrepreneurship development training	03	--	25	25	--	25	25	25
23-24/03/2024	PFW	Vermicomposting	02	--	25	25	--	25	25	25
Plant protection										
02-03/06/2023	PF	IPDM in cucurbit vegetables	02	20	-	20	20	-	20	20
03-04/08/2023	PF	Management of pest –disease of paddy	02	20	-	20	20	-	20	20
12-13/10/2023	PF	Biocontrol of Pest Dis. in pulse crops	02	20	-	20	20	-	20	20
22-23/11/2023	PF	Management of pest-disease of mango	02	20	-	20	20	-	20	20
Capacity Building										
15-16/05/2023	PF	Leadership development	02	20	05	25	20	05	25	25
05-06/07/2023	PFW	Formation and management of SHGs	02	20	05	25	20	05	25	25
10-11/11/2023	PFW	Formation and management of SHGs	02	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										
09/06/2023	PF	Nursery management in paddy	01	15	10	25	15	10	25	25
19/06/2023	PF	Weed management in Paddy	01	15	10	25	15	10	25	25
11/07/2023	PF	Weed management in paddy	01	15	10	25	15	10	25	25

22/07/2023	PF	Water management in pigeon pea	01	15	10	25	15	10	25	25
28/11/2023	PF	Weed management in gram	01	15	10	25	15	10	25	25
24/02/2024	PF	Water management in green gram	01	15	10	25	15	10	25	25
Horticulture										
04/07/2023	PF/FW	Production of low volume and high value crops	01	15	10	25	15	10	25	25
23/08/2023	PF	Off-season vegetables	01	25	--	25	15	10	25	25
29/09/2023	PF	Micro irrigation systems of orchards	01	25	--	25	15	10	25	25
04/10/2023	PF/FW	Plant propagation techniques	01	15	10	25	15	10	25	25
Live Stock Production.										
20/07/2023	PF/FW	Feed management	01	05	20	25	05	20	25	25
26/08/2023	PF/FW	Dairy management	01	05	20	25	05	20	25	25
29/09/2023	PF/FW	Disease management	01	05	20	25	05	20	25	25
Soil Health										
25/05/2023	PF	Raising of paddy seedling in modified dapog nursery	01	15	10	25	15	10	25	25
02/06/2023	PF	Soil management in kharif paddy	01	15	10	25	15	10	25	25
27/06/2023	PF	Application of Novel- Banana psuedostem sap in paddy	01	15	10	25	15	10	25	25
06/07/2023	PF	Application of IFFCO nano urea in paddy crop	01	15	10	25	15	10	25	25
18/10/2023	PF	Application of waste decomposer	01	15	10	25	15	10	25	25
26/10/2023	PF	Production of organic manures	01	15	10	25	15	10	25	25
10/11/2023	PF	Method of soil and water sample collection	01	15	10	25	15	10	25	25
Agril. Engg.										
11/05/2023	PF	Drudgery reduction through paddy thresher	01	--	--	--	50	--	50	50
17/09/2023	PF	Micro irrigation	01	--	--	--	50	--	50	50
21/10/2023	PF	Use of non-conventional sources of energy	01	--	--	--	25	--	25	25
5/02/2024	PF	Soil and water conservation	02	--	--	--	30	--	30	30
Home Science										

27-28/06/2023	PFW	Value addition	02	--	25	25	--	25	25	25
15/08/2023	PFW	nutritional gardening	01	--	25	25	--	25	25	25
19-20/09/2023	PFW	Mushroom production Technology	02	--	25	25	--	25	25	25
17/11/2023	PFW	nutritional gardening	01	--	25	25	--	25	25	25
Plant Protection										
25-26/08/2023	PF	Integrated pest - disease mgt. in paddy	01	20	05	25	20	05	25	25
08-09/09/2023	PF	Management of pest and disease of finger millet	01	20	05	25	20	05	25	25
06-07/10/2023	PF	Integrated pest - disease mgt. in pigeonpea	01	20	05	25	20	05	25	25
21-22/11/2023	PF	Integrated pest - disease mgt. in vegetables	01	20	05	25	20	05	25	25
23-24/02/2024	PF	Bio control of pest in chickpea	01	20	05	25	20	05	25	25
10-11/03/2024	PF	Management of fruitfly in mango	01	20	05	25	20	05	25	25
Capacity Building										
14/ 06/ 2023	PFW	Entrepreneurial development of farmers	01	10	15	25	10	15	25	25
26/10/2023	PF	Formation and management of FIGs	01	10	15	25	10	15	25	25

Iii)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-2023	10	20		20	20		20	20
Entrepreneurship development	Vocational training	Mushroom production Technology	March-2024	04	05	20	25	05	20	25	25
		Mushroom production Technology	August-2023	04	10	15	25	10	15	25	25
		Nursery raising	Oct.-2023	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										

11-12/04/2023	Field workers of NGO	Integrated pest management	02	25	-	25	25	-	25	25
21-22/06/2023	ICDS workers	Nutritional gardening	02	--	25	25	--	25	25	25
08/09/2023	SHGs Group Leader	Formation of FIGs	01	25	--	25	25	--	25	25
OFF Campus										
29/05/2023	Paravet workers	Health management of crossbred cows.	01	25	--	25	25	--	25	25
11/04/2023	Gram sevak	Production technology of Kharif crop	01	20	05	25	20	05	25	25
26/06/2023	Micro Irrigation Systems	Soil & water conservation	01	25	--	25	25	--	25	25
01-15/09/23	Fertilizer dealers	INM for fertilizer dealers	01	--	--	--	15	10	25	25
		Total	07	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	Integrated nutrient mgt. 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 (2023-24) based on proposed action plan

S.	Particulars	BE 2023-24

No.		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	7.00
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	10.00
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