

ANNUAL ACTION PLAN

(1st January 2021 to 31st December 2021)

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 31st December, 2020)

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs./month)
				Current Pay Band	Current Grade Pay		
1.	Senior Scientist and Head	Dr. R.F.Thakor	Ext . Edu.	37400-67000	10000	19/05/01	
2.	Subject Matter Specialist	Sh. K.A.Patel	Pl. Prot.	15600-39100	7600	28/02/94	
3.	Subject Matter Specialist	Sh. A.R.Patel	Ext . Edu.	15600-39100	7600	23/01/96	
4.	Subject Matter Specialist	Sh. L.T.Kapur	Soil Science	15600-39100	7600	16/12/06	
5.	Subject Matter Specialist	Sh. M.M.Gajjar	Agronomy	15600-39100	6600	17/09/13	
6.	Subject Matter Specialist	--	Horti.	--		--	
7.	Subject Matter Specialist	Smt. P.R.Ahir	Home Sci.	9300-34800	5400	01/05/01	
8.	Programme Assistant	Sh. B.M.Patel	Ani .Sci.	9300-34800	5400	02/12/02	
9.	Computer Programmer	Sh. P.J.Joshi	Agri. Engg.	9300-34800	4600	23/12/02	
10.	Farm Manager	Sh. P.R.Patel	Farm manager	9300-34800	5400	01/05/01	
11.	Accountant/Superintendent	Sh. C.D.Patel	O.S	9300-34800	4200	27/09/13	
12.	Stenographer	Sh.V.B.Patel	Accountant	5200-20200	2800	01/11/99	
13.	Driver 1	Sh. R.D.Rohit	Driver	5200-20200	2800	16/06/08	
14.	Driver 2	Sh. H.G.Valand	Driver	5200-20200	2400	01/08/09	
15.	Supporting staff 1	Sh. A.R.Patel	Attendant	5200-20200	1900	01/11/99	
16.	Supporting staff 2	--	Farm Attendant	5200-20200	--	--	

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	215 hrs.	Working condition.
Tractor Trolley	2019	1,50,000	--	Working condition.
Jeep (Bolero)	2010	477058	239824	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
P A S system	1997	10230	Working condition.
Computer -3	2007, 2010,2019	1,02,270 +50,000	Working condition.
L C D	2007	75,400	Working condition.
Camera -2	1997 & 2007	2675 + 15250	Working condition.
Lap Top -2	2007 & 2012	51,750	Working condition.
P A S system	2009	28057	Working condition.
Handicam	2009	12990	Working condition.
Generator set	2009	37972	Working condition.
Laptop –Lenevo	2012, 2019	36368 +35000	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	Oct-2021
2	Scientific Advisory Committee – Meeting 2	--

2. DETAILS OF JURISDICTION AREA UNDER KVK (No. of talukas) : 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 2019-20)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
1	Food grains			
	Paddy (irrigated)	21184	699072	33
	Paddy (Unirrigated)	51572	133055	25.80
	Total Paddy	72756	202962	27.89
	Ragi (Finger millet)	4304	4304	10.00
	Jowar	59	0.068	11.56
	Pigeon Pea	7800	5300	6.87
	Urid	6400	4100	6.41
	Mung	400	213	5.32
	Val	2808	2017	7.18
	Gram	2000	1960	9.78
	Groundnut	300	114	3.75
	Niger	3588	15966	4.40
	Sugarcane	7280	54072	742.75
	Total Field crops	108054	22849	
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 (2020)

Month	Rainfall (mm)	Rainy days	Temperature C		Relative Humidity (%)	
			Maximum	Minimum	Maximum	Minimum
January	0	0	31.68	9.35	72.7	33.73
February	0	0	32.27	12.71	84.61	45.95
March	0	0	35.94	15.13	67.32	38.96
April	0	0	36.07	19.76	70.48	46.87
May	0	0	36.03	25.21	76.07	55.25
June	409	4	34.13	26.38	81.04	70.79
July	1320	23	29.5	22.73	95.71	88.37
August	1292	22	30.12	24.22	91.13	82.61
September	802	21	29.71	22.72	94.47	80.91
October	148	9	32.96	18.35	85.69	57.49
November	0	0	34.84	11.91	75.67	33.17
December	0	0	31.28	9.15	70.7	32.74
TOTAL	3971	79				

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district (Ref. Year 2019-20)

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, Ambheti, Arnai, Amdha, Khutali, Dhodhadkuva, Ozar, Panas, Ozarada ,Karjun, nandgam, Niloshi	Paddy , Finger millet, 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 scarcity Poor 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	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
08	120	127.75	705

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
Farmers/ farm women -67	1745	Field day - 08	480
Rural Youth -04	95	Kisan mela - 01	1000
Extension Functionaries -05	125	Kisan gosthi - 06	300
Sponsored Trainings- 06	225	Exhibition - 02	2500
		Film show -10	300
		Farmers Seminar - 05	600
		Group meetings -30	300
		Lectures in Other programme - 25	2500

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 – 100.00	Sugarcane - 700.00 qt.	--	Soil Sample - 500
Greengram-1.00	Veg. seedlings – 1,10,000 nos	--	Water Sample - 300
	Fodder Toussecks - 50,000 nos.	--	
	Sweetpotato - 60000 cuttings	--	

3.1. B. Operational areas details proposed during 2021

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, Pati , Panchalai, Asma, Pindval	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	--	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	--	Kolvera, Nandgam, Narvad	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	03									03
Integrated Pest Management					01					01
Integrated Disease Management										
Integrated Crop Management										
TOTAL	04		02		01					07

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

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

B. Details of On Farm Trials/ Technology Assessment proposed during 2021

S. 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)	<ul style="list-style-type: none"> Hy. Variety (US-312) @ 15 kg/ha Seed of GAR -13 @ 30 kg/ha Hy, variety (GRH-2) @ 15 kg/ha 	840	10	8400	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 GAM-5 Variety with improved practices T3 : Use of GM-6 Variety with improved practices	NAU, Navsari AAU, Anand	1. Seed of Improved variety (GAM-5) 2. Seed of Improved variety (GM-6) @ 3. IPM Kit /ha	<ul style="list-style-type: none"> Seed of GAM-5 @ 20 kg/ha : 2000 Rs Seed of GM-6 @ 20 kg/ha : 2000 Rs IPM Kit /ha : 1200 Rs 	520	10	5200	Plant height, No of branches per plant Number of seed per pod, Grain yield (q/ha), B:C ratio	03
3	Blackgram	Low yield of Summer Black gram.	Assessment of Blackgram variety for Summer cultivation	T1 : Use of local variety with local practices T2 : Use of G.U.-1 Variety with improved practices T3 : Use of G.U.-3 Variety with improved practices	NAU, Navsari	1. Seed of Improved variety (G.U-1) @ 2. Seed of Improved variety (G,U-3) 3. IPM Kit /ha	<ul style="list-style-type: none"> Seed of G.U-1 @ 20 kg/ha : 2500 Rs Seed of G.U-3 @ 20 kg/ha : 2500 Rs IPM Kit /ha : 1200 Rs 	620	10	6200	Plant height, No of pods per plant Number of seed per pod, Grain yield (q/ha) , B:C ratio	03
4	Calf starter feed	Higher cost of calf rearing.	Assessment of cost effective feed for crossbred calf.	T1 Farmers practices – <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	<ul style="list-style-type: none"> GAU, ANAND NDDDB , ANAND 	Calf starter feed (Vardan made by AMUL)	60 kg	1530 (510 Rs / 20 kg Bag)	10	15300	Growth and health of calf	02

5	Brinjal.	Low yield of Brinjal.	Management of Red Mite in Brinjal.	T1 : Farmers practice (No use of acaricide) T2: Spraying of Spiromesifen 22.29 SC (8.4 ml/ 10 lit. water, 96 g a.i./ha , First spray at fruit setting and second spray at 15 days interval. T3 : Propergite57 Ec @ 10 ml/10 lit Or Neemoil 1500 ppm @ 40 ml/10 lit. at the time of infestation	-- Reco. by NAU, Navsari, 2018 Reco. by NAU, Navsari	1. Spiromesifen 22.29 SC. 2. Propergite 57 EC . 3 Neemoil 1500 ppm	100 ml 100 ml 500 ml	650 200 250	10	11,000	1. Incidence of Pest & its damage on crop, 2. Yield (q/ha), 3. B:C ratio	03 03
6	Fingermillet	Low yield of fingermillet	Assessment of zinc application in Fingermillet crop	T ₁ - Farmer Practice (46 kg N per ha + No application of Micronutrient) T ₂ -. RDF (40:20:00 kg NPK) per ha. + soil application of ZnSO ₄ @ 25 kg/ha as Basal dose T ₃ -. RDF + Seed treatment with ZnO ₂ @ 10 gm/kg seed + Seedling treatment @ 0.5 % ZnSO ₄	Navsari Agri. Uni	ZnSO ₄ ZnO ₂ DAP Urea Seed	3.0 kg 50 gm 4.50 kg 4.50 kg 5.0 kg	210.00 3.50 126.00 26.60 <u>150.00</u> 516.10	20	10, 322	1. Plant height 2. Yield, 3. Soil fertility 4. B C R	

7	Paddy	Low production of summer paddy	Assessment of growth promoter Thiourea on yield of summer paddy	T ₁ -Farmer practice (No use of thiourea) (177:86:00 kg NPK/ha) T ₂ - RDF (100:30:00 kg NPK/ha) T ₃ - RDF + Soaking of paddy seed in 1000 ppm thiourea solution (for 1 ha 25 gm / 25 lit) for 12 hrs. for seedlings + Spray of 1000 ppm (1.0gm/1.0 lit) thiourea solution at second leaf stage of paddy nursery	Navsari Agri. Uni.	Seed Thiourea	9.0 kg 5.0 gm	270.00 <u>6.83</u> 276.83	20	5,536.6	1. No. of tiller 2. Yield 3. B:C ratio	03
8	Paddy	Low production of kharif paddy	Assessment of efficiency Nauroji LBF and AAU developed Liquid manure	T ₁ -Farmer practice (177:86:00 kg NPK/ha)	Navsari Agri. Uni. and Anand Agri. Uni.	Seed Azoto. PSB Buttermilk Besan Jeggary Barrel	12 kg 0.5 lit 0.5 lit 2 lit. 2 kg 2 kg 01	360.00 60.00 60.00 50.00 140.00 80.00 <u>1000.00</u> 1,750.0	20	35,000	1. No. of tiller 2. Yield 3. Soil fertility 4. B:C ratio	03

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 & Seedling Treatment, Line sowing,	Seed – 30 kg/ha -18000 Rs LBF – Azotobacter 2.50 lit/ha – 5000 Rs. LBF- PSB 2.50 lit/ha – 5000 Rs. Vermicompost – 100 kg/ha – 10,000 Rs..	Kharif-2021	20	100	Yield, B:C ratio
2	Finger millet	Guj. Nagli-5	ICM	Improved variety, Management of stem borer and blast	Seed - 5 kg/ha - 2000 Rs Neem oil - 1.5 lit/ha . (680Rs/Lit) 10200 Rs. Pseudomonas - 1.5 kg/ha . (360 Rs/ kg) 5400 Rs.	Kharif-2021	05	25	Yield, Damage, B:C ratio
3	Pigeon Pea	GT-104	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. Trichoderma viridi – 2.5 kg/ha-1250 Rs.	Kharif-2021	05	25	Yield, B:C ratio
4	Indian bean	Guj.Val-2	ICM	Improved variety, Line sowing, Treated seed, Management of pod borer	Seed -20 kg/ha -20000 Rs Neem oil - 1.5 lit/ha . (680Rs/Lit) 10200 Rs.	Rabi-2021	10	50	Yield, B:C ratio
5	Chickpea (NFSM)	GJG-3	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-2021	10	25	Yield, B:C ratio
6	Green gram (NFSM)	GAM-5	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-2021	10	25	Yield, B:C ratio
7	Bittergourd	F1 (Akash)	ICM	Improved variety, Mgt. of fruit fly & Diseases.	Seed @ 1 kg/ha (440 Rs/ 50g Pkt.) -22000 Rs. Fruit fly traps @10 Traps/ha –1750 Rs. Neem oil - 1.5 lit/ha (680Rs/Lit) 2550 Rs.	Kharif-2021	2.5	25	Yield, B:C ratio

8	Sweet potato	C-71	ICM	Improved variety, Seed treatment, INM	Cuttings - 60000 no. -30000Rs.	Kharif-2021	01	10	Yield, B:C ratio
9	Paddy	Jaya	INM	Nutrient mgt.	Novel- Spray (03) @10 lit/ha. -6000 Rs.	Kharif-2021	05	25	Yield, B:C ratio
10	Brinjal	DPR	INM	Nutrient mgt.	Mix micronutrients @ 25kg/ha. (450Rs/10kg) - 5625 Rs.	Rabi-2021	05	25	Yield, B:C ratio
11	Paddy	Jaya	INM	Azolla Nursery	Azolla bed (25 no.) 1000 Rs/bed - 25000 Rs.	Rabi-2021	--	25	Yield, B:C ratio, soil fertility
12	Paddy	Jaya	INM	Green manuring	Sunnhamp seed- @30 kg/ha. 3000 Rs.	Kharif-2021	02	10	Yield, B:C ratio, soil fertility
13	Sugarcane	CON-13073	ICM	Improved variety, Seed treatment, INM	Seed (5 tone/ha) – 18900 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-2021	01	10	Yield, B:C ratio
14	Perennial grass	Co – 4	ICM	Improved variety	Fodder Touscess- 40000 nos.- 20000 Rs.	Kharif-2021	05	50	Fodder yield
15	Fodder sorghum	SSG-501	ICM	Improved variety	Seed – @ 70 kg/ha. (28 Rs/ kg) 9800 Rs	Rabi-2021	05	50	Fodder yield
16	Feed Supplement	By Pass Fat	Nutrition Mgt.	Feed Supplement	By Pass Fat @ 100 g/animal. /day (188 Rs/ 1kg pkt.) 11280 Rs.	Dec-2021	-	20	Milk yield, B:C ratio
17	Mushroom	Pleurotus spp.	ICM	Improved variety	Seed and Plastic bags- (1000 Rs / unit) – 40000 Rs	Sept & Dec-2021	--	40	Yield, B:C ratio
18	Plug nursery	-	Income generation	Seedling raising in Plastic tray	Plastic Tray- 20 no/ unit (15 Rs/ tray) - 7500 Rs.	Dec-2021	-	25	Yield, B:C ratio
19	Kitchen garden	Seeds & seedlings of vegetables	Mal nutrition	Improved Variety	Seed and seedlings of different Vegetables - 2500 Rs	Nov-2021	0.25	25	Yield, B:C ratio
20	Vermi compost	Eisenia foetida	Income generation	Vermicomposting	Earthworms 2 kg /unit (200Rs/kg) -8000 Rs.	Oct-2021	-	20	Yield, B:C ratio

Sponsored Demonstration – Nil

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	08	September, December, January, April,	800
2	Farmers Training	10	June, July, October, November, December, February	250
3	Media coverage	08	June, July, October, November, December, February	--
4	Training for extension functionaries	--	--	--

C. Details of FLD on Enterprises

a. Farm Implements

Name of the implement	Crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators
Mango Bedni (Harvester)	Mango	Summer-2021	15	15	Bedni	Higher Market price
Paddy Thresher	Paddy	Rabi-2021	60	25	Paddy Thresher	Drudgery reduction
Bucket Irrigation	Vegetables	Summer-2021	20	01	Bucket Kit	Saving in water ,C:B
		Total	95	41		

b. Livestock and Fisheries Enterprises- Nil

c. 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	05	--	--	--	95	115	210	210
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
IV Livestock Production and Management								
Dairy management	02	--	--	--	10	40	50	50
Feed management	03	--	--	--	15	60	75	75
Disease management	02				10	40	50	50
V Home Science/Women empowerment								
Income generation activities for empowerment of rural Women	02	--	--	--	--	50	50	50
Nutritional gardening	01	--	--	--	--	25	25	25
Nursery management	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	02	--	--	--	50	--	50	50
Use of Plastics in farming practices	02	--	--	--	50	--	50	50
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	34				485	450	935	935
(B) Rural Youth								
Tractor operator (SKILL INDIA)	01	--	--	--	20	-	20	20
Nursery management	01	--	--	--	--	25	25	25
Mushroom Production	02				15	35	50	50
TOTAL	04	--	--	--	35	60	95	95
I 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	41				570	535	1105	1105

B. OFF Campus

Thematic Area	No. of Courses	No. of Participants							Grand Total
		Others			SC/ST				
		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									
Integrated Nutrient Management	01	--	--	--	15	10	25	25	
Nutrient Use Efficiency	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								
Mushroom production Technology	02	--	--	--	--	50	50	50
Household food security	01	--	--	--	--	25	25	25
Value addition	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Soil and water conservation	01	--	--	--	30	--	30	30
Drudgery reduction	02	--	--	--	50	--	50	50
Micro irrigation	02	--	--	--	50	--	50	50
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	33				480	350	830	830
(B) Rural Youth	00	--	--	--	00	00	00	00
(C) Extension Personnel								
Health management of crossbred cows.	01	--	--	--	25	--	25	25
Soil and water conservation	01	--	--	--	25	--	25	25
Total	02	--	--	--	50	--	50	50
G. TOTAL	35				530	350	880	880

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						Grand Total
		Others			SC/ST			
		Male	Female	Total	Male	Female	Total	
(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	05	--	--	--	95	115	210	210
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	01				15	10	25	25
Micro nutrient deficiency in crops	01				15	10	25	25
Soil and Water Testing	02				30	20	50	50
Integrated Nutrient Management	01				15	10	25	25
Nutrient Use Efficiency	01				15	10	25	25
IV Livestock Production and Management								
Dairy management	03	--	--	--	15	60	75	75
Feed management	04	--	--	--	20	80	100	100
Disease management	03				15	60	75	75
V Home Science/Women empowerment								
Income generation activities for empowerment of rural Women	02	--	--	--	--	50	50	50
Nutritional gardening	01	--	--	--	--	25	25	25
Mushroom production Technology	02	--	--	--	--	50	50	5

Nursery management	01	--	--	--	--	25	25	25
Household food security	01	--	--	--	--	25	25	25
Value addition	01	--	--	--	--	25	25	25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	02	--	--	--	50	--	50	50
Use of Plastics in farming practices	02	--	--	--	50	--	50	50
Soil and water conservation	01	--	--	--	30	--	30	30
Drudgery reduction	02	--	--	--	50	--	50	50
Micro irrigation	02	--	--	--	50	--	50	50
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	67	--	--	--	945	800	1745	1745
(B) Rural Youth								
Tractor operator (SKILL INDIA)	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
Health management of crossbred cows.	01	--	--	--	25	--	25	25

Soil and water conservation	01	--	--	--	25	--	25	25
Total	05				100	25	125	125
G. TOTAL	76				1080	885	1965	1965

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	08	420	270	690	10	--	10	430	270	700
Kisan mela	01	600	400	1000	12	03	15	612	403	1015
Kisan gosthi	06	300	200	500	08	02	10	310	202	510
Exhibition	02	1500	1000	2500	10	04	14	1510	1004	2514
Film show	12	200	100	300	--	--	--	200	100	300
Farmers Seminar	05	400	200	600	07	03	10	407	203	610
Group meetings	30	200	100	300	--	--	--	200	100	300
Lectures delivered	25	1500	1000	2500	25	05	30	1525	1005	2530
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	03	60	90	150	10	--	10	70	90	160
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 conveners 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

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS	Paddy	GAR-13, GR-7, Sardar	100.00
		Greengram	1.00

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
VEGETABLES	Brinjal	Hybrid	1,20,000
	Tomato	Hybrid	20,000
	Chilli	Hybrid	20,000
	Cabbage	Hybrid	5,000
	Cauliflower	Hybrid	5,000
PLANTATION CROP	Sugarcane	Co.N-13073	700 qt.
OTHER (Specify)	Fodder tousseks	Co - 4	50,000 (tousseks)
	Sweetpotato	C- 71	60000 cuttings

Bio-products

Sl. No.	Product Name	Species	Quantity	
			Kg	Lit
Bio Agents 1. Fruitfly traps	Fruitfly traps	Methyl Euginol traps	1000	--

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					
	Paddy	3	GR-17, GAR-13	June-july	Sept. - Oct.	120
	Sugarcane	2	CoN-13073	Oct-Nov.	Dec.-Jan.	1500
2	Fruit crops					
	Mango	3	Kesar,Alphanso	-	May	60
3	Vegetable crops	1				
	Brinjal		Mukta round	Nov.	-	Seedling
	Chilly		Eagle (Rasi seeds)	Nov.	-	Seedling
	Tomato		N.S.-629 (Namdhari seeds)	Nov.	-	Seedling
4	Seed production					
	Paddy	3	GR-17, GAR-13	June-july	Sept. - Oct.	120
	Sugarcane	2	CoN-13073	Oct-Nov.	Dec.-Jan.	1500
5	Fodder crops					
	Hy.Napier	1	CO-4	June	Oct.	1000
6	Technology cafeteria*	1.5	-	-	-	-
7	Nutritional Garden*	0.1				
9	IFS Model*	1	-	-	-	-
10	Agro forestry	2	CH-1,C.H.-2	June	-	-
	Casuarina	2				

*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	Farm Pond	01
2	Video Clipping	Seed treatment in paddy	01
3	Video Clipping	Gangama mandal	01
4	Video Clipping	Modified mat nursery method for paddy	01
5	Video Clipping	Management of Fruitfly	01
6	Video Clipping	KVK in service of farmers	01
7	Video Clipping	Silage preparation	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 Diesel Engine repairing Training to rural youth	July-2021
2	YMV resistant variety (GAM-5)- Boost the productivity of summer moong in valsad district	July-2021
3	Vegetable Nursery management	Feb-2021
4	Impact of Modified mat nursery method for paddy in Tribal farming	June-2021
5	Impact of IPM module in vegetable beans.	Dec-2021

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

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 and sweetpotato.
2	ATMA	Training and organizing farmers 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 technology week.
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	Vasudhara dairy	Joint implementation of farmers, farm women & ext. functionaries training.
8	Rural Technology Institute , Pardi	Joint implementation of vocational trainings.
9	J. N.P.C. Trust, Kaparada	Joint implementation of farmers trainings & seminars.
10	BAIF, Kaparada	Joint implementation of farmers trainings
11	Jain Irrigation Co , Dharampur	Soil and water sample analysis.
12	Disrtict 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 2021, 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	Smt. P.B.Ratia, Kum. Aditi solanki
2	NARI	Training	05	--	Smt. P.R.Ahir , Sh.P.R.Patel
		Demonstration	05		
3	DFI	Training	12	--	Sh. A.R.Patel ,Sh. K.A.Patel Sh. B.M.Patel Sh. L.T.Kapur, Sh. M.M.Gajjar
		Demonstration	08		
4	PKVY	Training	07	340000	Sh. P.J.Joshi , Sh. K.A.Patel, Sh. L.T.Kapur, Sh. M.M.Gajjar
		Demonstration	20ha (100 farmers)		
		Awareness programme	02		
5	ASCI	Skill Training	01	263000	Sh. P.J.Joshi

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	Greenfodder, IPM in mango Improved variety and IPDM in Pulse crops Improved variety and IPDM in Paddy Nutritional Garden	75	71500	83500
Khutali	394	Greenfodder, Water conservation Improved variety and IPDM in Pulse crops Improved variety and IPDM in 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	200
		Demonstration	100

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

S. No.	Name of the village	Activities planned	No. of families to be covered
01	Panchalai, samarpada, Asma ,Rabdi	Training	100
		Demonstration	100
		Awareness programme	100

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

S. No.	Name of Job Role	Duration (No. of hours)	No. of participants
1	Tractor Operator	200	20

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, Ambheti, Arnai, Amdha, Khutali, Dhodhadkuva, Ozar, Panas, Ozarada ,Karjun, nandgam, Niloshi	ICM ,INM, IPM, IWM Feed & fodder mgt. Integrated livestock mgt.	50 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

6.5.6. 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 2021

S. No	Name of the village	No. of IFS models to be identified / developed	Major components of IFS model
1	Khutli	01	Dairy
2	Panas	01	Dairy
3	Lakhmapor	01	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 2021

Sl.No.	Particulars	Details	Expected No. of participants
1	Farm innovators meet planned	Month proposed- Sept-2021	40

9. Utilization of hostel facilities

S. No.	Month	No. of days to be utilized
1	Production technology of paddy	04
2	Production technology of paddy	02
3	Production technology of pigeon pea	02
4	Production technology of gram	02
5	Production technology of green gram	02
6	Cultivation of Fruit	02
7	Nursery Management	02
8	Dairy management/ diseases management	04
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	02
14	Identification and correction of Micronutrient deficiencies	02
15	Preparation and use of Liquid organic manures	04
16	Installation and maintenance of micro irrigation systems	04
17	Use of Plastics in farming practices	04
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	04
28	Bio control of pest in vegetables	02
29	Leadership development	02
30	Formation and management of SHGs	02
31	Nursery raising	04
32	Tractor Operator (SKIL INDIA)	25

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

Training Programme

(i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
01-02/02/2020	PF/FW	Production technology of green gram	02	15	10	25	15	10	25	25
25-28/05/2020	PF/FW	Production technology of paddy	04	20	40	60	20	40	60	60
29-30/05/2020	PF/FW	Production technology of paddy	02	20	20	40	20	20	40	40
04-05/06/2020	PF/FW	Production technology of pigeon pea	02	20	30	50	20	30	50	50
08-09/11/2020	PF/FW	Production technology of gram	02	20	15	35	20	15	35	35
Horticulture										
11-14/06/2020	PF/FW	Cultivation of Fruit	02	25	--	25	25	--	25	25
25-28/09/2020	PF/FW	Nursery Management	02	15	10	25	15	10	25	25
Livestock prod.										
05-06/01/2021	PF/FW	Feed management	02	05	20	25	05	20	25	25
19-20/01/2021	PF/FW	Dairy management	02	05	20	25	05	20	25	25
04-05/02/2021	PF/FW	Disease management	02	05	20	25	05	20	25	25
16-17/03/2021	PF/FW	Feed management	02	05	20	25	05	20	25	25
14-15/06/2021	PF/FW	Feed management	02	05	20	25	05	20	25	25
12-13/10/2021	PF/FW	Dairy management	02	05	20	25	05	20	25	25
10-11/11/2021	PF/FW	Disease management	02	05	20	25	05	20	25	25
Soil Health										
11- 12/05/2020	PF	Method of soil and water sample collection and analysis	02	15	10	25	15	10	25	25
25-26/09/ 2020	PF	Identification and correction of Micronutrient deficiencies	02	15	10	25	15	10	25	25
13-16/10/ 2020	PF	Preparation and use of Liquid organic manures	04	15	10	25	15	10	25	25

Agril. Engg.										
20-23/10/2020	PF	Installation and maintenance of micro irrigation systems	04	25	--	25	25	--	25	25
11-14/07/2020	PF	Use of Plastics in farming practices	04	25	--	25	25	--	25	25
Home Science										
18-19/01/2021	PFW	Nutritional gardening	02	--	25	25	--	25	25	25
15-16/02/2021	PFW	Nursery management	02	--	25	25	--	25	25	25
19-20/04/2021	PFW	Vermi composting	02	--	25	25	--	25	25	25
20-21/05/2021	PFW	Income generation activities for empowerment of rural Women	02	--	25	25	--	25	25	25
Plant protection										
02-03/06/2021	PF	IPDM in cucurbit vegetables	02	20	-	20	20	-	20	20
05-06/08/2021	PF	Management of pest –disease of paddy	02	20	-	20	20	-	20	20
15-16/10/2021	PF	Biocontrol of Pest Dis. in pulse crops	02	20	-	20	20	-	20	20
26-27/11/2021	PF	Management of pest-disease of mango	02	20	-	20	20	-	20	20
Capacity Building										
17-18/05/2021	PF	Leadership development	02	20	05	25	20	05	25	25
07-08/07/2021	PFW	Formation and management of SHGs	02	20	05	25	20	05	25	25
10-11/12/2021	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										
16/02/2020	PF	Water management in green gram	01	15	10	25	15	10	25	25
26/02/2020	PF	Weed management in green gram	01	15	10	25	15	10	25	25
02/06/2020	PF	Nursery management in paddy	01	15	10	25	15	10	25	25
10/07/2020	PF	Weed management in paddy	01	15	10	25	15	10	25	25
22/07/2020	PF	Water management in pigeon pea	01	15	10	25	15	10	25	25
27/11/2020	PF	Weed management in gram	01	15	10	25	15	10	25	25
Horticulture										
02-03/07/2020	PF/FW	Production of low volume and high value crops	02	15	10	25	15	10	25	25
23-24/08/2020	PF/FW	Off-season vegetables	02	15	10	25	15	10	25	25
Live Stock Production.										
20-21/07/2021	PF/FW	Feed management	02	05	20	25	05	20	25	25
26-27/08/2021	PF/FW	Dairy management	02	05	20	25	05	20	25	25
29-30/09/2021	PF/FW	Disease management	02	05	20	25	05	20	25	25
Soil Health										
16-17/06/2020	PF	Use of liquid bio fertilisers in paddy	02	15	10	25	15	10	25	25
07-08/07/2020	PF	Use of Leaf colour charts for efficient use Nitrogen in paddy crop	02	15	10	25	15	10	25	25
11-12/11/2020	PF	Method of soil and water sample collection	02	15	10	25	15	10	25	25
Agril. Engg.										
10/01/2020	PF	Micro irrigation in vegetables	01	25	--	25	25	--	25	25
15/02/2020	PF	Micro irrigation	01	25	--	25	25	--	25	25
19/05/2020	PF	Soil and water conservation	01	25	--	25	25	--	25	25
16-17/09/2020	PF	Drudgery reduction in paddy threshing	02	25	--	25	25	--	25	25

25/09/2020	PF	Drudgery reduction in paddy threshing	01	25	--	25	25	--	25	25
Home Science										
24/06/2021	PFW	Value addition	01	--	--	--	--	25	25	25
16-17/09/2021	PFW	nutritional gardening	01	--	--	--	--	25	25	25
07-08/10/2021	PFW	Mushroom production Technology	02	--	--	--	--	25	25	25
09-10/12/2021	PFW	Mushroom production Technology	02	--	--	--	--	50	50	50
Plant Protection										
25-26/02/2021	PF	Bio control of pest in chickpea	02	20	05	25	20	05	25	25
10-11/03/2021	PF	Management of fruitfly in mango	02	20	05	25	20	05	25	25
27-28/08/2021	PF	Integrated pest - disease mgt. in paddy	02	20	05	25	20	05	25	25
08-09/09/2021	PF	Management of pest and disease of finger millet	02	20	05	25	20	05	25	25
06-07/10/2021	PF	Integrated pest - disease mgt. in pigeonpea	02	20	05	25	20	05	25	25
12-13/11/2021	PF	Integrated pest - disease mgt. in vegetables	02	20	05	25	20	05	25	25
Capacity Building										
11-12/ 06/ 2021	PFW	Entrepreneurial development of farmers	01	10	15	25	10	15	25	25
26-27/11/2021	PF	Formation and management of FIGs	01	10	15	25	10	15	25	25

i) 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	Tractor Operator (SKIL INDIA)	Feb-2021	25	20		20	20		20	20
Entrepreneurship development	Vocational training	Mushroom production Technology	March-2021	04	05	20	25	05	20	25	25
		Mushroom production Technology	August-2021	04	10	15	25	10	15	25	25
		Nursery raising	Oct.-2021	04	--	25	25	--	25	25	25
		TOTAL			35	60	95	35	60	95	95

iii) 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										
13-14/04/2021	Field workers of NGO	Integrated pest management	02	25	-	25	25	-	25	25
21-22/06/2021	ICDS workers	Nutritional gardening	02	--	25	25	--	25	25	25
08-09/09/2021	SHGs Group Leader	Formation of FIGs	02	25	--	25	25	--	25	25
OFF Campus										
21/05/2021	Paravet workers	Health management of crossbred cows.	01	25	--	25	25	--	25	25
16/06/2021	Soil & water conservation Department Supervisors	Soil & water conservation	01	25	--	25	25	--	25	25
		Total	--	100	25	125	100	25	125	125

IV) 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
Animal science	ATMA	PF/PFW	Improved feed and fodder mgt. for cattle	01	05	25	30	05	25	30	30
Home science	ATMA	PFW	Nutritional gardening	01	--	40	40	--	40	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
Ext. education	ATMA	PF	Formation and mgt. of SHGs	01	30	--	30	30	--	30	30
			Total	06	110	115	225	110	115	225	225
b) Sponsored research programme : Nil											

Details of Budget Estimate (20210-22) based on proposed action plan

S. No.	Particulars	BE 2021-22 proposed (Rs.lakh)
14.1	Recurring Contingencies	
14.1.1	Pay & Allowances	175.00
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	5.50
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	192.00
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	192.00