ICAR-ATARI, Pune
DETAILS OF ANNUAL ACTION PLAN OF KVK, Rajkot-I
(1st January-2024 to 31st December-2024)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
	Office	FAX		
Krishi Vigyan Kendra, Junagadh Agricultural University, Targhadia-360 023, Rajkot-I, Dist.: Rajkot, Gujarat State	(0281) 2784170	(0281) 2784170	kvkrajkot@gmail.com	www.jau.in

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

Address	Telephone		E mail	Website address
	Office	FAX		
Junagadh Agricultural University, Junagadh (Gujarat)	(0285) 2672080	(0285) 2672653	dee@jau.in	www.jau.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. G.V. Marviya	(0281) 2784170	9825554434	gvmaravia@jau.in

1.4. Year of sanction: September – 2004

1.5. Staff Position

Sl. No.	Sanctioned post	Name of the incumbent	Mobile No.	Discipline	If Permanent, please indicate		Date of joining
					Current Pay Band	Current Grade Pay	
1.	Senior Scientist and Head	Dr. G. V. Marviya	9825554434	Bio-chemistry	131400-217100 (UL-13A)	139400/-	1-1-2022
2.	Subject Matter Specialist	Dr. M. M. Tajpara	9427667135	Animal Science	68900-205500 (UL-11)	98300/-	4-8-2015
3.	Subject Matter Specialist	Dr. J. H. Chaudhary	9978303111	Agronomy	57700-182400 (UL-10)	68800/-	1-8-2017
4.	Subject Matter Specialist	Vacant	-	Plant Protection	-	-	-

5.	Subject Matter Specialist	Dr. J. N. Thaker	9824224247	Horti-culture	79800-211500 (UL-12)	101100	1-04-2023
6.	Subject Matter Specialist	Shri D. P. Sanepara	9426449712	Agril. Engg.	68900-205500 (UL-11)	107300/-	1-11-2016
7.	Subject Matter Specialist	Smt. H. H. Padsumbiya	9979673732	Home Science	68900-205500 (UL-11)	98300/-	17-2-2022
8.	Programme Assistant	Vacant	-	-	-	-	-
9.	Computer Programmer	Miss. R. T. Padaliya	9979027064	Computer	44900-142400 (L-8)	53600/-	3-1-2009
10.	Farm Manager	S. R. Rathva	9712313538	Plant Breeding	39900-126600 (L-7)	39900/-	30-7-2018
11.	Accountant/ Superintendent	M. D. Vachhani	9825066876	-	39900-126600 (L-7)	46200/-	1-2-2024
12.	Stenographer	Vacant	-	-	-		
13.	Driver 1	Vacant	-	-	-	-	-
14.	Driver 2	Vacant	-	-	-	-	-
15.	Supporting staff 1	Vacant	-	-	-	-	-
16.	Supporting staff 2	Vacant	-	-	-	-	-

1.6. Total land with KVK (in ha):

Sr. No.	Item	Area (ha)
1	Under Buildings	2.87
2.	Under Demonstration Units	0.50
3.	Under Crops	13.80
4.	Horticulture	0.50
5.	Farm Pond	0.48
6.	Others (Road & drainage)	1.85
	Total	**20.00**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Comple-tion Year	Plinth area (Sq. m)	Expenditure (Rs.)	Starting year	Plinth area (Sq. m)	Status of construction
1.	Administrative Building	KVK	31-3-2011	550	5500000	-	-	-
2.	Farmers Hostel	KVK	31-3-2011	305	3000000	-	-	-
3.	Staff Quarters (6)	KVK	31-3-2011	400	4000000	-	-	-
4.	Demonstration Units: (8)					-	-	-

	Solar water pumping system	ATIC	2019	7.5 HP	262500	-	-	-
	Bio gas plant	RKVY	2007	10 cu.m	42000	-	-	-
	Farm implement demo.	RKVY	2009	Diff. farm implements	-	-	-	-
	Vermi-compost unit	KVK	2018	-	-	-	-	-
	Farm waste compositing	KVK	2019	7 m x 5 m	-	-	-	-
	Entomophagous park	KVK	2018	0.10 ha	-	-	-	-
	Crop cafeteria	KVK	2012	0.10 ha	-	-	-	-
	Kitchen garden	KVK	2018	0.05 ha	-	-	-	-
5	Fencing/ Farm wall					-	-	-
6	Rain Water harvesting system: (5)							
	Farm pond-1	KVK	2012	9000 cu.m capacity	105000	Runoff is collecting from 12 ha agricultural land		
	Farm pond-2	KVK	2010	850 cu.m capacity	-	Runoff is collecting from 2 ha agricultural land and 3 ha building area		
	Roof water harvesting tank	KVK	2017	Size: L: 6.10 m W: 3.10 m H: 2.50 m	204285	Rain water harvesting in underground tank (Cap: 50000 lt.) from 300 sq.m office roof area		
	Open well recharging structure	KVK	2013	Size: L: 2.0 m W: 2.0 m H: 1.5 m	9500	Runoff from 5 ha area for open well recharging		
	Bore well recharging structure	KVK	2018	Size: L: 1.5 m W: 1.0 m H: 1.0 m	12500	Rain water harvesting from 190 sq.m roof area for bore well recharging		
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	KVK	2012	-	400000	-	-	-
9	Seed hub godown	ICAR	2019	196.80	3500000	-	-	-
10	ICT lab	-	-	-	-	-	-	-
11	Store room	RKVY	09-02-10	70.61	454500	-	-	-
12	Training hall	RKVY	11-02-10	190.99	1395800	-	-	-
13	Processing unit	RKVY	11-02-10	197.31	1536400	-	-	-
14	Implement shed	RKVY	09-02-10	77.33	297800	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Running	Present status
Jeep (Bolero Neo) (GJ-3GA-1805)	2022	830000	50640	Working
Motorcycle (GJ-3DF-5781)	2010	50000	57525	Working
Tractor (Mahindra 39 HP) (GJ-3CL-7668)	2011	440000	-	Working

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Generator set	2002	24900	Working
Color TV (Akai)	2002	13850	Working
LCD Project (Panasonic PT LC 50)	2002	164368	Working
PA Audio Vision System	2002	20000	Working
Computer System (Intel Pentium IV)	2003	32000	Working
Computer Genius Desktop (Wipro Super)	2006	-	Working
Refrigerator (Electronic Kelvinator)	2006	10,500	Working
Solar steel digital water plant	2006	45000	Working
Balaji Bio Gas Plant	2007	32000	Working
Tractor Mounted Sprayer (Aspee)	2007	32000	Working
Laptop Computer (HCL)	2008	47500	Working
Air Assisted Blower type Sprayer	2009	98750	Working
Photo Copier Machine (Richo)	2009	115300	Working
LCD Projector (PT-CB50NTE-2GA - Panasonic)	2009	92155	Working
DVD Home theater system with Speaker (HCL)	2009	28000	Working
LCD TV 22” (Model- 22LG30 - L. G.)	2009	27287	Working
Cotton Stalk Shredder	2009	121000	Working
Groundnut Digger-Tractor Operated	2009	78500	Working
Cultivator cum Rotavator	2009	90000	Working
Groundnut Decorticator	2009	95850	Working
Multi Crop Thresher	2009	114000	Working
Processing Unit	2009	1685000	Working
Plantar – Tractor operator	2009	44000	Working
Digital Camera (Nikon) P- 90 12.1	2010	24300	Working
Desktop Veriten PC (Acer)	2016	46032	Working
Digital Xerox Machine with Printer	2016	144391	Working
K-yan Pro standerd	2016	110644	Working
Home UPS inverters system	2016	79000	Working
Smart Television (LG)	2021	189975	Working
Portable Sound System (AHUJA)	2022	17000	Working
Desktop computer (Dell)	2022	25000	Working
Laptop (HP)	2022	40000	Working
Air Conditioner -1.5 ton (Haier)	2022	37500	Working
Air Conditioner -1.5 ton (Haier)	2022	37500	Working

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Desktop computer (Lenovo)	2022	63690	Working
Desktop computer (Lenovo)	2022	63690	Working
Desktop computer (Lenovo)	2022	63690	Working
Power Generator DG set of 45 kVA	2023	485000	Working
Tokary type Multi-crop Thresher	2023	300000	Working
Erecting 15 kW Solar Roof Top System (2 No.)	2023	1294431	Working

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

Sl.No.	Date
1. Scientific Advisory Committee	31st January-2024

2. DETAILS OF DISTRICT

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

Sr. No	Farming system/enterprise
1	Groundnut – Wheat/ Cumin/ Chick pea, Cotton – Summer Groundnut/ Sesame/ Pulses
2	Dairy product
3	Farm waste management specially for cotton stalk
4	Fruit and vegetable preservation
5	Value addition in groundnut, sesame, gram, etc.

2.2 Description of Agro-climatic Zone & major agro ecological situations

a) Soil type

Sr. No	Agro-climatic Zone	Characteristics
1.	North Saurashtra Agro Climatic Zone (VI)	The total geographical area of North Saurashtra Agro Climatic Zone is 35.2 Lacs ha. Out of total area, 73.40 per cent area falls under arid and semi-arid region. The soils of this zone are shallow to moderately deep. The soils of Rajkot district are low in their availability of nitrogen while medium in phosphorus and high in available potash except the available phosphorus and potash is in medium category in adopted villages. Monsoon commences usually by the end of June and withdraws by middle of September. Average annual rainfall of district is 648 mm while 587.5 mm during 2023.

b) Topography

Sr. No	Agro ecological situation	Characteristics
1.	Situation No. 4	Shallow black soil with 500-600 mm Rainfall
2.	Situation No. 14	Hilly Soils with 500-600 mm Rainfall

2.3 Soil types

Sr. No	Soil type	Characteristics
1.	Clay to clay loam	Medium black calcareous soil
2.	Sandy Clay Loam to Clayey	Well drained soil with rapid permeability
3.	Sandy to Sandy loam 10 cm, Calcareous	Well drained soils

2.4. Area, Production and Productivity of major crops cultivated in the district (2022-23)

Sr. No	Crop	Area (ha)	Production (Tone)	Productivity (Kg. /ha)
1	Groundnut	242497	614268	2533
2	Cotton	233606	530299	2270
3	Sesamum	1295	1215	938
4	Castor	6367	14083	2212
5	Pearl millet	230	49	213
6	Green gram	1941	1861	959
7	Black gram	1017	1067	1049
8	Pigeon pea	3072	5779	1881
9	Wheat	90102	350150	3886
10	Chick pea	74574	251633	3374
11	Cumin	19091	16016	839
12	Groundnut (Summer)	1850	4438	2399
13	Pearl millet (Summer)	522	1816	3480

Source: District agriculture department

2.5 Weather data (2023)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	0.3	26.5	10.0	68	30
February	0.0	33.1	13.5	67	31
March	34.6	35.0	18.7	68	32
April	0.0	37.4	21.5	77	27
May	6.1	39.3	24.8	77	38
June	256.7	36.8	25.6	81	53
July	190.2	32.0	25.2	88	75
August	10.4	32.0	24.7	83	52
September	71.7	33.5	24.1	84	58
October	0.0	35.5	20.8	76	34
November	17.5	33.1	17.5	59	33
December	0.0	29.4	14.3	65	35
Total/Ave.	**587.5**	**33.6**	**20.1**	**74**	**42**

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

Category	Population	Production	Productivity
Cattle			
Crossbred	4,52,000	33,26,900 (Milk)	
Indigenous			
Buffalo	3,62,000	52,84,700 (Milk)	
Sheep	2,63,400	2,66,810 (Wool)	
Goats	1,97,000	2,31,240 (Milk)	
Pigs	1,000		
Crossbred			
Rabbits			
Poultry		**Production of eggs (No.)**	
Hens (*Crossbred)*	13,400	32,52,000 (Egg)	
Desi	7,800	3,92,000 (Egg)	
Category		**Production (Q.)**	**Productivity**
Fish (Reservoir)			

2.7 Details of Operational area / Villages

Sr. No.	Taluka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Rajkot	Cluster I	Gunda	Groundnut, Cotton, Sesame, Wheat, Cumin, Chickpea, Garlic, Onion. Enterprises are dairy business, Vermi composting, Preparation of roasted groundnut and chikki from groundnut and sesame	Pink ball worm in cotton, Heavy infestation of sucking pest in cotton, Phytopthora disease in sesame and White grub infestation in groundnut, long inter-calving period in buffalo, Nutritional deficiency in animal feed and fodder, Less area under horticultural crops, Anemia problem in adolescent girls	• IPM and INM in major crops of this area • Increase drainage of soil • Reducing the inter-calving period in buffalo • Motivate the farmers for arid horticultural crops • Efficient use of irrigation water • To create the awareness for grading, processing and marketing (value addition)
			Maliyasan			
			Sanosara			
			Kuvadava			
			Lakhapar			
2	Jasdan	Cluster II	Madava			
			Sitaliya			
			Kanesara			
			Kothi			
			Rajavadla Jam			
3	Vinchhiya	Cluster III	Sanali			
			Kandhevaliya			
			Revaniya			
			Thoriyali			
			Hathsani			

2.8 Priority thrust areas

Crop/ Enterprise	Thrust area
Groundnut, Sesame etc	Increasing the productivity of the major crops by adopting the recommended dry farming technologies and to create awareness for value addition.
Water conservation	*In situ* soil moisture conservation and rainwater harvesting. Use of cotton stalk for organic manure.
Cotton	Motivating cotton growers to adopt IPM and INM practices for reducing the cost of production.
Arid Fruits	Promoting the arid horticulture.
Livestock production	Enhancing productivity of milch animals by proper feeding and breeding management.
Women empowerment	Providing self-employment through skill-oriented income generating activities
Agriculture	Developing interest among youth for agriculture as a profession.
Horticulture	Value addition in agriculture produces through proper grading, processing, marketing and information technology.
PHT	Minimizing the post-harvest losses and to create the awareness for proper storage.
Income generating activities	Self-employment among rural youth and skill-oriented income generating activities.
Nutrition management	Care and importance of nutrition in children & pregnant women.

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
7	21	24.5	195

Training		Extension Activities	
(3)		**(4)**	
Number of Courses	Number of Participants	Number of activities	Number of participants
80	2000	782	53912

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	**(6)**	**(7)**	**(8)**
200	-	-	500

3.1. B. Operational areas details proposed during 2024

S.No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)*
1	Cotton	Low yield of cotton	-	All cluster	OFT, Training
		Pink bollworm	-	All cluster	FLD,OFT and Training
2	Groundnut	Variety	-	All cluster	FLD
		White grub & Stem rot	-	All cluster	Training
		Rust & Tikka disease	-	All cluster	FLD and Training
3	Cumin	Wilt in cumin	-	All cluster	FLD, OFT and Training
		Low yield due to sowing method and over irrigation	-	All cluster	
4	Gram	Variety	-	All cluster	FLD and Training
5	Tomato	Variety & Leaf curl	-	All cluster	OFT and Training
6	Brinjal	Variety	-	All cluster	FLD and Training
7	Pearmillet	Variety	-	All cluster	FLD and Training

3.2. Technologies to be assessed and refined

A.1. Abstract on the number of technologies to be assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation					1					1
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System				1						1
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management				1						1
Integrated Disease Management										
Resource conservation technology				1						1
Small Scale income generating enterprises										
Others (Natural Farming)		1								1
TOTAL		**1**		**3**	**1**					**5**

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormi culture	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management	1							1
Disease of Management	1							1
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL	**2**							**2**

B. Details of On Farm Trial / Technology Assessment during 2024

Sr. No.	Crop/ enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Qty per trial	Cost per trial	No. of trials	Total cost for the OFT (Rs.)	Parameters to be studied
1	Cotton	Low yield of cotton	De-topping of cotton	T-1: Farmers practices T-2: De-topping at 75 DAS T-3: De-topping of monopodial branches at 75 DAS & 90 DAS	Junagadh Agril. University Junagadh	Seeds of cotton	2.5 kg/ha	1000	3	3000	1. No. of bolls per plant 2. Yield (kg/ha) 3. Cost of cultivation 4. B:C Ratio
2	Groundnut	Deteriorate in yield and quality of groundnut due to higher use of chemical fertilizers and pesticides	Natural Farming in *kharif* Groundnut	T1: Use of chemical fertilizer, Insecticide, Pesticide T2: FYM 10 lit/ha, PSB 8 g/kg, Trichoderma viride 2.5 kg/ha, *Beauveria bassiana* 80 ml /pump,metarhyzium T3: Bijamrut 20 lit/100 kg seed., Ghan jivamrut 200 kg/acre, Jivamrut 200 lit/ acre, Agniastra and Bramastra 6 lit in 100 lit water, Nimastra 200 lit / acre	Krushi Book by Acharya Devvrat, Hon'ble Governor of Gujarat and JAU, Junagadh	1.Cow Urine, 2. Cow Dung, 3. Basan, 4. Jaggary, 5. Leaves of different trees	As per preparation of different products	500	3	1500	1. Yield (kg/ha), 2. Cost of cultivation, 3. B:C Ratio
3	Tomato	Due to sucking pest infestation, yield of tomato is decreased	Response of released new variety of Tomato (GT-6) on leaf curl occurrence and yield	T-1: Sowing of Local Variety + any Pesticides. T-2: Sowing of GT 6 Variety + foliar sprayings of Acephate 75 WP @ 1.5 g /liter 10 days after transplanting, Fipronil 5 SC @ 1.5 ml / liter 20 DAT, and Imidacloprid 70 WG @ 2g / 15 liter 40 DAT	Junagadh Agril. University, Junagadh	Tomato seeds Variety GT-6	250 gm	500	3	1500	1.No. of damaged plants, 2.Yield, 3.B:C ratio, 4. Farmers perception

				T-3: Sowing of Local Variety and foliar sprayings of Acephate 75 WP @ 1.5 g / liter 10 days after transplanting, Fipronil 5 SC @ 1.5 ml / liter 20 DAT and Imidacloprid 70 WG @ 2g / 15 liter 40 DAT							
4	Cotton	Due to high infection of pink ball worm in cotton, quality and quantity decreased	Control of pink bollworm in Bt. Cotton through insecticides	T1: Farmers practices: Use of common available Pesticides for pink bollworm. T2: Recommended Practices: First spray of Thiodecarb 75 WP @ 0.2gm/liter after 60 DAS, second spray of Chloropyriphos 20 EC @ 2ml/liter after 90 DAS and third spray of Lamda-cyhalothrin 2.5 EC @ 1ml/liter after 120 DAS.	JAU, Junagadh (2021)	Thiodecarb 75 WP, Chloropyriphos 20 EC, Lamda-cyhalothrin 2.5 EC	50 gm 500 ml 250 ml	500	3	1500	1.No. of damaged balls per plant, 2. Yield, 3. B:C ratio, 4. Farmers perception
5	Cumin	Low yield due to sowing method and over irrigation	Performance of drip irrigation with line sowing method in cumin	T-1: Broad casting method without drip irrigation (Farmer's practices) T-2: Line sowing (20 cm) with drip irrigation (Recommended technology)	RTTC, JAU, Junagadh	Cumin seed	6 kg	2400	3	7200	1.Yield, 2. B:C Ratio, 3. farmer's perception
6	Cow	Low milk production & infertility problems in dairy crossbred cow	Effect of health management on performance of crossbred dairy cow on milk yield	T1: Farmers practices (Control) T2: Crossbred cow give anthelmintic 10mg /kg B.W.	NDRI, kernal, Hariyana	Anthelmintic 10 mg/kg B.W. , Vaccination FMD & HS Chelated Mineral Mixture (4 kg)		2000	3	6000	1.Milk yield (lit), 2.Postpartum estrus (day), 3.Milk fat (%)

			and reproductive system	T3: Crossbred cow give anthelmintic 10mg /kg B.W. + Vaccination against FMD &HS							
				T4: Crossbred cow give anthelmintic 10mg /kg B.W. + Vaccination against FMD &HS + Chelated mineral mixture 50 gm/day							
7	Buffalo	Low milk yield & longer inter calving period in buffalo	Chelated mineral mixture, By pass protein and By pass fat for enhancing milk production in buffalo	T1: Farmers practices (Control)					3		1.Milk yield 2.Postpartum estrus 3 Milk fat
				T2: Fed with 50 gms/day chelated mineral mixture supplementation (Reco.)	NDRI, Kernal, Hariyana	Chelated Mineral Mixture	1 kg	4100		12300	
				T3: T2+by pass protein (5 kg/day)		Mineral Mix by pass protein	1kg 5 kg				
				T4: - T3 + by pass fat (100 gm/day)		Mineral Mix by Pass Protein by Pass fat	1 kg 5kg 100 gm				

3.3. Frontline Demonstrations

A. Details of FLDs to be organized –

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	Groundnut	GJG-32	NRM	Variety+ INM+ IPM+IDM	Seed – 30 kg *Tricoderma*- 500 gm *Beauveria*- 500 gm PSB-500 ml	Kharif-2024	4.0	10	No. of Pods/Plants Yield, B:C ratio, Farmers perception
2	Groundnut	GJG-22	ICM	IDM	Hexaconazole /Tebuconazole 500 ml/farmer	Kharif-2024	4.0	10	Infestation % of Rust & Tikka disease, Yield, B:C ratio, Farmers perception
3	Cotton	Bt. Cotton	ICM	IPM	Pheromone Trap - 10 No./Farmer Luer-30 No/Farmer	Kharif-2024	4.0	10	No. of damaged Ball per plant, Yield, B:C ratio, Farmers perception
4	Cotton	Bt. Cotton	ICM	IPM	Mating Disruption Paste (MDP) 400gm/Farmer	Kharif-2024	2.0	5	No. of damaged ball per plant, Yield, B:C ratio, Farmers perception
5	Chickpea	GG-5/ GJG-6	NRM	Variety (GG-5/GJG-6)	Seed of GG-5/ GJG-6 (25 Kg/ Farmer)	Rabi-2024-25	4.0	10	No. of Pods/Plants Yield, B:C ratio, Farmers perception
6	Cumin	GC-4	ICM	IDM (Line sowing for minimizing the wilt diseases infestation)	Seed (6 Kg.) + Mencozeb (500 gm/ farmer) + *Trichoderma* (1 Kg./farmer)	Rabi-2024-25	4.0	10	No. of damaged plants, Yield, B:C ratio, Farmers perception
7	Brinjal	GRB-7	Varietal	Variety GRB-7	Brinjal seed 100 gm/farmer	Rabi-2024-25	2.0	10	Yield, B:C ratio, Farmers perception
8	Seasonal vegetables	-	Kitchen gardening	Health management	Seed of different Veg.	Kharif-2024	-	10	Farm women perception
9	Pearl millet	GHB-1129	ICM	Varietal	Seed of Pearl millet	Summer-2024	2.0	5	Yield, B:C ratio, Farmers perception

Sponsored Demonstration (CFLDs)

Crop	Area (ha)	No. of farmers
Groundnut	20.0	50
Sesame	10.0	25
Chick pea	20.0	50

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	8	-	230
2	Farmers Training	6	-	190
3	Media coverage	5	-	-
4	Training for extension functionaries	2	-	75

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
Agri-drone	Groundnut Cotton Chickpea Cumin	2024	25	10	Bio-pesticide (i.e. *Beauveria bassiana*)	Farmers perception, uniformity of spraying, efficient pesticides use and time saving

b. Livestock Enterprises

Thrust area	Livestock	No. of farmers	No. of animals	Critical inputs	Performance parameters / Indicators
Nutrient Management	Cow	40	40	Chelated mineral Mixture (30 gm/day)	Milk yield
Nutrient Management	Buffalo	20	20	Bypass Fat (100 gm /day)	Milk yield
Nutrient Management	Buffalo	20	20	Bypass Protein (5 kg/day)	Milk yield
Fodder Management	Buffalo	10	10	Jinjvo	Fodder yield & Milk Yield

3.4. Training (Including the sponsored and FLD training programmes):

A. ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1	21		21	4		4	25
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming	1	22	3	25				25
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Organic farming	1	25		25				25
Natural farming	2	44	6	50				50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Natural farming	1	20		20	5		5	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	1	22		22	3		3	25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								

d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	2	45		45	5		5	50
Poultry Management/Dairy manag.	1	25		25				25
Piggery Management								
Rabbit Management/goat								
Disease Management	1	18		18	7		7	25
Feed management	2	40	5	45	4	1	5	50
Production of quality animal products	1	25		25				25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2		50	50				50
Design and development of low/minimum cost diet	1		25	25				25
Designing and development for high nutrient efficiency diet	1		23	23		2	2	25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								

Value addition	2		47	47		3	3	50
Income generation activities for empowerment of rural Women	1		25	25				25
Location specific drudgery reduction technologies								
Rural Crafts	1		25	25				25
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	3	70		70	5		5	75
Use of Plastics in farming practices								
Production of small tools and implements	1	22		22	3		3	25
Repair and maintenance of farm machinery and implements	1	25		25				25
Small scale processing and value addition	1	20		20	5		5	25
Post Harvest Technology	1	23		23	2		2	25
Others (Rain water harvesting)	1	23		23	2		2	25
Agri-drone technology	1	22		22	3		3	25
VII Plant Protection								
Integrated Pest Management	1	20		20	5		5	25
Integrated Disease Management	1	25		25				25
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								

Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs								
Mobilization of social capital								
Entrepreneurial development of farmers/youths								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**33**	**557**	**209**	**766**	**53**	**6**	**59**	**825**
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming	1	23		23	2		2	25
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition	2		49	49		1	1	50
Production of quality animal products								
Sheep and goat rearing								
dairy farming	1	25		25				25
Piggery								
Rabbit farming								
Poultry production								

Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	**4**	**48**	**49**	**57**	**2**	**1**	**3**	**100**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	25		25				25
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	2	46		46	4		4	50
Livestock feed and fodder production								
Household food security	1		22	22		3	3	25
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Natural farming)	1	18		18	7		7	25
Watershed management	1	23		23	2		2	25
TOTAL	**6**	**112**	**22**	**134**	**13**	**3**	**16**	**150**
G. Total	**43**	**717**	**280**	**957**	**68**	**10**	**78**	**1075**

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	1	22		22	3		3	25
Resource Conservation Technologies	1	22		22	3		3	25
Cropping Systems	2	47		47	3		3	50
Crop Diversification								
Integrated Farming	1	20		20	5		5	25
Water management	1	20		20	5		5	25
Seed production								
Nursery management								
Integrated Crop Management	1	17	5	22	3		3	25
Fodder production								
Production of organic inputs								
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	1	22		22	3		3	25
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Bio control	1	16	3	19	2	4	6	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	1	25		25				25
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								

d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition	1	18	2	20		5	5	25
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	2	24	11	35	12	3	15	50
Poultry Management								
Piggery Management								
Rabbit Management /goat	1	18		18	7		7	25
Disease Management	2	38		38	12		12	50
Feed management	2	32	10	42	7	1	8	50
Production of quality animal produ.	1	20		20	5		5	25
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1		24	24		1	1	25
Design and development of low/minimum cost diet	1		25	25				25
Designing and development for high nutrient efficiency diet	1		25	25				25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1		23	23		2	2	25

Value addition	1		22	22		3	3	25
Income generation activities for empowerment of rural Women	1		24	24		1	1	25
Location specific drudgery reduction technologies	1		24	24		1	1	25
Rural Crafts								
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	25		25				25
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	1	23		23	2		2	25
Small scale processing and value addition	1	22		22	3		3	25
Post Harvest Technology	1	20		20	5		5	25
Resource conservation	1	22		22	3		3	25
Others (Use of drip irrigation)	1	23		23	2		2	25
Others (Agri-drone technology)	1	23		23	2		2	25
VII Plant Protection								
Integrated Pest Management	1	22		22	3		3	25
Integrated Disease Management	1	25		25				25
Bio-control of pests and diseases	2	40		40	10		10	50
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								

Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others								
TOTAL	**37**	**606**	**198**	**804**	**100**	**21**	**121**	**925**

C. Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2	43	0	43	7	0	7	50
Resource Conservation Technologies	1	22	0	22	3	0	3	25
Cropping Systems	2	47	0	47	3	0	3	50
Crop Diversification	0	0	0	0	0	0	0	0
Integrated Farming	2	42	3	45	5	0	5	50
Water management	1	20	0	20	5	0	5	25
Seed production	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0
Integrated Crop Management	1	17	5	22	3	0	3	25
Fodder production	0	0	0	0	0	0	0	0
Organic farming	1	25	0	25	0	0	0	25
Natural Farming	2	44	6	50	0	0	0	50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								

Off-season vegetables	1	22		22	3		3	25
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Bio control	1	16	3	19	2	4	6	25
Natural farming	1	20		20	5		5	25
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	2	47		47	3		3	50
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology								
Processing and value addition	1	18	2	20		5	5	25
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management								

Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management	4	69	11	80	17	3	20	100
Poultry Management/Dairy management	1	25		25				25
Piggery Management								
Rabbit Management /goat	1	18		18	7		7	25
Disease Management	3	56		56	19		19	75
Feed management	4	72	15	87	11	2	13	100
Production of quality animal produ.	2	45		45	5		5	50
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3		74	74		1	1	75
Design and development of low/minimum cost diet	2		50	50				50
Designing and development for high nutrient efficiency diet	2		48	48		2	2	50
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques	1		23	23		2	2	25
Value addition	3		69	69		6	6	75
Income generation activities for empowerment of rural Women	2		49	49		1	1	50
Location specific drudgery reduction technologies	1		24	24		1	1	25
Rural Crafts	1		25	25				25
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	4	95		95	5		5	100
Use of Plastics in farming practices								
Production of small tools and implements	1	22		22	3		3	25
Repair and maintenance of farm machinery and implements	2	48		48	2		2	50
Small scale processing and value addition	2	42		42	8		8	50
Post Harvest Technology	2	43		43	7		7	50
Resource conservation	1	22		22	3		3	25
Others (Use of drip irrigation)	1	23		23	2		2	25
Others (Rain water harvesting)	1	23		23	2		2	25
Others (Agri-drone technology)	2	45		45	5		5	50

VII Plant Protection								
Integrated Pest Management	2	42		42	8		8	50
Integrated Disease Management	2	50		50				50
Bio-control of pests and diseases	2	40		40	10		10	50
Production of bio control agents and bio pesticides								
VIII Fisheries								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)								
Organic manures production (A.S.)								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics								
Formation and Management of SHGs(HS)								
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)								
WTO and IPR issues								
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								

XII Others								
TOTAL								
(B) RURAL YOUTH	**70**	**1163**	**407**	**1570**	**153**	**27**	**180**	**1750**
Mushroom Production								
Bee-keeping								
Integrated farming	1	23		23	2		2	25
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition	2		49	49		1	1	50
Production of quality animal products								
Sheep and goat rearing								
dairy farming	1	25		25				25
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
TOTAL	**4**	**48**	**49**	**57**	**2**	**1**	**3**	**100**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management	1	25		25				25

Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals	2	46		46	4		4	50
Livestock feed and fodder production								
Household food security	1		22	22		3	3	25
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Natural farming)	1	18		18	7		7	25
Watershed management	1	23		23	2		2	25
TOTAL	**6**	**112**	**22**	**134**	**13**	**3**	**16**	**150**
G. Total	**80**	**1323**	**478**	**1761**	**168**	**31**	**199**	**2000**

3.5. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	75	45	120	7		7	82	45	127
KisanMela	3	30000	10000	40000	45	5	50	30045	10005	40050
KisanGhosthi	15	300	65	365	7		7	307	65	372
Exhibition	3	2100	250	2350	15	2	17	2115	252	2367
Film Show	12	289	78	367	15	3	18	304	81	385
Farmers Seminar	2	400	50	450	3		3	403	50	453
Workshop	1	35	5	40				35	5	40
Group meetings	10	230	20	250				230	20	250
Lectures delivered as resource persons	25	1050	350	1400	25	5	30	1075	355	1430
Newspaper coverage	5									
Radio talks	3									
TV talks	3									
Popular articles	5									
Extension Literature	10									

Advisory Services	8									
Scientific visit to farmers field	22	220	20	240	10		10	230	20	250
Farmers visit to KVK	150	6000	500	6500	20	10	30	6020	510	6530
Diagnostic visits	5	75		75	5		5	80	0	80
Exposure visits	3	75	75	150	3	2	5	78	77	155
Ex-trainees Sammelan	1	150	25	175				150	25	175
Animal Health Camp	2	70		70	4		4	74		74
Soil test campaigns	480									
Self Help Group Conveners meetings	2		60	60		3	3		63	63
MahilaMandals Conveners meetings	2		90	90		2	2		92	92
Celebration of important days (specify)	5	780	234	1014	5		5	785	234	1019
Total	**782**	**41849**	**11867**	**53716**	**164**	**32**	**196**	**42013**	**11899**	**53912**

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
CEREALS			
OILSEEDS	Groundnut	GJG-32 and GG-35	200
PULSES			
VEGETABLES			
Others			

PLANTING MATERIALS : Nil

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
SPICES			
VEGETABLES			
FOREST SPECIES			
ORNAMENTAL CROPS			
		Total	

Bio-products: Nil

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
Trichoderma				
Beauveria				

LIVESTOCK: Nil

Sl. No.	Type	Breed	Quantity	
			(Nos)	Unit
Cattle				
Goat				
Sheep				
Poultry				
Pig farming				
Fisheries				

4. LITERATURE TO BE DEVELOPED/PUBLISHED

A. Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	1
2	Technical reports	7
3	News letters	4
4	Training manual all discipline	-
5	Popular article	10
6	Extension literature	6
7	E-publication	-
8	Any other (Please specify)	-
	Total	**28**

B. Details of Electronic Media to be produced : 2

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

S. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel		
2	Facebook page		1
3	Mobile Apps		1
4	WhatsApp groups	Information	3
5	Twitter Account		1
6	Any other (Pl. Specify)		

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

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

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

A. Practicing Farmers

a)

B. Rural Youth

a)

C. In-service personnel

a)

5.2.Indicate the methodology for identifying OFTs/FLDs

For OFT:

i) PRA
ii) Problem identified from Matrix
iii) Field level observations
iv) Farmer group discussions
v) Others if any

For FLD:

i) New variety/technology
ii) Poor yield at farmers level
iii) Existing cropping system
iv) Others if any

5.3. Field activities

i. Name of villages identified/adopted with block name (from which year) -
ii. No. of farm families selected per village:
iii. No. of survey/PRA conducted:
iv. No. of technologies taken to the adopted villages
v. Name of the technologies found suitable by the farmers of the adopted villages:
vi. Impact (production, income, employment, area/technological– horizontal/vertical)
vii. Constraints if any in the continued application of these improved technologies

6. LINKAGES

6.1. Functional linkage with different organizations

Sl.No	Name of organization	Nature of Linkage (pl. specify)
1.	Dy. Director of Agriculture.	Most of the Organizations are members of Scientific Advisory Committee (SAC) of KVK and have linkage with different activities of KVK viz., Training Programme, Khedut Sibir, Farmers day, Animal treatment Camp, Farmers fair, Film Show, Ex-training meeting and Soil health card etc.
2.	Dy. Director of Agril. Extension (FTC)	
3.	Dy. Director of Horticulture	
4.	Dy. Director of Animal Husbandry	
5.	Dy. Director of Social Forestry	
6.	Jilla Udhyong Kendra	
7.	Milk Co-Operative Society	
8.	Bank of Baroda	
9.	National Bank for Agriculture & Rural Development NABARD)	
10.	NHRDF	
11	Doordarshan Kendra	
12	All India Radio	
13	WALMI	
14	District Rural Development Agency(DRDA)	
15	ATMA	
16	GLDC	
17	District Watershed Development Agency (DWDA)	
18	GGRC	
19	Reliance foundation	

6.2. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage
1	Meetings	Linkage with different activities viz., Training Programme, Khedut Sibir, Farmers meeting, Farmers fair, Film Show etc.
2	Training programmes	
3	Demonstrations	
4	KisanMela	
5	Technology Week	
6	Exhibition	
7	Film Show	

6.3. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	-	-

6.4. Nature of linkage with National Fisheries Development Board

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

6.5. Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL etc.) / schemes during 2024

S. No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
1	Agricultural Technology Information Center (ATIC)	Training, FLD	-	-	Smt. H. H. Padsumbiya
2	Cluster Frontline Demonstrations on Rabi Pulses under NFSM	FLD, Training	-	-	Shri. D. P. Sanepara
3	Cluster Frontline Demonstrations on Oilseeds under NFSM	FLD, Training	-	-	Shri. D. P. Sanepara
4	Attracting and Retaining Youth in Agriculture (ARYA)	Entrepreneur develop and Vocational training	-	-	Shri. D. P. Sanepara
5	Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India	Seed production and Training	-	-	Dr. J. H. Chaudhari
6	Swachhta Action Plan	Training	-	-	Smt. H. H. Padsumbiya
7	Out scaling of Natural Farming through KVKs	Training and FLD	-	-	Dr. J.H. Chaudhary
8	Targeting Technology to agro ecological zones large scale demonstrations of best practices to enhance cotton productivity	Training, Field Day, Mela and Workshop	-	-	Dr. J.H. Chaudhary

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 2024	No. of families to be covered under the intervention	Present annual income of the family (Rs /annum)	Expected annual income of the family after intervention (Rs/ annum)

6.5.2. Details of activities planned under NARI and Natural farming

S. No.	Name of the village	Activities planned	No. of families to be covered
1	-	Demonstration, Trainings and Awareness Programmes	-
2	Gokhlana, Ramaliya, Kalasar, Vakhlavad, Vangdhra	FLD, Training and awareness programme	50

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

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

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

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

6.6. Activities planned in respect of FPOs / FPCs

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

S. No	Name of the FPO / FPC	No. of members	Major activities of FPO / FPC	Type of support to be provided by KVK
-	-	-	-	Training and Technical Guidance

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

S. No.	Name of the department / Agency	Type of convergence	Area (ha) / No. of farmers to be benefited
1	ATMA, FTC and other line department	Training, field visit, lecture delivered etc.	800

8. Innovator Farmer's Meet 2024

Sl.No.	Particulars	Details	Expected No. of participants
1	Farm innovators meet planned	December	35

9. Utilization of hostel facilities

S. No.	Month	No. of days to be utilized
1		

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Month/ 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										
April	PF	Importance of organic farming in Groundnut	1	25		25			0	25
June	PF	Natural Farming in *Kharif* crops	1	22	3	25			0	25
July	PF	Weed management in *Kharif* crops	1	21		21	4		4	25
October	PF	Natural Farming in *Rabi* crops.	1	22	3	25			0	25
Nov.	PF	Use of Bio-products in *Rabi* crops	1	22	3	25			0	25
Horticulture										
May	PF	Use of Natural farming techniques in vegetable crops	1	20		20	5		5	25
June	PF	Improved cultivation practices for important fruit crops	1	22		22	3		3	25
Livestock Production										
Jan.	PF	Importance of Artificial Insemination	1	25		25				25
Feb.	PF	Balanced feeding of pregnant animals	1	25		25				25
May	PF	Care and management of livestock during summer	1	20	0	20	05	0	05	25
August	PF	Importance and use of green fodder in milk production	1	15	03	20	4	1	05	25
Nov.	PF/ FW	Infertility of cow & buffalo by infectious disease & its prevention	1	18	0	18	07	0	07	25
Dec.	PF	Importance & use of sexed semen	1	25		25				25
Agril. Engineering										
Feb.	PF	Operation and maintenance of micro irrigation system	1	23		23	2		2	25
March	PF	Selection and use of improved farm implements and machinery	1	25		25			0	25
May	PF	Rain water harvesting and groundwater recharge techniques	1	23		23	2		2	25
June	PF	Farm machinery and its maintenance	1	20		20	5		5	25
Sept.	PF	Post-harvest technology in agriculture	1	23		23	2		2	25

October	PF	Installation and maintenance of drip irrigation systems in horticulture crops	1	22		22	3		3	25
Dec.	PF	Processing and value addition of agriculture produce	1	20		20	5		5	25
Home Science										
January	FW	Importance of green leafy vegetables in diet and preparing recipes from vegetables.	1		25	25				25
May	FW	Household food security by kitchen gardening.	1		25	25				25
August	FW	Use of pear millet in preparation of low-cost nutrition diet.	1		23	23		2	2	25
Sept.	RY	Preparation of different pear millet products	1		25	25				25
October	FW	Drudgery reducing technologies for farm women in agriculture	1		25	25				25
Nov.	FW/RY	Value addition in Anola	1		22	22		3	3	25
Plant Protection										
May	PF	Integrated insect-pest & disease management in *Kharif* crops	1	20		20	5		5	25
October	PF	Integrated insect-pest & disease management in *Rabi* crops	1	25		25				25

i) Farmers & Farm women (Off Campus)

Month/ 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										
January	PF	Efficient water management in summer field crops	1	20		20	5		5	25
April	PF	Soil & Water analysis & its importance	1	22		22	3		3	25
May	PF	Improved cultivation practices for *Kharif* crops	1	22		22	3		3	25
June	PF	Nutrient Management in Cotton through Natural Farming	1	17	5	22	3		3	25
Sept.	PF	Improved cultivation practices for *Rabi* crops.	1	25		25			0	25
October	PF	Use of Bio fertilizers in *Rabi* crops	1	20		20	5		5	25
Nov.	PF	Integrated weed management in major *Rabi* crops	1	22		22	3		3	25
Horticulture										
June	PF	Integrated nutrient management in fruit crops	1	25		25				25

July	PF	Management of insect-pest in vegetable crops	1	22		22	3		3	25
August	PF/FW	Bio control of pests in vegetable crops	1	16	3	19	2	4	6	25
October	PF/FW	Seed production techniques in onion	1	18	2	20		5	5	25
Live Stock Production.										
Jan.	PF/FW	Nutritive deficiencies in Infertility problems of Cow and Buffaloes	1	15	03	20	4	1	05	25
March	PF	Zoonotic disease & its preventive measure	1	18	0	18	07	0	07	25
April	PF/FW	Brucellosis & its prevention in Gir cow	1	12	5	17	7	0	7	25
May	PF	Hemorrhagic Septicemia and its control	1	18	0	18	07	0	07	25
July	PF/FW	Fodder Production Technology	1	17	05	22	03	0	3	25
Sept.	PF/FW	Importance of colostrums feeding in new born calves	1	12	06	18	4	3	7	25
Nov.	PF/FW	Foot & Mouth disease & its control	1	12	5	17	7	0	7	25
Dec.	PF	Clean milk production by proper milking, watering & washing	1	20	0	20	05	0	05	25
Agril. Engineering										
Feb.	PF	Farm machinery and its maintenance	1	25		25			0	25
April	PF	Small scale processing and value addition at village level	1	22		22	3		3	25
May	PF	In-situ moisture conservation practices in dry land agriculture	1	22		22	3		3	25
July	PF	Selection and maintenance of plant protection equipment	1	23		23	2		2	25
August	PF	Application of Agri-drone technology in agriculture sector	1	23		23	2		2	25
Sept.	PF	Importance of post-harvest technology and Value addition in agriculture	1	20		20	5		5	25
Nov.	PF	Efficient use of drip irrigation system in *Rabi* crops	1	23		23	2		2	25
Home Science										
January	FW	Value addition in Guava, Custard apple and dragon fruit	1		22	22		3	3	25
April	FW	Drudgery reducing technologies for farm women in agriculture	1		24	24		1	1	25
June	FW	Organic Kitchen gardening & its importance on health	1		24	24		1	1	25

August	FW	Income generation activities for empowerment of rural Women	1		24	24		1	1	25
Sept.	RY	Preparation of different pear millet products	1		25	25				25
October	FW	Drum stick-A nutritional diet	1		25	25				25
Dec.	RY	Preparation of different bakery products	1		23	23		2	2	25
Plant Protection										
April	PF	Insect- pest and disease management in groundnut	1	25		25				25
June	PF	Management of pink boll worm in cotton	1	20		20	5		5	25
October	PF	Store grain pest management	1	22		22	3		3	25
Nov.	PF	IPM and IDM in Rabi crops	1	20		20	5		5	25

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title	Month	Duration (days)	No. of Participants			SC/ST participants			G. Total
					M	F	T	M	F	T	
Agronomy	Integrated farming	Integrated farming	May	6	23		23	2		2	25
Home Science	value addition	value addition in millets	May	2		25	25				25
Animal Science	Dairy	Scientific Dairy Farming	Dec.	7	25		25				25
Home Science	Value addition	Preparation and preservation of fruits & vegetables products	Nov.	2		24	24		1	1	25
			Total(4)		**48**	**49**	**57**	**2**	**1**	**3**	**100**

iii) Training programme for extension functionaries

Month	Clientele	Title of the training programme	Duration (days)	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
June	Extension workers	Pre-seasonal training on package of practice for Kharif crops	1	25		25				25
May	Ext Workers	Natural Farming in kharif crops	1	18	0	18	7	0	7	25
Octo.	Anganwadi workers	Layout of Nutrition Garden and importance of kitchen gardening	1	0	22	22	0	3	3	25
July	Ext Workers of DWDU/ATMA	Efficient use of drip irrigation in field and horticulture crops	1	23		23	2		2	25
May	Ext Workers	Preventive measures and first aid treatment of important disease in dairy animals	1	23		23	2		2	25
Sept.	Ext Workers	Lumpy skin disease & its control	1	23		23	2		2	25
	Total		**6**	**112**	**22**	**134**	**13**	**3**	**16**	**150**

iv) Sponsored training programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
Livestock	District A.H. Dept	PF	Scientific Dairy Farming	1	25		25				25
Agril. Engg.	ATMA	PF	Agri-drone technology in agriculture sector	1	22		22	3		3	25
Agril. Engg.	GGRC	PF	Operation and maintenance of MIS	1	25		25				25
Home Science	ATMA	FW/RY	Preparation of Jam, Squash, Ketchup from fruits	1		25	25				25
Home Science	Reliance foundation, Jasdan	FW	Household food security by kitchen gardening	1		25	25				25
			Total	**5**	**72**	**50**	**72**	**3**	**0**	**3**	**125**

Annexure - II

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

S. No.	Particulars	BE 2024-25 proposed (Lakh)
14.1	**Recurring Contingencies**	
14.1.1	**Pay & Allowances**	**160.0**
14.1.2	**Traveling allowances**	**1.50**
14.1.3	**Contingencies**	**18.50**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	-
B	POL, repair of vehicles, tractor and equipment	-
C	Meals/refreshment for trainees (ceiling up to 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 demonstrations 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**	
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**	