ICAR-ATARI, Pune

DETAILS OF ACTION PLAN OF KVKs DURING 2019-20

(1st April 2019 to 31st March 2020)

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		
KVK-Vadodara (Mangalbharti) At.&Po.Golagamdi, Ta.Sankheda, Dist. Chhotaduepur.-391125	02665-243240 08141150500	-	kvkvdr@gmail.com	www.kvkvadodara.org (125768)

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

Address	Telephone		E mail	Website address
	Office	FAX		
Mangalbharti At.&Po.Golagamdi, Ta.Sankheda, Dist. Chhotaduepur.-391125	02665-243240 08141150500	-	kvkvdr@gmailcom	www.kvkvadodara.org

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Bharat M. Mehta	02665-243240 08141150500	094268 34346	bmehta_61@rediffmail.com

1.4. Year of sanction: 1995

1.5. Staff Position (as on March 31, 2019)

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, Please indicate		Date of joining
				Current Pay Band	Current Grade Pay	
1.	Senior Scientist and Head	Dr.B.M.Mehta	-	37400-9000-67000	9000	17/9/2013
2.	Subject Matter Specialist	C. R. Patel	Agronomy	15600-5400-39100	5400	23/6/2011
3.	Subject Matter Specialist	M. C. Brahmbhatt	Horticulture	-do-	5400	11/7/2011
4.	Subject Matter Specialist	J. P. Meena	Animal Science	-do-	5400	7/7/2011
5.	Subject Matter Specialist	K. J. Soni	Home Science	-do-	5400	2/7/2011
6.	Subject Matter Specialist	B. L. Dhayal	Ext.Edu	-do-	5400	23/8/13
7.	Subject Matter Specialist	B.D.Patel	Plant.Prot	-do-	5400	06/02/17
8.	Programme Assistant	K. K. Sutaria	-	9300-4200-34800	4200	1/12/2008
9.	Computer Programmer	M.R.Kulkarni	-	-do-	4200	21/01/2008
10.	Farm Manager	Hariom Sharma	-	-do-	4200	2/9/2013
11.	Accountant/Superintendent	V.V.Shah	-	-do-	4200	04/06/2001
12.	Stenographer	C.M.Raval	-	5200-2400-20200	2400	2/9/2013
13.	Driver 1	R.N.Prajapati	-	5200-2000	2000	17/01/2008
14.	Driver 2	Z. S.Vora	-	-do-	2000	27/6/2011
15.	Supporting staff 1	P.B.Rathwa	-	5200-1800	1800	5/9/2003
16.	Supporting staff 2	J.R.Tadvi	-	-do-	1800	29/7/2002

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.30
2.	Under Demonstration Units	2.00
3.	Under Crops	8.00
4.	Horticulture	1.50
5.	Pond	0.50
6.	Others if any	6.70

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	2001	561.43	18,23,216/-	-	-	-
2.	Farmers Hostel	ICAR	2011	300.75	26,57,744/-			
3.	Staff Quarters (8+6=14)	ICAR	2001	694.61	29,23,910/-	-	-	-
4	Fencing	ICAR	2006	1709 Rmt.	3,45,000/-	-	-	-
5	Rain Water harvesting system	ICAR	2007	62x39mt.	9,78,000/-	-	-	-
6	Threshing floor	ICAR	2010	41.82 (sqmt)	1,93,440/-	-	-	-
7	Farm godown	ICAR	2010	55.76 (sqmt)	2,86,422/-	-	-	-
8	Implement shed	ICAR	2010	55.76	2,99,000/-			

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Messy tractor with trolley	28/03/95	2,82,058=00	12211 hrs.	Poor condition
Mahindra Bolero	29/03/10	6,25,000=00	195406	Working condition
Bajaj Discover	09/02/11	48,251=00	84968	Working condition

C. Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Electronic type writer	30/03/95	16,380=00	Poor condition due to technical fault
Steel cupboard	30/03/95	3,300=00	Good
Iron cupboard	30/03/95	3,100=00	Good
Iron Table	30/03/95	6,370=00	Good
Chair	30/03/95	5,860=00	Good
Tractor Plough	31/03/95	15,000=00	Good
Slide Projector	31/03/95	16,500=00	Poor condition due to fault
Overhead Projector	31/03/95	10,500=00	Poor condition
VCR (onida)	01/09/96	14,300=00	Poor condition
Micro Scope	19/09/96	3,500=00	Poor condition

Camera (Canon)	28/09/96	2,350=00	Poor condition due to fault
Moving trolley	28/09/96	6,500=00	Good
Store well	30/09/96	10,800=00	Good
Store well	30/09/96	3,200=00	Good
Office table	30/09/96	6,525=00	Good
Office chair	30/09/96	1,400=00	Good
Glass door cupboard	30/09/96	3,900=00	Good
Office Table	30/09/96	2,175=00	Good
Office chair	30/09/96	350=00	Poor condition
Colour T.V.(crown)	15/10/96	18,800=00	Poor condition
Office Table	30/10/96	3,200=00	Good
Office chair	30/10/96	350=00	Good
Microphone PCM with set accessories	11/03/98	8,495=00	Poor condition
Slide Projector with remote	01/04/98	11,300=00	Poor condition
Glass door cupboard	04/03/2000	3,150=00	Good
Wind wheel	20/10/2000	15,00=00	Good
Store well	31/01/2001	29,000=00	Good
Office chair	31/01/2001	3,000=00	Good
Table	31/01/2001	11,500=00	Good
File rake	31/01/2001	5,100=00	Good
Museum room self	28/02/2001	20,900=00	Good
Dias	01/03/2001	9,056=00	Poor condition
Library table	15/03/2001	22,000=00	Poor condition
Plastic chair	30/03/2001	11,900=00	Poor condition
Multi panel kit-12	31/03/2001	11,954=00	Poor condition
Flash kit-4	31/03/2001	12,5000=00	Good
Eco display with 3 panel	31/03/2001	5,773=00	Good
Info panel wall type	31/03/2001	6,611=00	Good
Kitchen mixture	31/03/2002	1,995=00	Good
Cupboard & stand	31/03/2003	9,975=00	Good
Xerox machine (Canon-7160)	30/03/2004	79,800=00	Poor condition
Rotavator (rotary)	31/12/2004	49,000=00	Poor condition
Office Table	30/09/2005	33,500=00	Poor condition
Office chair	30/09/2005	9,600=00	Good
File rake	30/09/2005	6,400=00	Good
Computer with Accessories (Compaq)	14/02/2006	64,500=00	Poor condition
Steel cupboard	26/02/2006	10,440=00	Good
Plastic chair	26/02/2006	4,560=00	Poor condition
Pneumatic cotton planter	28/03/2006	47,400=00	Under TMC-MM-II Grant
Power weeder	28/03/2006	33,500=00	Under TMC-MM-II Grant
Computer table	31/03/2006	3,165=00	Poor condition
Office table	31/03/2006	3,165=00	Poor condition
Computer chair	31/03/2006	4,310=00	Poor condition
Plastic chair	31/03/2006	8,125=00	Poor condition
Rake	31/03/2006	16,235=00	Poor condition
Storage cupboard	31/03/2006	25,250=00	Under STL grant
Storage cupboard	31/03/2006	5,150=00	”
Cupboard	31/03/2006	4,500=00	”
Angel rake	31/03/2006	7,100=00	”
Store well	31/03/2006	12,300=00	”
Office table	31/03/2006	7,500=00	”
Stand frame rake	31/03/2006	6,200=00	”
Revolving chair	31/03/2006	43,10=00	”
Revolving stool	31/03/2006	2,700=00	”

Plastic stool	31/03/2006	755=00	”
Store well cupboard	31/03/2006	15,000=00	”
Fixed wall steel cupboard	31/03/2006	85,021=00	”
Hot Plate Rectangular (Nova-NV-8535)	28/02/2006	7,500=00	Poor condition due to fault
Rotary shaker (Nova-NV-853)	28/02/2006	25,250=00	Good
Voltage stabilizer (Nova-NV/14)	28/02/2006	16,000=00	”
“EL” Microprocessor Flame Photometer (Model-CL-387)	28/02/2006	35,250=00	Under STL grant
“EI” Microprocessor based pH meter (Model-1012)	28/02/2006	15,275=00	Poor condition due to fault
“EI” Microprocessor based Conductivity/TDS meter (Model-1601)	28/02/2006	17,450=00	Poor condition due to fault
Single pan balance ‘K-Roy” (Model: K-14 Deluxe)	28/02/2006	11,950=00	Good
Electronic Balance: Multi-function series (Model: Swis-310)	28/02/2006	14,900=00	Good
Visible Spectrophotometer (FGSL-177 Scanning)	02/03/2006	55,944=00	Good
Electronic Automatic Kel Plus Micro-processor based Twelve Place macro block Digestion System (Model: KES 12 L)	16/03/2006	96,020=00	Poor condition due to fault
Electronic Kel Plus Micro- processor based Automatic Distillation System (Model: DISTY-EM)	16/03/2006	1,25,350=00	Poor condition due to fault
Sampling Augers (Hand size 3”)	25/03/2006	1,200=00	Good
Sampling Augers (Hand size 6”)	25/03/2006	2,150=00	Good
Extension Rod - Size: 3”	25/03/2006	800=00	Under STL grant
Size: 6”	25/03/2006	1,050=00	Good
Refrigerator 330 Lit (Ken star-SR)	27/03/2006	15,000=00	Good
Stabilizer	27/03/2006	500=00	Poor condition due to fault
‘Nova’ Willey mill stainless steel body	06/03/2006	21,550=00	Poor condition due to fault
‘Nova’ Horizontal shaker-Kahn-Platform	06/03/2006	24,975=00	Poor condition due to fault
“Mac” Electrically Heated all glass Distillation apparatus (Model: MSW-193)	06/03/2006	16,350=00	Poor condition due to fault
Test Sieves Size: 3.35mm	25/03/2006	475=00	Good
Size: 2.00 mm	25/03/2006	475=00	“
Soil Hydrometer Range: 58-92%	25/03/2006	700=00	“
High speed stirrer: IS: 2720IV)	25/03/2006	11,400=00	“
Hand/Sugar Refractometer	25/03/2006	2,500=00	“
Hanna Pocket pH Meter	25/03/2006	2,600=00	”
Hanna Pocket TDS Meter	25/03/2006	2,450=00	”
Aero Blast Sprayer (Aspee-Mod.No.ATB/6HDP)	06/02/2007	86080=00	Under TMC-MM-II
LCD Projector (Panasonic-Model. No.-PT-PISD1500luens.	16/03/07	73010=00	Poor condition and not working condition so, this projector is buyback and purchase new Projector EPSON-EX-31
DVD Handy Cam (Sony.Model:608E	20/03/07	20500=00	Poor condition
Digital Camera (Orite Mod.No.-C8000	20/03/07	9200=00	

Trolley With Cabinet	16/03/07	10688=00	
Projector Screen with Stand (Size:52"70)	16/03/07	11560=00	Poor condition
Seed cum fertilizer drill	28/11/10	30000=00	Under ICAR grant Poor condition
Projector EPSON-EX-31	24/3/17	33700=00	Under NRC Grant
Hitachi Air Condition No.2	23/3/17	80000=00	" "
Nikon Digital Camera D-5300 & Sony Handy-cam PJ-675	14/3/17	94800=00	" "
RO with Cooler	20/3/17	79990=00	" "
Computer with Accessorizes No.3	14/3/17	149953=00	" "
Office Table (7+2)	28/3/17	41800=00	" "
Mrida prikshak soli kit	30/3/17	90300=00	ICAR Grant
STRF Soil Kit	2017-18	80618=00	ICAR Grant
STRF Soil Kit	2018-19	20768=00	ICAR Grant

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

Sl.No.	**Date**
1. Scientific Advisory Committee	February ' 2020

2. DETAILS OF DISTRICT

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

S. No	**Farming system/enterprise**
Crop	Agril. Alone Agril. Horticulture Agril.-Animal Husbandry Agril.-silviculture
Enterprise	Agriculture and Animal Husbandry

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	Middle Gujarat zone III	Average rain fall is 800-1000 mm. Geographically Vadodara district is located between 21^0 49' to 22^0 49' north latitude and 72^0 51' to 74^0 17' east longitude

b) Topography

S. No.	**Agro ecological situation**	**Characteristics**
1	Sandy loam soil with high rain fall	Altitude (in meter above MSL): 25-75 Taluka : Vadodara, Padara, Savli, Dabhoi, Waghodia
2	Medium black soil with high rain fall	Altitude (in meter above MSL): 75-150 Taluka: Pavijetpur, Chhotaudaipur, Naswadi, Karjan
3	Deep black soil with high rain fall	Altitude (in meter above MSL): 25-75 Taluka: Dabhoi, Sankheda, Shinor, Karjan
4	Light soil with high rain fall	Altitude (in meter above MSL): 150-300 Taluka: Chhotaudaipur (tribal base)

2.3 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Black soil	Moderate to severe erosive Poor soil Fertility Poor Irrigation facility	88864
2	Medium black	Water logging Very Poor Permeabliity Poor Soil Physical condition Low to medium in N & P Content	208646
3	Sandy loam	Highly erosive Shallow to medium in depth Poor permeability Low to medium N & P content	174021
4	Sandy	Sand soils are often dry, nutrient deficient and fast-draining. They have little (or no) ability to transport water from deeper layers through capillary transport.	36305
5	Salt affected	saline soils are those which have an electrical conductivity of the saturation soil extract of more than 4 dS/m at 25°C , Sodium and chloride are by far the most dominant ions	4888

2.4. Area, Production and Productivity of major crops cultivated in the district (2016-17)

Sr. No.	Crop	Area (ha)	Production (MT.)	Productivity (kg/ha)
A	**Kharif**			
1	Cotton	141657	509965	1800
2	Paddy Irrigated	23405	112344	4000
	Un irrigated	42400	106000	2500
3	Castor	20890	41780	2000
4	Maize	37700	75400	2000
5	Pigeon Pea	96472	115766	1200
6	Green gram	185	185	1000
7	Black gram	11514	9211	800
8	Tobacco	5415	8664	1600
9	Soybean	14183	21275	1500
B	**Rabi**			
1	Wheat	21500	60200	2800
2	Gram	280	336	1200
3	Maize	46449	255470	5500
C	Summer			
1	Groundnut	6945	15279	2200
2	Bajara	6735	23573	3500
3	Sesamum	50	20	400
4	Green gram	497	547	1100
5	Fruits	27885	1001072	35900
6	Vegetables	58906	1093884	18570

2.5. Weather data (2018-19)

Month	Rainfall (mm)	Temperature 0 C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
April'18	0	39.4	19.8	50.2	28.4
May'18	0	41.1	24.7	58.3	28.4
June'18	79.6	38.1	27.2	73.6	39.9
July'18	359.1	30.1	25.4	84.7	85.5
Aug'18	175.4	30.2	25.8	84.3	79.6
Sept'18	60.9	30.3	25.1	77.4	72.1
Oct'18	0	34.9	24.4	65.7	43.1
Nov.'18	0	32.7	19.8	71.3	36.6
Dec.'18	0	29.0	13.5	50.8	27.2
Jan.'19	0	30.0	9.5	52.0	26.08

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

Category	Population(00 No)	Production(mt)	Productivity(kg/day)
Cattle			
Crossbred	4860	33.71	11.85
Indigenous	2694	102	5.53
Buffalo	5878	253	6.24
Sheep	132	4.12	932
Goats	2916	13.45	0.66
Poultry			
Hens	3323	160.55	125
Desi	-	-	-
Category		Production (Q.)	Productivity
Fish (Reservoir)	-	-	-

Statistical Report Govt.of Gujarat (2014-15)

2.7. Details of Operational area / Villages

Sl No	Tehsil	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Sankheda	Sankheda	Saradiya, Raipur, Sundarpura Kathmandva, Navapura, Ambapura Vagetha Deroli Amalpur Fajalpura Bamroli Manjrol Golgamdi Vatvatiya Amroli Timbi Kotiya	***Kharif*** Cotton Pigeonpea Castor Banana Vegetables ***Rabi*** Maize **Summer** Greengram Groundnut	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4. Problem of pest & diseases 5. Depends only on manual weeding **Pigeon pea** 1. Improper spacing 2. Use of higher seed rate 3. Improper pest and disease management 4. Improper water management 5. Depends only on manual weeding **Castor** 1. Use of higher seed rate 2. Improper spacing 3. Indiscriminate use of fertilizer 4. Improper water management 5. Problems of wilt, rootrot and semi looper **Banana** 1.No use of tissue culture plants 2. Not follow seed treatment to rhizome 3. Excess use of fertilizer 4. Excess use of water 5. Improper disease management **Maize** 1. Use of higher seed rate 2. Improper spacing 3. Higher application of nitrogenous fertilizer 4. Improper water management **Greengram** 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease management **Groundnut** 1.Use of local seeds 2.No use of micronutrients 3. Improper weed management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM IPM IDM IWM ICM INM IWM ICM IPM`

2.	Naswadi	Naswadi	Dhamasiya Pochamba Payakui Kolamba Akona	***Kharif*** Cotton Paddy Castor ***Rabi*** Wheat Gram **Summer** Greengram Groundnut	**Paddy** 1.Use of local seeds 2.Application of higher dose nitrogenous fertilizer 3.No use of micronutrients 4. T.P. at random method 5.In adequate and delayed plant protection 6.Use more seed rate 7.Problem of BLB, Hopper and stem borer **Wheat** 1. Use of local seeds 2. Delayed sowing 3. Use of higher rate of seed 4. Improper water management 5. Improper nutrient management 6. No use of micronutrients and Bio-fertilizers **Greengram** 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease management **Groundnut** 1.Use of local seeds 2.No use of micronutrients 3. Improper weed management	ICM SRI INM IPM INM IWM ICM ICM INM IPM
3.	Waghodiya	Waghodiya	Goraj, Rojyapura Nurpuri Dolapura	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding **Pigeonpea** 1. Improper spacing 2. Use of higher seed rate 3. Improper pest and disease management 4. Improper water management 5. Depends only on manual weeding **Castor** 1.Use of higher seed rate 2.Improper spacing 3.Indiscriminate use of fertilizer 4.Improper water management 5. Problems of wilt, rootrot and semi looper **Maize** 1. Use of higher seed rate 2. Improper spacing 3. Higher application of nitrogenous fertilizer 4. Improper water management **Greengram** 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management 4. Improper pest and disease Management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM INM IWM ICM INM IWM
4.	Kawant	Kawant	Khatiyawat Baladgam Mudamore Kherka Karajwant Raypur Piplada Kanalva Gordha	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding **Pigeonpea** 1. Improper spacing 2. Use of higher seed rate 3. No use of micronutrients 4. Improper pest and disease management	INM IWM IPM Water Mgt. ICM INM IPM IWM

			Kanas Rangpur Vaniyadri		5. Improper water management 6. Depends only on manual weeding **Maize** 1. Use of higher seed rate 2. Improper spacing 3. No use of micronutrients 4. Higher application of nitrogenous fertilizer 5. Improper water management	ICM INM IWM IPM ICM INM IWM
5.	Pavijetpur	Pavijetpur	Ranbhunghati Butiyapura Kallarani Haripura Deriya Kosum Amalaug Shithol Shihod	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Paddy** 1.Use of local seeds 2.Application of higher dose nitrogenous fertilizer 3.No use of micronutrients 4. T.P. at random method 5.In adequate and delayed plant protection 6.Use more seed rate 7.Problem of BLB, Hopper and stem borer **Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding **Maize** 1. Use of higher seed rate 2. Improper spacing 3. No use of micronutrients 4. Higher application of nitrogenous fertilizer 5. Improper water management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM
6	Bodeli	Bodeli	Kapdiya Nana Butiyapura Ranbunghati MotaButiyapura Navapura Kathmandva Pitha Bhagwanpura Tadndlja Khodiya Dholpur	***Kharif*** Cotton Pigeonpea Castor Banana Vegetables ***Rabi*** Maize **Summer** Greengram Groundnut	**Cotton :** 6. Higher application of nitrogenous fertilizers 7. Improper water management 3. No use of micronutrients 9. Problem of pest & diseases 10. Depends only on manual weeding **Pigeon pea** 1. Improper spacing 2. Use of higher seed rate 3. Improper pest and disease management 4. Improper water management 5. Depends only on manual weeding **Castor** 6. Use of higher seed rate 7. Improper spacing 8. Indiscriminate use of fertilizer 9. Improper water management 10. Problems of wilt, rootrot and semi looper **Banana** 1.No use of tissue culture plants 2. Not follow seed treatment to rhizome 3. Excess use of fertilizer 4. Excess use of water 5. Improper disease management **Maize** 1. Use of higher seed rate 2. Improper spacing 3. Higher application of nitrogenous fertilizer 4. Improper water management **Greengram** 1. Use of local seeds 2. Use of higher seed rate 3. Improper water management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM IPM IDM IWM ICM INM IWM ICM IPM`

					4. Improper pest and disease management **Groundnut** 1.Use of local seeds 2.No use of micronutrients 3. Improper weed management	
7.	Chhotaudepur	Chhotaudepur	Dhandoda Raipur NaniDumali MotiDumali Rojkuva	***Kharif*** Cotton, Pigeonpea, Castor Vegetables ***Rabi*** Maize Gram **Summer** Greengram	**Cotton :** 1. Higher application of nitrogenous fertilizers 2. Improper water management 3. No use of micronutrients 4.Problem of pest & diseases 5. Depends only on manual weeding **Pigeonpea** 1. Improper spacing 2. Use of higher seed rate 3. No use of micronutrients 4. Improper pest and disease management 5. Improper water management 6. Depends only on manual weeding **Maize** 1. Use of higher seed rate 2. Improper spacing 3. No use of micronutrients 4. Higher application of nitrogenous fertilizer 5. Improper water management	INM IWM IPM Water Mgt. ICM INM IPM IWM ICM INM IWM IPM ICM INM IWM

2.8. Priority thrust areas:

Crop/Enterprise	Thrust area
Cotton	Integrated Nutrient Management Integrated Pest Management Integrated Weed management Varietal evaluation
Rice	Varietal evaluation Water Management Integrated Weed Management Integrated Nutrient management Integrated pest Management
Pigeonpea	Varietal evaluation Production and use of organic inputs Integrated pest Management
Gram	Varietal evaluation Production and use of organic inputs Integrated pest Management
Wheat	Integrated crop management Varietal evaluation Integrated weed management Integrated Nutrient management
Maize	Varietal evaluation Integrated Nutrient Management Integrated weed management
Castor	Integrated Pest & Disease Management Varietal evaluation Integrated Nutrient Management Water Management
Green gram	Varietal evaluation Integrated Pest & Disease Management
Urd bean	Varietal evaluation Integrated Pest & Disease Management
Soybean	Varietal evaluation///Integrated Pest & Disease Management
Cucurbits	Integrated Pest & Disease Management//Integrated Nutrient management
Banana	Integrated Nutrient Management //Integrated Weed management//Water Management
Vegetables	Integrated Pest & Disease Management Integrated Nutrient management
Animal husbandry	Management of Dairy animal for maximize the milk production Clean milk production, Animal Health management
Home science	Nutritional security for women and child popularize the drudgery reduction technology//Value addition Income generation activity

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
10	**68**	**17 nos.**	**546**

Training		Extension Activities	
(3)		(4)	
Number of Courses	**Number of Participants**	**Number of activities**	**Number of participants**
103	**2965**	**762**	**36259**

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
Greengram (20 qtl)	**910000**	**-**	**300**

3.1. B. Operational areas details proposed during 2019-20

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	Injudicious use of chemical pesticides and lack of knowledge	525	Pitha, Saradiya	OFT On Assessment of IPM module for sucking pest in cotton
		Not using of bio pesticides	2000	Pitha, Vaniyadri	Training & method demonstration.
		Not using IPM Module.	1500	Sundarpura	FLD on IPM. Training and Field day.
		Non use of improved varieties.	200	Raipur,Kanalwa	FLD on Introduction of High density verity GTHH-49. Training and Field day.
		Not follow proper weed management practices.	1000	Raipur,Kanalwa	Training and Group meeting
		Not use of bio-fertilizer and Micro nutrient.	2000	Raipur,Kanalwa	Training and Group meeting
3	Maize	Not using of bio pesticides	550	Kathmandva, Navapura	FLD on bio-pesticide and Training and Field day.
		Low productivity Maize in intercropping system.	45	Kathmandva, Navapura	OFT on Assessments of varieties of Maize under inter cropping of Bt cotton.
		Not follow proper weed management practices.	200	Kathmandva, Navapura	Training and Group meeting
		Not use of bio-fertilizer and Micro nutrient.	250	Kathmandva, Navapura	Training and Group meeting
4	Urdbean	Non use of improved varieties.	450	Rangpur,Surshi	OFT On Assessment of different varieties of urdbean under un irrigated/ rainfed condition. FLD on improve yielding variety pu-31/NUL-7
		Not follow proper weed management practices.	250	Rangpur, Surshi	Training and Group meeting
		Not using IPM Module.	250	Rangpur, Surshi	Training and Group meeting
5	Soybean	Non use of improved varieties.	300	Kanalva, Gordha	FLD on High yield Variety RVS 2001-04/NRC-37 and Field day
		Not follow proper weed management practices.	350	Kanalva, Gordha	Training and Group meeting
		Not using IPM Module.	320	Kanalva, Gordha	Training and Group meeting

6	Green gram	Non use of improved varieties.	150	Jamli, Bhagvanpura	FLD on High yield Variety GAM-5 and Field day and training.
		Not follow proper weed management practices.	100	Jamli, Bhagvanpura	Training and Group meeting
		Not using IPM Module.	100	Jamli, Bhagvanpura	Training and Group meeting
7	Pigeon pea	Non use of improved varieties.	250	Golagamdi, Manjrol	FLD on High yield Variety Vaishali/ AGT-2 and Field day.
		Not follow proper weed management practices.	150	Golagamdi, Manjrol	Training and Group meeting
		Not using IPM Module.	150	Golagamdi, Manjrol	Training and Group meeting
8	Chilli	No use of weedicides High infestation of Leaf curl virus Poor Yield	100	Tokarva,Vaniyadri Fajalpura,Kathmandava	FLD on IWM in chilli Training on cultivation Practices, IPM and INM
9	Okra	Low yield Use of YVM susceptible varieties. Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides.	150	Shithol,Nana Butiyapura,Tokarva Ranbhun ghati	OFT On Assessment of Varieties of Okra Training on improved cultivation Practices like INM,IPM
10	Tomato	Low yield Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides.	200	Kalarani,Khodiya Panej,Fajalpura Ambapura,	OFT On Assessment of Varieties of Tomato Healthy seedling Provision Training on INM and IPM in tomato
		High infection of TLMV, Late blight Yield losses due to diseases	200	Kalarani,Khodiya Panej,Fajalpura Kathmandava	FLD on Arka Rakshak Healthy seedling Provision Training on improved cultivation Practices
11	Brinjal	Injudicious use of chemical pesticides and Not using bio pesticides Infestation of fruit and shoot borer	70	Tokarva,Vaniyadri Panej,Khodiya Kathmandava	OFT On Assessment of IPM module for shoot and fruit borer in Brinjal Healthy seedling Provision of GOAB 2 Training on cultivation Practices with INM, IPM etc.
12	Banana+ Cabbage	Not following inter cropping in banana	100	Ambapura,Muldhar Fajalpura,	FLD on Inter Cropping with Cabbage(1:4) Training on INM and Irrigation management
13	Kitchen Garden	• Poor health and nutritional status of farm families	100 Nos	Kacchata,, Sundarpura, Khodiya	FLD & Training on Kitchen garden (Nutritional security by kitchen garden)
14	Revolving stool	• Drudgery involved in farm women during milking • No. use of milking stool/stand.	10No.	Bhagwanpura Golagamdi	OFT On Assessment on Use of revolving stool and stand for milking
15	Cotton picking bags	• Decrease working efficiency • Musculoskeletal problems in farm women	50 Nos	Khatmadva, Bhagwanpura	FLD on Drudgery reduction through cotton picking bags
16	Harvesting mittens	Drudgery involved in farm women during harvesting of	20 Nos.	Bhagwanpura Golagamdi	OFT On Assessment on use of soybean harvesting mittens.

		soybean crop			
17	Poultry	Low body weight Less eggs production	All local native breeds	Kanlva, sundrapura,vatvtiya	OFT On Assessment of three way cross breed under Back yard poultry
18	Buffalo	Low milk yield	200	Sundrapura, bhagwanpura,vatvatiya	. Training and Group meeting
		Problem of heat detection	100	Sundrapura, bhagwanpura,vatvatiya	OFT On Assessment of ovsynch protocol in Buffalo.
		Repeat breeding problem	150	Butiyapua,sundrapura, bhagwanpura	OFT On Assessment of ovsynch protocol in Buffalo.
		Problem of Anestrus and Silent Heat	100	Butiyapua,sundrapura, bhagwanpura	OFT On Assessment of ovsynch protocol in Buffalo.
		Long calving interval	150	Butiyapua,sundrapura, bhagwanpura	OFT On Assessment of ovsynch protocol in Buffalo.
19	Sorghum	Low yield of fodder	250	Vanyadri, sundarpur, saradiya,butiyapura	FLD on Cofs-29
		Non use of improved varieties	150	Vanyadri, sundarpur, saradiya,butiyapura	FLD on Cofs-29
20	Bypass protein feed	• No feeding of by pass protien	200	Vanyadri, sundarpur, saradiya,butiyapura	FLD on Bypass protein feed
		• Low milk yield and poor reproduction in cross bred cow	200	Vanyadri, sundarpur, saradiya,butiyapura	FLD on Bypass protein feed
21	Feed Supplement for milking Buffalo	• Low milk yield and poor reproduction in buffalo	300	Vanyadri, sundarpur, saradiya,butiyapura, bhagwanpura	FLD on Bypass protein feed
		• Long inter calving period	250	Vanyadri, sundarpur,saradiya,butiyapura, bhagwanpura	FLD on Bypass protein feed
		• Imbalance feeding	300	Vanyadri, sundarpur, saradiya,butiyapura,bhagwanpura	. Training and Group meeting

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	Othr	TOTAL
Varietal Evaluation		1			2					3
Integrated Crop Management		1								1
Drudgery reduction		1							1	2
Integrated Pest Management		1			1					2
TOTAL		**4**			**3**				**1**	**8**

A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Wormiculture	Fisheries	TOTAL
Disease of Management	1							1
Production and Management		1						1
TOTAL	**1**	**1**						**2**

B. Details of On Farm Trial / Technology Assessment during 2019-20

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	Team members
1	Cotton	Low productivity Non use of improved varieties	Assessments of varieties of Miaze under inter cropping of Bt cotton.	**Treatments** T_1 : Farmers practices:Bt Cotton+Maize (Local Seed) 1:1 T_2 : To be assessed :Bt Cotton + Maize (cv.GAWMH-1)1:1 T_3 : To be assessed :Bt Cotton + Maize (cv. Narmada Moti)1:1	JAU Narmada Moti (2002) AAU GAWMH-2 (2013)	Seed of cv Narmada Moti cv.GAWMH-1	4kg 4kg	600 300	3	2700	• LER of each treatment. • NET Return (Rs/ha)	
2	Urdbean	Low productivity Use of VYM susceptible var Non use of improved varieties.	Assessment of different varieties of Urdbean under un irrigated/ rainfed condition.	**Treatments** T_1 : Farmers practices (T-9) T_2 : To be assessed : Pant Urd-31 T_3 : To be assessed : NUL-7	G.B.Pant University, Pantnagar Pant Urd-31 (2008) Nimal Seeds(2013	Seed of Pant Urd-31 NUL-7	2kg 2kg	105 220	3	1950	• Yield of variety • Benefit cost ratio • No. of Plant infected due to YVM at 30, 60,90 DAS	
3	Okra	Low yield Use of YVM susceptible varieties. Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides.	Assessment of Varieties of Okra	**Treatments** T_1 : Guj. Anand. Okra-5 T_2 : GJOH-4 T_3 : Arka Anamika	Guj. Hyb. Okra-5 (2011) GJOH-4 (2014-15) AAU, Anand Arka Anmika (IIHR2017)	Seeds of Guj. Anand. Okra-5 & GJOH-4,Araka Anamika	3kg 3kg 3kg	400 400 400	3	3300	• No. of Plant infected due to YVM at 30, 60,90 DAS • Yield of Verity	
4	Tomato	Low yield Poor Knowledge of improved cultivation practices Improper use of fertilizer and pesticides.	Assessment of Varieties of Tomato	**Treatments** T_1 : Tomato var.GAT-5 T2: Tomato var. AT-3 T_3 : Arka Ahuti	GAT-5 (2017) AT-3 (2008) AAU, Anand Arka Ahuti (IIHR-2017)	Seedling of Tomato var. GAT-5 & AT-3 Arka Ahuti	5000 5000 5000	1.25 1.25 1.25	3	18750	• Plant Population • No. of Fruit /plant • Period of 1st and last picking	
5	Poultry	Low body weight Less eggs production	Assessment of poultry breed under Back yard poultry	**Treatments** T_1 : Farmers practice – desi birds rearing under back yard. T_2 : Three way cross birds under backyard. (Recom. AAU) T_3 : Kadaknath (Recom. RVSKVV-MP)	AAU , Anand (2016) RVSKVV-MP	Poultry Chicks	30 No.	900	10	9000	• Gain body weight • egg production • Average age at first egg production	

6	Lucerne	Low green fodder yield Non use of Improved Verities	Assessment of different varieties of Lucerne	**Treatments :** T1 : Farmers Practies T2 : Anand-2 (AAU, Anand) T3 : RL-88 (IGFRI-Dharwad)	AAU , Anand IGFRI-Dharwad (2015)	Seed Anand-2 (2kg) RL-88 (2kg)	2kg 2kg	1000	10	10000	• Green fodder yield • No. of Cutting • BCR	
7	Revolving stool	Drudgery involved in farm women during milking No. use of milking stool/stand.	Assessment on Use of revolving stool and stand for milking	**Treatments** T1- Traditional Method T2- Technology Assessed- Revolving stand & Stool for milking.	AICRP- Home Science , MPUAT (2005)	Revolving stand & Stool for milking.	10 No	1200	10	12000	• Time requirement for milking activity • Reduction in drudgery	
8	Harvesting mittens	Drudgery involved in farm women during harvesting of soybean crop	Assessment on use of soybean harvesting mittens.	**Treatments** T1- Traditional Method T2- To be Assessed- use of soybean harvesting mittens.	VNMKU, Parbhani (2013)	Soybean harvesting mittens.	20 No.	200	20	4000	• Work done/ Unit (Kg/hr) • Work done/ Unit (sq.mt/hr)	
9	IPM	Injudicious use of chemical pesticides lack of knowledge Not using of bio pesticides	Assessment of Management practices for sucking pest in cotton	**Treatments** T_1 : Farmers practices (High dose and use of conventional chemical pesticides) T_2 : To be assessed : Alternate spray of Thiamethoxam 25 WG 0.01% @ (4 g/10 lit. of water) and *Beauveria bassiana* (40gms/10 lit. of water) at 15 day interval starting from the pest infestation. T_3 : To be assessed : seed treatment with Thiamethoxam 25 lrt (8 gm/kg seed) and Spray flonicamid 50 WG 4gm/ltr water (at 25% plants infected)	AAU, Anand(2012) & CICR, Nagpur (2018)	Alternate spray of Thiamethoxam 25 WG 0.01% @ (4 g/10 lit. of water) and *Beauveria bassiana* (40gms/10 lit. of water) at 15 day interval starting from the pest infestation.	Thiamethoxam (1ltr) *Beauveria bassiana(1kg* *Flonicmid (60gm)*	1200 200 580	03	1980	• Yield of Crop • Cost of Cultivation • Benefit Cost Ratio • pest population at 30,45, 60 days	
10	IPM	Injudicious use of chemical pesticides and Not using bio pesticides	Assessment of IPM module for shoot and fruit borer in Brinjal	**Treatments** T_1 : Farmers practices (High dose and use of conventional chemical pesticides) T_2 : To be assessed : Install pheromone trap@40/ha and need based application of Azadirachtin 1500 PPM (50 ml/10 lit. of water) OR Emamectin benzoate 5 SG @ 3 gm/10 lit. of water (at 5% shoot or fruit damage)	AAU, Anand	Install pheromone trap@40/ha and need based application of Azadirachtin 1500 PPM (50 ml/10 lit. of water) OR Emamectin benzoate 5 SG @ 3 gm/10 lit. of water (at 5% shoot or fruit damage)	pheromone trap (50 No) Neem oil (1ltr) Emamectin benzoate(100gm)	3250 1200 1200	03	5650	• Yield of Crop • Cost of Cultivation • Benefit Cost Ratio • % shoot damage • % fruit damage	

3.3. Frontline Demonstrations

A. Details of FLDs to be organized -

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ Demon.	Parameters identified
Crop Production									
1	Soybean	*RVS 2001-04/ NRC-37*	ICM	Varietal	Seed RVS 2001-4 /NRC-37(25kg) Trichoderma viride @ 10 gm/kg Micronutrient (10 kg) Sulphur (3 kg) Pesticide (Clorantranilipol 3 ml/10 ltr.	Kharif -19	10.0	25	• Yield & BCR • Maturity days • No. Of pods per plant • Test weight of Grain
2	Sesamum	*Guj Til-3/5*	ICM	Varietal	*Guj Til-3/5* Seed (1 kg)	Summer-20	10.0	25	• Yield & BCR • No. Of Capsule/ plant • Cost of cultivation
3	Greengram	*GAM-5*	ICM	Varietal	GAM-5 Seed (8 kg)	Summer-20	10.0	25	• Soil test base fertilizer application • Yield & BCR • Disease index for YVMV • No. of effective pods • Maturity days • Sucking pest infestation
4	Blackgram	*PU-31/ NUL-7*	ICM	Varietal	*PU-31/ NUL-7 Seed (6 kg)*	Kharif -19	10.0	25	• Soil test base fertilizer application • Yield & BCR • Disease index for YVMV • No. of effective pods per plant • Maturity days • Sucking pest infestation
5	Pigeon pea	Vaishali/ AGT-2	ICM	Varietal	*Vaishali /AGT-2 Seed (6 kg)*	Kharif -19	10.0	25	• Soil test base fertilizer application • No. of grain per pods • Maturity days • No. of branch per plant • No. of branch per plant • Sucking pest and pod borer infestation • Yield & BCR
6	Cotton	Pvt.Hy. (Bt)	ICM	INM	GTHH-49 (400 gm) Bio NPK (1 ltr) Consortia+ Micro Nutrient (10 kg/acre)	Kharif-19	10.0	25	• Soil test base fertilizer application • No.of Ball/ plant • No. of Branch/ plant • Yield & BCR
Horticulture									
7	Chilli	Pvt.Co.F1 Var.	IWM	IWM	Pendimethalin@1lit./ ha(Before TP) + 1 HW after 45 DATP	Kharif -19	5.0	12	• Weed count / sq.mt • Yield & BCR • No.of fruits/plant
8	Tomato	Arka Rakshak	ICM	Varietal	*Seedling of tomato variety*	Summer-20	5.0	12	• % No.of plants infected due to TLMV, LB • Yield & BCR • No. of fruits/plant

9	Banana+ Cabbage	Pvt.Co.F1 Var.	Intercro pping	Intercroppin g	Inter Cropping with Cabbage(1:4)	Rabi-19	5.0	12	• Additional income/ha • LER • Yield & BCR
Animal Husbandry									
10	Sorghum	Cofs-29	Fodder Prod.	Fodder Prod.	COFS-29 (2 kg/ demo)	Kharif-19	5.0	25	• Yield & BCR • No. of cutting
11	Bypass protein feed	Bypass protein feed	Fodder Prod.	Fodder Prod.	Bypass protein feed (60 kg)	Rabi-19	5.0	25	• Milk Yield & BCR • Fat % • Animal Health
12	Feed Supplement for milking Buffalo	Mineral Mixture and Common salt	Animal nutrition	Feed supplement	Anubhav Cheated mineral mixture (5 kg) Common salt (3 kg)	Rabi-19	20 animal s	20	• Milk Yield & BCR • Fat % • Service Period
Home Science									
13	Kitchen Garden	Different vegetable s	Nutrition al Garden	Improved varieties of vegetables	Seeds & Seedlings	Rabi-19	100 Nos.	100	• Total Production (kg) • Economics of demo (Rs/unit)
14	Kitchen Garden	Different vegetable s	Nutrition al Garden	Improved varieties of vegetables	Seeds & Seedlings	Kharif-19	100 Nos.	100	• Total Production (kg) • Economics of demo (Rs/unit)
Plant Protection									
15	Cotton	Pvt.Hy. (Bt)	IPM	IPM	*Use Pheromone trap with Pectino lure(40 no./ha)* *Alternate spray of Pesticide Emamectin benzoate* 5 SG @ 5 gm/10 lit. of water *OR Indoxacarb 15.8 EC 5 ml/10 lit of water at 15 days interval starting from the pest infestation to manage pink boll worm.*	Kharif-19	8.0	20	• Trap cataches at 45,60,75 • No. of ball damaged by pest at 60 ,75,90 days • Yield & BCR • Cost of Cultivation
16	Maize	Pvt.Hy.	IPM / IDM	IPM / IDM	*Seed Treatment with Trichoderma viride @* 7 gm/kg seed then *Spray Biopesticide Neem Oil 40 ml/10 lit of water after 30, 40, 50 and 60 DAS to manage leaf blight and leaf spot disease in Maize.* *Use Carbofuran 3G (10 kg./ha) for stem borer management(During 30-45 DAS) in Maize.*	Rabi-19	8.0	20	• % infested plants • Yield & BCR • Cost of Cultivation
					Total			**496**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
- CFLD on Pulses – Blackgram (Under NFSM) -*Kharif*	50	20
- CFLD on Pulses -Pegionpes (Under NFSM) - *Kharif*	50	20
- CFLD on Pulses – Greengram (Under NFSM) -*Summer*	50	20
- CFLD on Oilseeds – - Soybean (Under NMOOP)- *Kharif*	50	20

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	25	-	500
2	Farmers Training	25	-	750
3	Media coverage	25	-	125
4	Training for extension functionaries	5	-	150

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
Cotton picking bags	Cotton	Kharif-19	50	50Nos.	Cotton picking bags	Output/Manpower/Hours

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	5	5	10	10	5	15	25
Cropping Systems	1	5	5	10	10	5	15	25
Integrated Farming	2	10	10	20	20	10	30	50
Seed production	1	5	5	10	10	5	15	25
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	3	15	15	30	30	15	45	75
Off-season vegetables	1	5	5	10	10	5	15	25
Export potential vegetables	1	5	5	10	10	5	15	25
IV Livestock Production and Management								
Dairy Management	1	5	5	10	10	5	15	25
Poultry Management	1	5	5	10	10	5	15	25
Piggery Management								
Rabbit Management/goat	1	5	5	10	10	5	15	25
Disease Management	1	5	5	10	10	5	15	25
Feed management	1	5	5	10	10	5	15	25
V Home Science/Women empowerment								
Household food security by kitchen gardening	2	0	20	20	0	30	30	50
Value addition	3	0	30	30	0	45	45	75

VII Plant Protection								
Integrated Pest Management	2	10	10	20	20	10	30	50
Integrated Disease Management	2	10	10	20	20	10	30	50
Bio-control of pests and diseases	1	5	5	10	10	5	15	25
TOTAL	**25**	**100**	**150**	**250**	**200**	**175**	**375**	**625**
(B) RURAL YOUTH								
Production of organic inputs (IPM)	1	10	5	15	10	5	15	30
Nursery Management of Horticulture crops	1	10	5	15	10	5	15	30
Dairy Farming	1	10	5	15	10	5	15	30
Value Addition	1	0	15	15	0	15	15	30
Seed Production	1	10	5	15	10	5	15	30
TOTAL	**5**	**40**	**35**	**75**	**40**	**35**	**75**	**150**
(C) Extension Personnel								
Integrated Pest Management	1	20	10	30	15	5	20	30
Protected cultivation technology	1	20	10	30	15	5	20	30
Livestock feed and fodder production	1	20	10	30	15	5	20	30
Low cost and nutrient efficient diet designing	1	20	10	30	15	5	20	30
Production and use of organic inputs	1	20	10	30	15	5	20	30
Any other (Sponsored Progremme)	6	100	80	180	75	45	120	180
TOTAL	**11**	**200**	**130**	**330**	**150**	**70**	**220**	**330**
G. Total	**38**	**320**	**290**	**610**	**370**	**255**	**625**	**1015**

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	3	30	15	45	30	15	45	90
Cropping Systems	1	10	5	15	10	5	15	30
Integrated Farming	1	10	5	15	10	5	15	30
Water management	2	20	10	30	20	10	30	60
Seed production	1	10	5	15	10	5	15	30
Integrated Crop Management	1	10	5	15	10	5	15	30
Production of organic inputs	1	10	5	15	10	5	15	30
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops	2	20	10	30	20	10	30	60
Off-season vegetables	1	10	5	15	10	5	15	30
Nursery raising	1	10	5	15	10	5	15	30
Export potential vegetables	1	10	5	15	10	5	15	30
Protective cultivation (Green Houses, Shade Net etc.)	2	20	10	30	20	10	30	60
b) Fruits								
Training and Pruning	1	10	5	15	10	5	15	30
Cultivation of Fruit	1	10	5	15	10	5	15	30
Micro irrigation systems of orchards	1	10	5	15	10	5	15	30
IV Livestock Production and Management								
Dairy Management	3	30	15	45	30	15	45	90
Poultry Management	1	10	5	15	10	5	15	30

Rabbit Management/goat	1	10	5	15	10	5	15	30
Disease Management	1	10	5	15	10	5	15	30
Feed management	2	20	10	30	20	10	30	60
Production of quality animal products	2	20	10	30	20	10	30	60
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	0	15	15	0	15	15	30
Designing and development for high nutrient efficiency diet	2	0	30	30	0	30	30	60
Minimization of nutrient loss in processing	1	0	15	15	0	15	15	30
Value addition	5	0	75	75	0	75	75	150
Location specific drudgery reduction technologies	1	0	15	15	0	15	15	30
VII Plant Protection								
Integrated Pest Management	4	40	20	60	40	20	60	120
Integrated Disease Management	4	40	20	60	40	20	60	120
Bio-control of pests and diseases	2	20	10	30	20	10	30	60
X Capacity Building and Group Dynamics								
Leadership development	2	20	10	30	20	10	30	60
Group dynamics	5	50	25	75	50	25	75	150
Entrepreneurial development of farmers/youths	3	30	15	45	30	15	45	90
TOTAL	**60**	**500**	**400**	**900**	**500**	**400**	**900**	**1800**
G. Total	**60**	**500**	**400**	**900**	**500**	**400**	**900**	**1800**

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	4	35	20	55	40	20	60	115
Cropping Systems	2	15	10	25	20	10	30	55
Integrated Farming	3	20	15	35	30	15	45	80
Water management	2	20	10	30	20	10	30	60
Seed production	2	15	10	25	20	10	30	55
Integrated Crop Management	1	10	5	15	10	5	15	30
Production of organic inputs	1	10	5	15	10	5	15	30
II Horticulture								
Production of low volume and high value crops	5	35	25	60	50	25	75	135
Off-season vegetables	2	15	10	25	20	10	30	55
Nursery raising	1	10	5	15	10	5	15	30
Export potential vegetables	2	15	10	25	20	10	30	55
Protective cultivation (Green Houses, Shade Net etc.)	2	20	10	30	20	10	30	60
Training and Pruning	1	10	5	15	10	5	15	30
Cultivation of Fruit	1	10	5	15	10	5	15	30
Micro irrigation systems of orchards	1	10	5	15	10	5	15	30
IV Livestock Production and Management								
Dairy Management	4	35	20	55	40	20	60	115
Poultry Management	2	15	10	25	20	10	30	55

Rabbit Management/goat	2	15	10	25	20	10	30	55
Disease Management	2	15	10	25	20	10	30	55
Feed management	3	25	15	40	30	15	45	85
Production of quality animal products	2	20	10	30	20	10	30	60
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	3	0	25	25	0	45	45	70
Designing and development for high nutrient efficiency diet	2	0	30	30	0	30	30	60
Minimization of nutrient loss in processing	1	0	15	15	0	15	15	30
Value addition	8	0	105	105	0	120	120	225
Location specific drudgery reduction technologies	1	0	15	15	0	15	15	30
VII Plant Protection	0	0	0	0	0	0	0	0
Integrated Pest Management	6	50	30	80	60	30	90	170
Integrated Disease Management	6	50	30	80	60	30	90	170
Bio-control of pests and diseases	3	25	15	40	30	15	45	85
X Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0
Leadership development	2	20	10	30	20	10	30	60
Group dynamics	5	50	25	75	50	25	75	150
Entrepreneurial development of farmers/youths	3	30	15	45	30	15	45	90
TOTAL	85	600	550	1150	700	575	1275	2425
(B) RURAL YOUTH	0	0	0	0	0	0	0	0
Production of organic inputs (IPM)	1	10	5	15	10	5	15	30
Nursery Management of Horticulture crops	1	10	5	15	10	5	15	30
TOTAL	2	20	10	30	20	10	30	60
(C) Extension Personnel	0	0	0	0	0	0	0	0
Integrated Pest Management	1	20	10	30	15	5	20	30
Rejuvenation of old orchards	0	0	0	0	0	0	0	0
Protected cultivation technology	1	20	10	30	15	5	20	30
Livestock feed and fodder production	1	20	10	30	15	5	20	30
Low cost and nutrient efficient diet designing	1	20	10	30	15	5	20	30
Production and use of organic inputs	1	20	10	30	15	5	20	30
Any other (Sponsored Progremme)	6	100	80	180	75	45	120	180
TOTAL	11	200	130	330	150	70	220	330
G. Total	98	820	690	1510	870	655	1525	2815

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	25	350	150	500	10	5	15	360	155	515
KisanMela	2	1000	500	1500	10	5	15	1010	505	1515
KisanGhosthi	5	200	70	270	6	2	8	206	72	278
Exhibition	5	5000	2000	7000	10	5	15	5010	2005	7015
Film Show	50	500	150	650	0	0	0	500	150	650
Farmers Seminar	6	200	150	350	10	5	15	210	155	365
Workshop	6	200	150	350	10	5	15	210	155	365
Group meetings	60	200	100	300	0	0	0	200	100	300
Lectures delivered as resource persons	75	3000	1500	4500	0	0	0	3000	1500	4500
Newspaper coverage	15	0	0	0	0	0	0	0	0	0
Radio talks	5	0	0	0	0	0	0	0	0	0
TV talks	5	0	0	0	0	0	0	0	0	0

Popular articles	12	0	0	0	0	0	0	0	0	0
Extension Literature	100	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	75	100	50	150	0	0	0	100	50	150
Farmers visit to KVK	150	2000	1500	3500	0	0	0	2000	1500	3500
Diagnostic visits	60	200	100	300	0	0	0	200	100	300
Exposure visits	50	200	100	300	0	0	0	200	100	300
Ex-trainees Sammelan	05	200	100	300	0	0	0	200	100	300
Soil health Camp	5	100	50	150	6	2	8	106	52	158
Animal Health Camp	5	100	50	150	6	2	8	106	52	158
SMS Service	30	15000	00	15000	00	00	0	15000	0	15000
Soil test campaigns	2	100	50	150	6	2	8	106	52	158
MahilaMandals Conveners meetings	2	100	50	150	6	2	8	106	52	158
Celebration of important days (specify)	5	300	100	400	6	2	8	306	102	408
Pre Kharif workshop	1	50	25	75	6	2	8	56	27	83
Pre Rabi workshop	1	50	25	75	6	2	8	56	27	83
Total	**762**	**29150**	**6970**	**36120**	**98**	**41**	**139**	**29248**	**7011**	**36259**

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (qtl.)
PULSES	Greengram	GAM-5	20

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	Kagdi lime and drum stick and mango	Kagdi lime, PKM-1, Kesar Rajapuri/ Langdo	10000
VEGETABLES	Chilli	F1	300000
	Tomato	F1	200000
	Brinjal	F1	100000
	Cabbage	F1	100000
	Cauliflower	F1	100000
	Onion	Nasik red	100000
		Total	**910000**

4. Literature to be Developed/Published

A. KVK News Letter

Date of start : June-2012

Number of copies to be published : 250

B. Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	01
2	Technical reports	04
3	News letters	02
4	Training manual all discipline	06
5	Popular article	12
6	Extension literature	12
	Total	**37**

6. LINKAGES

6.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Anand Agricultural University, Anand	Technical Support
Model farm, Anand Agricultural University, Vadodara	Technical Support
State Department of Agriculture, and Dept. of Agriculture, District Panchayat, Vadodara / Chhotaudepur	Technical / Financial Support
State Dept. of Horticulture, Vadodara/ Chhotaudepur	Technical / Financial Support
National Horticulture Mission, Vadodara / Chhotaudepur	Technical / Financial Support
Dept. of Animal Husbandry, Vadodara / Chhotaudepur	Technical / Financial Support
ATMA Project, Vadodara / Chhotaudepur	Technical / Financial Support
Central ware housing Corporation	Technical Support
APMC Vadodara / Chhotaudepur	Technical / Financial Support
District Watershed Development Unit, Vadodara / Chhotaudepur	Technical Support
Main Research Station (Cotton), Surat, Navsari Agricultural University	Technical Support
National Bank for Agriculture and Rural Development (NABARD),Vadodara	Technical Support
LEAD Bank Bank Of Baroda/State Bank of India	Technical Support
SEWA, Bodeli	Technical Support
GGRC	Technical Support
GSFC	Technical Support
Baroda Swarojgar Vikas Sansthan, Vadodara / Chhotaudepur	Technical Support
Prakurti Foundation , Zalod	Technical Support

6.2. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

S. No.	Programme	Nature of linkage
1	05	Training
2	02	FLD
3	02	Farmer scientist Interaction
4	02	Kisan Goshti
5	02	Farmers school

6.4. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	03	Training Progamme,

6.5. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		

6.6. Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL etc.) / schemes during 2019-20

S.No.	Name of the agency / scheme	Name of activity	Technical programme with quantification	Financial outlay (Rs.)	Names of the team members involved
-		-	-	-	-

7.0 Convergence with other agencies and departments:

8. Innovator Farmer's Meet 2019- 20

Sl.No.	Particulars	Details
	Are you planning for conducing Farm Innovators meet in your district?	Yes
	If Yes likely month of the meet	Oct '20
	Brief action plan in this regard	

9. Farmers Field School (FFS) planned 2019-2020

S. No	Thematic area	Title of the FFS	Budget proposed in Rs.

10.1. Technical Feedback of the farmers about the technologies demonstrated and assessed:

S. No	Feed Back
Soybean cv.JS-20-29	Seed shattering problem is less in this variety. Variety gives stable performance in water logged and dry condition
Cotton (IPM)	Use of Pheromone trap and bio-pesticides reduced no. of chemical pesticides sprays, which has minimized cultivation cost. It is safer for beneficial insects like beetles.
Black gram cv.PU-31	YVM infestation not found in this variety and Mature earlier as compare to Local variety
Pigeon pea cv.AGT-2	Wilt problem is less as compare to Vaishali variety and INM also increase the growth and yield of plant.
Green gram cv.GAM-5	YVM resistance variety and Market rate more due to bold seed size.
Tomato (INM)	More number of picking and fruit quality is improved due to application of micronutrients.
Chilli (INM)	Less field mortality after deeping treatment of seedlings and better quality in fruits
Brinjal Cv.GAOB-2	The variety gives good yield, Higher market prices due to market preference, Low infestation of sucking pests
Oat (F) cv.JHO-822	This Variety gave higher green fodder yield as compare to local variety Milk Production has increase due to introduction of oat as green fodder
Lucerne (F)cv.Anand-2	Leaf size of Anand Lucerne -2 big as compared to local verity. Milk Production has increase by feeding of Lucerne as green fodder
Buffalo (Bypass fat)	Milk yield and fat percentage has increased and reduced inter calving period.
Cotton Picking Bags	• Farm women convinced to use Cotton picking bags because of saving time, and physical energy. • Use of Cotton picking bags also increases the working efficiency.
Kitchen gardening	Farm women are ready to adopt kitchen garden because of variety of vegetables available for their food. Farm women save the expenses as against vegetables purchases.

10.2. Technical Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:

Technical Feedback on the demonstrated technologies

S. No	Feed Back
Soybean cv.JS-20-29	Test weight found higher as compare to NRC-37 (20% high test weight) It is needed to work more on develop of pest resistance/tolerance for the variety.
Cotton (IPM)	• Pheromone traps, bio-pesticides has minimized the infestation of pink boll worm and good quality cotton was harvested • There is need to develop pink boll worm pest resistant varieties of cotton.
Black gram cv.PU-31	Better weed management found due to adoption IWM and Plant growth found better due to adoption INM.

Pigeon pea cv.AGT-2	Less sterility mosaic as compare to BDN-2 variety.
Green gram cv.GAM-5	INM increase growth of plant and size of seed.
Tomato (INM)	Problem of leaf minor and virus should be given more weightage in research programme.
Chilli (INM)	Cultivars having tolerance /resistance to leaf curl
Brinjal Cv.GAOB-2	It is needed to evolve varieties having resistance/tolerance to fruit and shoot borer
Oat (F) cv.JHO-822	Good fodder crop for introduction in this area
Lucerne (F)cv.Anand-2	If released fodder crop for biannually than reduce the cost of cultivation and increase production
Buffalo	Good supplementary feed for dairy animals to increase milk and fat percentage and reduce inter calving period.
Cotton Picking Bags	• Easy to wear, equal distribution of load • Higher carrying capacity to improve harvesting efficiency.
Kitchen gardening	Farm women are ready to adopt kitchen garden because of variety of vegetables available for their food. Farm women save the expenses as against vegetables purchases.

11. Utilization of hostel facilities

S. No.	Programme	No. of days
1	On Campus	140
2	Sponsor Training Programme	10
3	Extension Personal Training	24

12. ACTION PLAN OF INFRASTRUCTURE IN KVK

B. Action plan of instructional farm (Crops) including seed production

Name of the crop	Area (ha)	Details of production (expected)			Expected Amount (Rs.)		Remarks
		Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals							
Wheat	2.36	GW-451	Grain	70 (qtl)	65000	126000	
Paddy	3.29	GR-11	Grain	75 (qtl)	80000	120000	
Pulses							
Greengram	2.5	GAM-5	Seed	20 (qtl)	55000	240000	
Soybean	3.60	RVS 2001-04/NRC-37	Seed	30 (qtl)	35000	75000	
Fruits							
Kagdi lime Drum stick Mango	0.40	Kagdi lime Kesar/Rajapuri/Langada	Graft /sapling	10000 (Nos.)	100000	250000	
Vegetables	0.20	F1	Seedling	900000	900000	1350000	

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
08.05.2019 12.05.2019	PF	Importance of Mix cropping in pigeonpea and cotton crop.	4	5	5	10	10	5	15	25
25.09.2019 28.09.2019	PF	Weed management and Nutrient Mang. in Paddy Cotton, Soybean Crops	4	5	5	10	10	5	15	25
14.11.2019 17.11.2019	PF	Seed production of cotton & Paddy Crops	4	5	5	10	10	5	15	25
15.01.2020 18.01.2020	PF	Nutreint Mang and Weed Mang.in Maize.	4	5	5	10	10	5	15	25
05.02.2020 08.02.2020	PF	Nutrient Mang and Weed Mang.in Green gram.	4	5	5	10	10	5	15	25
Horticulture										
05.06.2019 08.06.2019	PF	Healthy seedling preparation of tomato & Chili	4	5	5	10	10	5	15	25
17.07.2019 20.07.2019	PF	Improved cultivation practices in banana	4	5	5	10	10	5	15	25
18.09.2019 21.09.2019	PF	Importance of grading and packaging of fruits and vegetable.	4	5	5	10	10	5	15	25
10.10.2019 13.10.2019	PF	Improved cultivation practices in brinjal	4	5	5	10	10	5	15	25
11-12-2019 14-12-2019	PF	Imp.of MIS in Chili and Tomato	4	5	5	10	10	5	15	25
Livestock prod.										
21.05.2019 24.05.2019	PF/FW	Back yard poultry management.	4	5	5	10	10	5	15	25
25.06.2019 28.06.2019	PF/FW	Prevention and control of infections disease of animals.	4	5	5	10	10	5	15	25
20.08.2019 23.08.2019	PF/FW	Feeding,Breeding and housing mang. practices of dariy animals	4	5	5	10	10	5	15	25
04.09.2019 07.09.2019	PF/FW	Goat Farming - A best income genernation activities in tribal areas.	4	5	5	10	10	5	15	25
17.12.2019 20.12.2019	PF/FW	Care and Management of Newborn calf	4	5	5	10	10	5	15	25
Home Sc.										
13.06.2019 16.06.2019	PF	Value addition in fruits and vegetables	4	0	10	10	0	15	15	25
03.07.2019 06.07.2019	PF	Importance of Kitchen gardening	4	0	10	10	0	15	15	25
23.08.2019 26.08.2019	PF	Preparation of Vermicompost	4	0	10	10	0	15	15	25
08.09.2019 11.09.2019	PF	Value addition in Soybean	4	0	10	10	0	15	15	25
10.12.2019 13.12.2019	PF	Value addition in Soybean	4	0	10	10	0	15	15	25
Pl.Protection										
15.05.2019 18.05.2019	PF	IPM in Cotton	4	5	5	10	10	5	15	25
18.06.2019 21.06.2019	PF	Role of biopesticides for management of cotton pest and diseases.	4	5	5	10	10	5	15	25
01.08.2019 04.08.2019	PF	IDM and IPM in Soybean Crop	4	5	5	10	10	5	15	25
26.11.2019 29.11.2019	PF	IDM and IPM in Maize	4	5	5	10	10	5	15	25
12.02.2020 15.02.2020	PF	Ecofriendly management of pest and disease of summer Greengram and Groundnut	4	5	5	10	10	5	15	25

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in	No. of participants	Number of SC/ST	G. Total

			days	M	F	T	M	F	T	
Crop Production										
10.04.2019	PF	ICM system for sustainable crop production of cotton and piegonpea.	1	10	5	15	10	5	15	30
27.04.2019	PF	Role of waste decomposter in organic farming.	1	10	5	15	10	5	15	30
12.05.2019	PF	Water mang. in hilly area	1	10	5	15	10	5	15	30
22.05.2019	PF	Weed management in cotton.	1	10	5	15	10	5	15	30
21.06.2019	PF	Nutrient Management in Paddy and Soybean crop.	1	10	5	15	10	5	15	30
23.07.2019	PF	Micronutrients management in Cotton & Maize crop.	1	10	5	15	10	5	15	30
28.08.2019	PF	Weed management in Pigeonpea and Blackgram	1	10	5	15	10	5	15	30
17.09.2019	PF	How to increase water use efficiency in cash crop.	1	10	5	15	10	5	15	30
20.10.2019	PF	Seed production in Paddy and Black gram.	1	10	5	15	10	5	15	30
17.11.2019	PF	Scientific cultivation of Rabi crops.	1	10	5	15	10	5	15	30
19.01.2020	PF	Weed management in Groundnut.	1	10	5	15	10	5	15	30
Horticulture										
10.04.2019	PF	Improved cultivation practices of summer okra	1	10	5	15	10	5	15	30
04.05.2019	PF	Use of bio fertilizers and organic manures in chili and tomato cultivation	1	10	5	15	10	5	15	30
17.05.2019	PF	Healthy seedling Production of Chilli and tomato	1	10	5	15	10	5	15	30
05.06.2019	PF	Integrated crop management in papaya	1	10	5	15	10	5	15	30
27.06.2019	PF	Nutrient management in chilli and tomato cultivation	1	10	5	15	10	5	15	30
12.06.2019	PF	INM and important culture practices in banana	1	10	5	15	10	5	15	30
13.07.2019	PF	Importance of MIS and fertigation in Chilli	1	10	5	15	10	5	15	30
11.08.2019	PF	Additional Income generation through farm border plantation	1	10	5	15	10	5	15	30
11.09.20.19	PF	Grading and Packaging of chilli and tomato	1	10	5	15	10	5	15	30
05.10.2019	PF	Seedlings production through plug nursery for cabbage and cauliflower	1	10	5	15	10	5	15	30
Live Stock Production.										
24.04.2019	PF	back yard poultry management	1	10	5	15	10	5	15	30
08.05.2019.	PF	care and management of heifer for better reproductive performance	1	10	5	15	10	5	15	30
29.06.2019	PF	Calf rearing and calf management practices in dairy animals	1	10	5	15	10	5	15	30
14.07.2019	PF	Feed & fodder Management of milch animals	1	10	5	15	10	5	15	30
24.08.2019	PF	Breeding management to reduce calving interval	1	10	5	15	10	5	15	30
08.09.2019	PF	Mineral nutrition to improve fertility	1	10	5	15	10	5	15	30
10.10.2019	PF	Care and Management of animal in advanced pregnancy	1	10	5	15	10	5	15	30
16.11.2019	PF	Prevention and control of parasite	1	10	5	15	10	5	15	30
21.12.2019	PF	clean milk production	1	10	5	15	10	5	15	30
16.01.2020.	PF	Advantage and and importance of urea treatment and silage making	1	10	5	15	10	5	15	30
Home Sc.										
01.05.2019	FW	Preparation of mango squash and jam	1	0	15	15	0	15	15	30
12.06.2019	FW	Preparation of tomato ketchup and chutney	1	0	15	15	0	15	15	30
16.07.2019	FW	Importance of Kitchen Gardening	1	0	15	15	0	15	15	30
13.08.2019	FW	Drudgery reduction in Farm women	1	0	15	15	0	15	15	30
14.09.2019	FW	Preparation of Soymilk and Paneer	1	0	15	15	0	15	15	30
28.09.2019	FW	Low cost nutritious diet from locally available food	1	0	15	15	0	15	15	30

		material								
08.10.2019	FW	Preparation of Soynuts	1	0	15	15	0	15	15	30
12.11.2019	FW	Imp. of balanced diet & Imp.of right food habits.	1	0	15	15	0	15	15	30
24.12.2019	FW	Preparation of lemon squash and banana waffers	1	0	15	15	0	15	15	30
02.01.2020	FW	Imp. of Fruits and Vegetables in the diet.	1	0	15	15	0	15	15	30
Extension Education										
19.04.2019	PF	Awareness training on different govt.scheme realted to agriculture	1	10	5	15	10	5	15	30
24.05.2019	PF	Awareness & Use of different apps of communication media.	1	10	5	15	10	5	15	30
21-06-2019	PF	Awarenss about Govt. Subsidy Scheme in agri.	1	10	5	15	10	5	15	30
21-07-2019	PF	Enterprenuerhship development through dairy farming	1	10	5	15	10	5	15	30
22-08-2019	PF	Awarness about cashless transation & Its benefits.	1	10	5	15	10	5	15	30
19.09.2019	PF	Govt.scheme procedure for implementation	1	10	5	15	10	5	15	30
19.10.2019	PF	use agril. related website for information benefits.	1	10	5	15	10	5	15	30
19.11.2019	PF	Awarmess regarding state Govt. development schemes	1	10	5	15	10	5	15	30
19.12.2019	PF	Information and communication technology in agri.sector	1	10	5	15	10	5	15	30
19.01.2020	PF	Banking solutions for farmers & farm workers	1	10	5	15	10	5	15	30
Pl.Protection										
30.04.2019	PF	Important pest and disease of cotton and their management through integrated approach	1	10	5	15	10	5	15	30
10.05.2019	PF	Disease Management in Paddy	1	10	5	15	10	5	15	30
24.05.2019	PF	Pest and Disease Management in Oilseeds Crop	1	10	5	15	10	5	15	30
14.06.2019	PF	Pest population management at seedling stage in tomato and chilli	1	10	5	15	10	5	15	30
11.07.2019	PF	Pest and Disease Management in soybean Crop	1	10	5	15	10	5	15	30
06.08.2019	PF	Use of Biofertilizer and Biopesticides to management of pest and disease	1	10	5	15	10	5	15	30
18.09.2019	PF	IDM and IPM in Pegionpea	1	10	5	15	10	5	15	30
10.12.2019	PF	Integrated Disease Management in Maize	1	10	5	15	10	5	15	30
5.01.2020	PF	Important pest of Maize and their management through integrated approach (IPM)	1	10	5	15	10	5	15	30
07.02.2020	PF	Preparation of biopesticides and their use in manage pest and disease	1	10	5	15	10	5	15	30

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	
Plant Protection	IPM	Preparation of low cost technological inputs to manage Pest and Disease	01-12-19 to 8-12-19	8	10	5	15	10	5	15	30
Nursery Management	Training and Pruning	nursery Management in horticulture crops	05-07-19 to 13-07-19	8	10	5	15	10	5	15	30
Dairy Farming	Dairy Farming	Dairy Farming	1-1-2020 8-1-2020	8	10	5	15	10	5	15	30
Value Addition	Value Addition	Value Addition in Fruits and Veg. Crops	1-2-2020 8-2-2020	8	0	15	15	0	15	15	30
				32	**30**	**30**	**60**	**30**	**30**	**60**	**120**

iii) Training programme for extension functionaries

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	

On Campus										
18.01.2020	Extension functionaries	Preparation of high nutrient efficiency diet from locally available food	3	20	10	30	15	5	20	30
20.12.2019	Extension functionaries	Low cost net house and greenhouse	3	20	10	30	15	5	20	30
22.06.2019	Extension functionaries	Dairy Farming	3	20	10	30	15	5	20	30
26.05.2019	Extension functionaries	Contingency Crop Planning/ oil seed cultivation	3	20	10	30	15	5	20	30
2.1.2020	Extension functionaries	Low cost net house and greenhouse	3	20	10	30	15	5	20	30
22.01.2020	Extension functionaries	Dairy Farming	3	20	10	30	15	5	20	30
26.02.2020	Extension functionaries	Contingency Crop Planning/ oil seed cultivation	3	20	10	30	15	5	20	30
25.03-2020	Extension functionaries	PMFBY Information	3	20	10	30	15	5	20	30
		Total	**24**	**160**	**80**	**240**	**120**	**40**	**160**	**240**

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training programme											
Home Science	ATMA Project	PF	Value Addition in Fruits and Vegetables	3	0	30	30	0	20	20	30
Horticulture	Horticulture Dept.	PF	Cultivation of medicinal and aromatic plants	3	20	10	30	15	5	20	30
Animal Sci	ATMA Project	PF	Dairy Farming	3	20	10	30	15	5	20	30
Plant Prot	ATMA Project	PF	IPM	3	20	10	30	15	5	20	30
Agronomy	ATMA Project	PF	Organic Farming	3	20	10	30	15	5	20	30
Ext. Edu	ATMA Project	PF	Leadership Developments	3	20	10	30	15	5	20	30
			Total	**18**	**100**	**80**	**180**	**75**	**45**	**120**	**180**

Annexure - II

Budget - Details of budget utilization (2018-19) up to Feb 2019

S.No.	Particulars	Sanctioned	Released	Expenditure
13.1	**Recurring Contingencies**			
13.1.1	**Pay & Allowances**	11800000	9000000	9355566
13.1.2	**Traveling allowances**	100000	900000	36578
13.1.3	**Contingencies**	1100000		768742
13.1.4.1	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance	450000		169145
B	POL, repair of vehicles, tractor and equipments			99217
C	Meals/refreshment for trainees	650000		162575
D	Training material			59195
E	Frontline demonstration except oilseeds and pulses			224516
F	On farm testing			34099
G	Training of extension functionaries			19995
H	Maintenance of buildings			0
I	Establishment of Soil, Plant & Water Testing Laboratory			0
J	Library			0
13.1	**Total Recurring**	**1300000**	**9900000**	**10160886**
13.2	**Non-Recurring Contingencies**			
13.2.1	**Works**	0	0	0
13.2.2	**Equipments including SWTL & Furniture**	0	0	0
13.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	0	0	0
24.2.4	**Library**	800000	0	0
13.2	**Total Non Recurring**	0	0	0
13.3	**REVOLVING FUND**	0	0	0
13.4	**GRAND TOTAL (A+B+C)**	**13800000**	**13397000**	**10160886**

Details of Budget Estimate (2019-20) based on proposed action plan

S. No.	Particulars	BE 2019-20 proposed (Rs.)
14.1	**Recurring Contingencies**	
14.1.1	**Pay & Allowances**	**13000000**
14.1.2	**Traveling allowances**	**100000**
14.1.3	**Contingencies**	**1400000**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	300000
B	POL, repair of vehicles, tractor and equipments	250000
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	250000
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	120000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	270000
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	100000
G	Training of extension functionaries	30000
H	Maintenance of buildings	60000
I	Establishment of Soil, Plant & Water Testing Laboratory	0
J	Library	20000
14.1	**TOTAL Recurring Contingencies**	**14500000**
14.2	**Non-Recurring Contingencies**	
14.2.1	**Works** Training Hall (Rs.25.00 lacs)	2500000
14.2.2	**Equipments including SWTL & Furniture** Computer with accessories (1.00 lacs) Grain & Grading Machine (2.00 lacs) Rotary (1.00 lacs) Hostel Furniture (0.50 lacs)	470000
14.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify) Tractor with Implements (8.00 lacs) Jeep (10.00 lacs)	1000000
14.2.4	**Library** (Purchase of assets like books & journals)	0
14.2	**TOTAL Non-Recurring Contingencies**	**3970000**
14.3	**REVOLVING FUND**	**0**
14.4	**GRAND TOTAL**	**18470000**