ICAR-ATARI, Pune

DETAILS OF ACTION PLAN OF KVKs DURING 2020

(1st January 2020 to 31st December 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		
Senior Scientist and Head Krishi Vigyan Kendra, Junagadh Agricultural University, Keriya Road, Model farm, Amreli (Gujarat)-365601	02792 227122	02792 227122	kvkamreli@gmail.com	-----

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, Agril. Campus, Motibaugh, Junagadh-362001 (Gujarat)	0285 2672080-90	0285 2672004 2672653	-----	www.jau.in

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

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. N. S. Joshi Ph.D, Horticulture	02792 227122	9428191963	nileshjoshi2207@gmail.com

1.4. Year of sanction: Deputy Secretary, ICAR, New Delhi, Letter No. 13-16/2003/1, Dt. 7.12.2004

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

Sr. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	If Permanent, Please indicate		
					Current Pay Band	Current Grade Pay	Date of joining
1	Senior Scientist & Head	Dr. N. S. Joshi	Programme Coordinator	Horticulture	15600-39100 G.P. 8000	24170	24/03/2015
2	Subject Matter Specialist	Er. P. S. Jayswal	Subject Matter Specialist	Agriculture Engineering	15600-39100 G.P. 6000	24140	10/09/2012
3	Subject Matter Specialist	Dr. N. Tiwari	Subject Matter Specialist	Home Science	15600-39100 G.P. 6000	19050	01/04/2013
4	Subject Matter Specialist	Mr. P. J. Prajapati	Subject Matter Specialist	Crop Production	15600-39100 G.P. 6000	16920	31/03/2015
5	Subject Matter Specialist	Mr. V. S.Parmar	Subject Matter Specialist	Extension Education	15600-39100 G.P. 6000	16920	12/05/2016
6	Subject Matter Specialist	Mr. N. M. Kachhadiya	Subject Matter Specialist	Plant Protection	15600-39100 G.P. 6000	-	-
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	Animal Science	-	-	-
8	Programme Assistant	Ms. K. K Gadhiya	Programme Assistant	Plant pathology	09300-34800	-	30/07/2018
9	Computer Programmer	Shri S .N. Joshi	Computer Programmer	-	39900-126600	44900	01/07/2010
10	Farm Manager	Mr. S. G Baria	Farm Manager	Agriculture	09300-34800	-	30/07/2018
11	Office Superintendent cum Accountant	Shri H. J. Ravaliya	Office Superintendent cum Accountant	-	39900-126600	44900	01/12/2011
12	Stenographer	Shri A. H. Parmar	Stenographer	-	19,950/- fix	-	18/11/2013
13	Driver	Vacant	Driver	-	-	-	-
14	Driver	Vacant	Driver	-	-	-	-
15	Supporting staff	Vacant	Supporting staff	-	-	-	-
16	Supporting staff	Vacant	Supporting staff	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	3.50
2.	Under Demonstration Units	1.50
3.	Under Crops	12.50
4.	Horticulture	0.50
5.	Pond	1.0
6.	Others if any (Polytechnic Home Sci. building)	1.0
	Total	**20**

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.)	
1.	Administrative Building	ICAR	2008	500	3190000	NIL
2.	Farmers Hostel	ICAR	2008	305	2088000	
3.	Staff Quarters (6)	ICAR	2008	400	3204000	
4.	Farm Wall	ICAR	2008	-	-	
5.	RWH system	ICAR	2008	-	960000	
6.	Threshing yard	ICAR	2009	-	-	
7.	Godown and processing shed	RKVY	2009	70.62	500000	
8.	Poly House	RKVY	2010	320	281600	
9.	Net House	RKVY	2010	150	64450	
10.	Training hall	RKVY	2010	190.99	1396300	
11.	Pilot scale Process plant	RKVY	2010	197.31	1536400	
12.	Implement shed	RKVY	2010	77.33	286300	
13.	Farm Wall	ICAR	2016	-	497475	
14.	Goat Shed	ICAR	2016	14.05	69760	
15.	Vermicompost unit	ICAR	2016	45	73640	
16.	Administrative building (Renovation)	ICAR	2017	-	300000	
17.	Farm Wall	ICAR	2017	-	282554	

B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km run	Present status
M&M, Bolero XL	2006	4,86,500	278701	Condition is not good
Tractor	2005	3,80,000	---	Condition is not good
Motor Cycle	2010	42,831	17805	Working condition
Power Tiller with implements	2011	1,42,000	---	Working condition
Mini Tractor with implements	2014	3,74,820	---	Working condition

C. Equipments& AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Digital camera	2008-09	11070	Working condition
Air assisted blast type sprayer	2008-09	98750	Working condition
Vacuum cleaner, RO, water cooler	2008-09	41780	Working condition
Samsung A/C, Nos.-2	2008-09	47300	Working condition
Fax machine	2008-09	17500	Working condition
LCD projector	2008-09	98799	Working condition
Winnowing fan	2008-09	8500	Working condition
Chaff cutter	2008-09	30188	Working condition
Plasma TV, Nos.-2 (21 and 52”)	2008-09	139952	Working condition
Cotton stock shredder-Nos.-3	2008-09	363000	Working condition
Spiral binding machine	2008-09	9090	Working condition
Rotavator with cultivator, Nos.-2	2008-09	180000	Working condition
Inverter	2008-09	19800	Working condition
Manually operated seed dressing drum	2008-09	20930	Working condition
Exhibition display	2008-09	39974	Working condition
Decorticator groundnut machine	2008-09	98850	Working condition
Cotton shredder, Nos.-2	2008-09	242000	Working condition
Battery operated sprayer	2008-09	4940	Working condition
Aspee knapsack sprayer	2008-09	7400	Working condition
Bullock drawn pipe farm seed drill	2008-09	161000	Working condition
Zero till drill	2008-09	66725	Working condition
Bullock drawn clod breaker	2008-09	52000	Working condition
Tractor operated groundnut digger	2008-09	235500	Working condition
Multipurpose thresher (engine operated)	2008-09	114000	Working condition
Mobile seed processing unit	2008-09	1685000	Working condition
Electronic balance	2008-09	19425	Working condition
Power generated	2008-09	49500	Working condition

RO system	2008-09	24450	Working condition
Air condition Nos.-2	2008-09	51580	Working condition
Air condition, Nos.-3	2008-09	89970	Working condition
Photo copier	2008-09	124000	Working condition
LCD and accessories	2008-09	103912	Working condition
Oven and freeze	2008-09	30605	Working condition
Tractor drawn harrow cum cultivator	2008-09	75000	Working condition
Planter	2008-09	44000	Working condition
Rotavator	2008-09	96000	Working condition
Laptop	2008-09	47500	Working condition
Pipe frame blade harrow piece	2008-09	11000	Working condition
Solar equipments	2008-09	81830	Working condition
Gas connection for lab.	2009-10	9700	Working condition
Digital Sony Camera	2009-10	24750	Working condition
Post Whole Digger	2009-10	38000	Working condition
Motor, 1 Hp	2009-10	8650	Working condition
Power Generator	2009-10	45576	Working condition
Multi Crop thresher	2010-11	38000	Working condition
BOD incubator	2010-11	75863	Working condition
Compound light microscope	2010-11	90851	Working condition
Motor 7.5 Hp	2010-11	28600	Working condition
Motor 5 Hp	2010-11	17000	Working condition
Desktop Computer	2010-11	34810	Working condition
Hot air Oven	2010-11	15215	Working condition
Hot plate	2010-11	4725	Working condition
Physical Balance	2010-11	3623	Working condition
Refrigerator	2010-11	19200	Working condition
PH meter	2010-11	3990	Working condition
Conductivity bridge	2010-11	9450	Working condition
Chemical Balance	2010-11	45066	Working condition
Shaker-2 no.	2010-11	49000	Working condition
Flame Photometer	2010-11	44887	Working condition
Spectrophotometer	2010-11	39480	Working condition
Water Distillation Still	2010-11	157500	Working condition
Seed Drill	2010-11	27500	Working condition
Winnower	2010-11	37000	Working condition
Disc Plow	2012-13	30400	Working condition
Disc Harrow	2012-13	37500	Working condition
Nine tine Cultivator	2012-13	19600	Working condition
PC with Accessories (2 No.)	2013-14	65970	Working condition
Printer (2 No.)	2013-14	13898	Working condition
Scanner	2013-14	4309	Working condition
PC with Accessories (2 No.)	2015-16	77590	Working condition
Printer	2015-16	11900	Working condition
Rotavator (NICRA)	2015-16	70000	Working condition
Mobile shredder(NICRA)	2015-16	146000	Working condition
Chaff cutter(NICRA)	2015-16	57000	Working condition
Multi crop thresher(NICRA)	2015-16	155000	Working condition

Rear mounted reaper (NICRA)	2015-16	95000	Working condition
Digital Camera	2016-17	14400	Working condition
Desktop Computer	2016-17	34115	Working condition
Printer	2016-17	12546	Working condition
Automatic seed cum fertilizer drill(NICRA)	2016-17	66412	Working condition
Dibbler (03 nos.)	2016-17	6000	Working condition
Seed dressing drum (5 nos.) (NICRA)	2016-17	15000	Working condition
Rotavator (NICRA)	2016-17	89040	Working condition
Bund former (NICRA)	2016-17	13650	Working condition
Air conditioner (02 nos.)	2016-17	79980	Working condition
Desktop Computer	2016-17	34115	Working condition
Photo copier	2016-17	144391	Working condition
Integrated community computer	2016-17	110644	Working condition
Multi crop thresher	2017-18	187040	Working condition
Computer with UPS	2017-18	42889	Working condition
Computer with UPS (2 Nos.)	2018-19	88400	Working condition
Printer	2018-19	11416	Working condition

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

S. No.	Date
1. Scientific Advisory Committee	11.02.2020

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1	Dry Farming
2	Rainfed : Cotton, Groundnut, Sesame, Black gram, Green gram, Mango, Onion
3	Agriculture – Horticulture (Mango)
4	Agriculture – Dairy
5	Agriculture – Fisheries
6	Cotton based cropping system
7	Groundnut based cropping system
8	Sesame based cropping system
9	Enterprise: Poultry, Fishery, Dairy, Sericulture, Vermicompost

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

a. Soil type

Agro-climatic Zone	Characteristics
North Saurashtra Agro climatic Zone VI	Medium black soil, coastal alluvial soil, rocky soil and alkaline soil
	The climate of the district varies from moderately hot throughout the year except in winter. The climate is humid along with the coastal belt. The temperature varies from 8.01° Celsius in January to 43.7° Celsius in May. The average rainfall of last three years is 706 mm.

b. Topography

S. No.	Agro ecological situation	Characteristics
1	Medium black soil with 400-700 mm rainfall	-
2	Shallow black soils with 600-700 mm rainfall	-
3	Saline - alkali (Heavy texture) soils with 500-600 mm rainfall	Saline groundwater
4	Hilly soils with 300-600 mm rainfall	Well drained soils
5	Coastal alluvial soil with medium rainfall 750-1000 mm.	Saline groundwater

2.3. Soil Types

S. No	Soil type	Characteristics
1	Medium black	Major portion of the district is covered by the medium black soil, which is considered very productive. It is rich in lime, magnesia and alumina but poor in phosphorus, nitrogen and organic matters. It can retain considerable moisture and is much suitable for agriculture.
2	Coastal alluvial	The coastal alluvial soil is found on the coastal areas of Jafrabad and Rajula. Among the whole of the coastal areas, the land is sandy. However, the soils in Rajula and Jafrabad are less productive as they are saline. The soils in the northern part of the district including Babra and parts of Kunkavav Vadia and Dhari talukas are shallow and rocky. Certain areas in Amreli taluka known as Kharapat are poor in cultivation; but this taluka possesses the best land along the north and the south banks of the Shetrunji.
3	Rocky soils	The soil of Dhari taluka is lighter and near the Gir forest redder. The soil on the southern part of the district is light in colour with only few fertile gradients, and in many places, it is rocky and barren.

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (MT)	Productivity (Qt/ha)
1	Green gram	2702	1372	5.07
2	Tur	742	912	12.28
3	Wheat	7311	22734	31.09
4	Gram	1736	2394	13.79
5	Groundnut	101505	219818	21.65
6	Sesamum	7390	3519	4.76
7	Castor	1283	2235	17.42
8	Irrigated Cotton (Lint)	253961	811755 (bales)	543.38 (lint)
9	UnIrrigated Cotton (Lint)	124796	248417 (bales)	338.40 (lint)
10	Cumin	1234	436	3.53
11	Onion	4328	128928	297.89
12	Garlic	1277	5261	41.19
13	Bajra	2706	6399	23.64
14	Udad	1720	1028	5.97
15	Math	130	62	4.76
16	Soyabean	357	275	7.69
17	Sugarcan	57	3928	689.12

Source: District wise Area, Production and Yield of Important Food & Non-food crops in Gujarat State Year: 2014-15 & 2015-16 https://dag.gujarat.gov.in/

2.5. Weather data (2019-20)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January	0.0	29.9	11.9	57.2	19.1
February	0.0	32.3	15.2	66.1	25.3
March	0.0	35.9	20	55.7	20.2
April	0.0	41.4	24.5	61.7	16.3
May	1.6	41.3	25.5	80.5	27.7
June	93.8	38.1	26.7	84	48.9
July	134.6	34.7	26.2	85.6	60.3
August	364.4	30.8	24.7	88.8	75.3
September	300.2	31.5	24.7	93.1	78.1
October	47.2	33.1	22.5	81.7	55.9
November	12.4	32.5	19.4	83.4	59.6
December	0.0	29.1	13.5	75	52.2
Total	**954.2**				

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

Category	Population	Production '000Tones	Productivity
Cattle			
Crossbred	3400	9.22	8.659 kg/day
Indigenous	121300	148.43	4.747 kg/day
Buffalo	146200	199.79	5.229 kg/day
Sheep	130800	168.74 MT	1.472 kg/sheep
Goats	163500	11.33	0.468 kg/day
Poultry			
Hens	00	00	00
Desi	8200	4.99 lakh	113.95/season/year/layer
Category		Production (Q.)	Productivity
Fish (Reservoir)	---	---	---

2.7. Details of Operational area / Villages

Name of village	Name of Taluka	Name of District	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Hathigadh	Liliya	Amreli	Cotton, Groundnut, Cumin, Wheat, Green gram, Black gram, Mango, Pigeon pea, Lemon	• Low yield of major crops • Wild animal problem • Poor quality of irrigation water • Poor fertility status of Land	INM, IPM, Conserve moisture Agriculture, Training on MIS, ICM, Introduction of new varieties, Scientific cropping
Jasvantgadh	Amreli	Amreli			
Randhiya	Amreli	Amreli			
Ingorala	Khambha	Amreli			
Devgam	Kukavav	Amreli			
Rikadiya	Amreli	Amreli			
Ghughrala	Babra	Amreli			
Ramgadh	Savakundla	Amreli			
Dhajadi	Savakundla	Amreli			
Jambarvada	Babra	Amreli			
Arjansukh	Kukavav	Amreli			
Rafala	Bagasra	Amreli			
Fuljar	Babara	Amreli			
Dangavadar	Dhari	Amreli			
Sekhpipariya	Lathi	Amreli			

2.8. Priority thrust areas:

Sr. No.	Crop/Enterprise	Thrust area
1.	Cotton, Groundnut, Castor, Cumin, Wheat, vegetables, fruits, etc.	Integrated Crop Management in major crops
2.	Farm waste	Recycling of farm waste through composting, Vermi-compost, green manuring, etc.
3.	Micro irrigation	Efficient use of water by micro irrigation system, water harvesting structure, and water conservation techniques
4.	Soil	Reclamation of saline & alkaline soils
5.	Farm Women	Farm women empowerment by training in value addition, handicrafts, and small scale enterprises
6.	Horticulture	Promotion of arid horticulture fruit crops
7.	Improved Implements	Popularization of the mechanized technological know how

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
9	30	257.75	680

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
69	1720	58	500

Seed Production (Qtl.)	Planting material (Nos.)	Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
-	1500	-	-

3.1. B. Operational areas details proposed during 2020

Sr. 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.	Groundnut, Cotton, Sesamum, Wheat, Cumin, Chickpea, Garlic, Onion, Mango, Lemon Enterprises are dairy business, Vermi composting,	Heavy infestation of sucking pest in cotton, Sesame leaf blight, Stem rot disease in Groundnut, Mango Malformation, Less area under Horticultural crops	Every village of this district is facing problem.	Hathigadh	• IPM and INM in major crops of this area, • Motivate the farmers for arid Horticultural crops. • To create the awareness for grading, processing and marketing (value addition) • Various OFT, FLD, trainings, extension activities were carried out.
2.				Jasvantgadh	
3.				Randhiya	
4.				Ingorala	
5.				Devgam	
6.				Rikadiya	
7.				Ghughrala	
8.				Ramgadh	
9.				Dhajdi	
10.				Jambarvada	
11.				Arjansukh	
12.				Rafala	
13.				Fuljar	
14.				Dangavadar	
15.				Sekhpipariya	

3.2.Technologies to be assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Other	TOTAL
Varietal Evaluation									1		1
Seed / Plant production											0
Weed Management											0
Integrated Crop Management				1							1
Integrated Nutrient Management	1								1		2
Integrated Farming System											0

Mushroom cultivation											0
Drudgery reduction										1	1
Farm machineries											0
Value addition											0
Integrated Pest Management		2									2
Integrated Disease Management											0
Resource conservation technology			1			1					2
Small Scale income generating enterprises											0
TOTAL	**1**	**2**	**1**	**1**	**0**	**1**	**0**	**0**	**2**	**1**	**9**

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

B. Details of On Farm Trial / Technology Assessment during 2020

S.N.	Crop/ enterprise	Prioritized problem	Title of intervention	Technology options	Source of Tech.	Name of critical input	Cost per trial	No. of trials	Total cost for the intervention(Rs.)	Parameters to be studied	Team members
1	Wheat	Farmers do not use Zinc	Effect of zinc on growth and yield of wheat	1. Use only DAP and Urea in various dose (Farmers Practices) 2.120-60-60 NPK kg/ha (Recommended Practices) 3.120-60-60 NPK kg/ha+ZnSO4 @ 20 kg/ha as basal dose and foliar spray of ZnSO4 @ 0.5% at heading and milking stage	Main Dry Farming Research Station, JAU, Targhadia	Micro nutrient	800	3	3200	Yield	Senior Scientist and all discipline Scientists
2	Cotton	Farmers do not adopt closer planting, there for get low cotton yield due to less soil moisture and incidence of pest and disease	High Density Planting in Cotton	1.120 X 45-60 cm (18519-13888 plants/ha) (Farmers Practices) 2.90 X 30 cm (37037 plants/ha) (Var. GTHH-49 (bt)) (Recommended Practices) 3. T2 + De-topping at 75 DAS (Var. GTHH-49 (bt))	Cotton Research station, JAU, Junagadh	Cotton Seed (bt)	1600	3	4800	Yield	Senior Scientist and all discipline Scientists

3	Sesame	Injudicious use of pesticides	Management of leaf Webber in Sesame	1.High dose and Use of conventional Chemical pesticides (Farmers Practices) 2. Two sprays of lamda cyhalothrin 5 EC 0.005% (10 ml/10 lit. water) or emamectin benzoate 5 SG 0.0035% (7g/10 lit. water) and 2nd spray at 15 days after 1st spray)	ARS, Amreli	Bio-Pesticides & Pesticides	1500	3	4500	Yield	Senior Scientist and all discipline Scientists
4	Ground nut	No seed treatment & Soil application of bio pesticides	Management of white grub in Groundnut	1. No seed treatment & Soil application of bio pesticides 2. Seed treatment with Chlorpyrifos 20 EC @ 25 ml/kg seed and Soil application of Metarhizium anisopliae 1.15 WP @ 5 kg/ha along with Castor cake (300 kg/ha) before sowing and drenching in plant row after 30 days of germination	Dept. of Entomology, COA, JAU, Junagadh	Bio-Pesticides & Pesticides	2000	3	6000	Yield	Senior Scientist and all discipline Scientists

5	Chickpea	Farmers irrigate chickpea with traditional method which gives low yield and increase water loss.	Irrigation management in chickpea	1. Border irrigation 2. Drip irrigation with 0.8 ETc at 5 days interval	Pulses Research Station, JAU, Junagadh	Chickpea seeds	1000	5	5000	Yield	Senior Scientist and all discipline Scientists
6	Watermelon	Low yield potential of watermelon	Effect of plastic mulch on yield of watermelon	1. No mulch (Farmers Practices) 2. Silver Black Plastic Mulch (20 micron) under drip irrigation system (recommended Practices) 3. Wheat straw mulch	JAU, Junagadh	20 µm silver black plastic mulch	1500	3	4500	Yield	Senior Scientist and all discipline Scientists
7	Onion	Low productivity of non-descriptive local onion varieties	Assessment of onion varieties	1. Farmer practices-local (pillipati) 2. Gujarat White Onion-1 (Recommended Practices) 3. Gujarat Junagadh White Onion- 3 (Intervention)	JAU, Junagadh	Varieties	2000	3	6000	Yield	Senior Scientist and all discipline Scientists

8	Garlic	Farmers not using the micronutrients	Effect of multi micronutrients formulation on garlic	1. Farmer practices- 120 DAP, 40 kg P Kg/ha	JAU, Junagadh	Nutrient	2500	3	7500	Yield	Senior Scientist and all discipline Scientists
				2. Apply foliar spray of multi-micronutrient formulation Grade IV (Fe-Mn-Zn-Cu-B, 4.0-1.0- 6.0-0.5-0.5 %) @ 1% at 60, 75 and 90 DAS (recommended Practices)							
				3. Apply foliar spray of multi-micronutrient formulation Grade IV (Fe-Mn-Zn-Cu-B, 4.0-1.0- 6.0-0.5-0.5 %) @ 2 % at 60, 75 and 90 DAS (Intervention)							
9	Farm women	Physiological and muscular stresses in farmwoman during milking.	Drudgery reduction technology for farm women	1. No use of stool while milking	MPUAT, Udaipur	Drudgery reduction	1200	5	6000	Level of drudgery, Physical stress, Work output and Field acceptability, farm women's reflection	Senior Scientist and all discipline Scientists
				2. Use of Revolving milking stool							

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	Castor	GCH-7/9	Varietal Evaluation	Variety	Seed	Kharif 2020-2021	4	10	Yield
2	Cotton	INM	INM	INM	Nutrient		4	10	Yield
3	Cumin	IDM	IDM	IDM	Bio-agent/Fungicide	Rabi 2020-2021	4	10	Yield
4	Wheat	INM	INM	INM	Nutrient		4	10	Yield
5	Coriander	GC-1/2	Varietal Evaluation	Variety	Seed		4	10	Yield
6	Sesame	GT-3/ GJT-5	Varietal Evaluation	Variety	Seed	Summer 2021	4	10	Yield
7	Black gram	Guj. Urd-1	Varietal Evaluation	Variety	Seed		4	10	Yield
8	Green gram	GM-4/ GAM-5	Varietal Evaluation	Variety	Seed		4	10	Yield
					Total		**32**	**80**	

Sponsored Demonstration

Crop	Area (ha)	No. of farmers
-	-	-

B. Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	12	During particulars Season	120
2	Farmers Training	16		350
3	Media coverage	-		-
4	Training for extension functionaries	7		200

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 shredder	Cotton	2020-21	10	4	Cotton shredder	Field capacity

b. Livestock Enterprises: NIL

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								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Fertilizers recommendation based on soil analysis	1	30	05	35	2	3	5	40
Scientific cultivation of kharif crops	2	57	8	65	26	4	30	95
Scientific cultivation of Summer crops	1	19	8	27	4	4	8	35
Scientific cultivation of Rabi crops	1	25	15	40	5	5	10	50
Use and Importance of Bio fertilizers	1	19	8	27	4	4	8	35
Cow based organic fertilizers preparation	1	19	8	27	4	4	8	35
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	1	19	8	27	4	4	8	35
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								

Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	1	30	05	35	2	3	5	40
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	1	19	8	27	4	4	8	35
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	1	30	05	35	2	3	5	40
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology	1	19	8	27	4	4	8	35
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								
Poultry Management								
Piggery Management								

Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	00	35	35	00	8	8	42
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	2	0	56	56	0	14	14	70
Income generation activities for empowerment of rural Women	1	0	28	28	0	7	7	35
Location specific drudgery reduction technologies	2	00	70	70	00	10	10	80
Rural Crafts	1	00	35	35	00	5	5	40
Women and child care								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	19	8	27	4	4	8	35
Use of Plastics in farming practices	1	20	15	35	5	3	8	42
Rainwater harvesting	1	19	8	27	4	4	8	35
Repair and maintenance of farm machinery and implements	1	19	8	27	4	4	8	35
Small scale processing and value addition	1	20	18	38	6	4	10	48
Post Harvest Technology	1	25	15	40	5	5	10	50
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Integrated approach for management to control of fall army worm in maize	1	30	8	38	5	5	10	48
Importance of organic pesticides	2	38	16	54	8	8	16	70
Integrated Disease Management of *rabi* crops	1	20	15	35	5	3	8	42
Botanical pescticides	2	38	16	54	8	8	16	70

Integrated management of fall army warm in maize	1	23	0	23	22	0	22	45
Role of Trichoderma, Beauveria, bossiana and metarhium anisoplie and its uses	1	33	0	33	22	0	22	55
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	1	30	8	38	5	5	10	48
WTO and IPR issues								
Awareness regarding organic farming	1	30	8	38	5	5	10	48
Upgrade the knowledge of farmers about ICT	1	19	8	27	4	4	8	35
Upgrade the knowledge about new varieties of *rabi* crops and its cultivation practices	1	19	8	27	4	4	8	35
Use of mass media	1	18	0	18	17	0	17	35

Organic farming	1	18	0	18	17	0	17	35
Entrepreneurship development	1	18	0	18	17	0	17	35
Use of soil health card	1	18	0	18	17	0	17	35
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL	**36**	**703**	**382**	**1085**	**233**	**128**	**361**	**1443**
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture	1	14	6	20	3	2	05	25
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								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
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								
Rainwater harvesting	1	19	8	27	6	2	8	35
Procedure for organic farming certification	1	14	6	20	3	2	05	25
Plant Protection Appliances/ Equipments	1	19	8	27	6	2	8	35
TOTAL	**4**	**66**	**28**	**94**	**18**	**8**	**26**	**120**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
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								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Communication skill and use of ICT equipment	1	19	8	27	4	4	8	35
TOTAL	**1**	**19**	**8**	**27**	**4**	**4**	**8**	**35**
G. Total	**41**	**788**	**418**	**1206**	**255**	**140**	**395**	**1598**

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								

Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Nutrient management in *Kharif* crops	1	25	15	40	5	5	10	50
Preparation procedure of liquid organic fertilizer	1	19	8	27	4	4	8	35
Organic farming certification procedure	1	19	8	27	4	4	8	35
Package of practices of rabi crops	1	30	05	35	2	3	5	40
INM in summer crops	1	30	05	35	2	3	5	40
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	2	25	10	35	5	0	5	40
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	2	20	15	35	3	3	6	41
Cultivation of Fruit								
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	1	25	10	35	5	0	5	40
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management /goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1	00	35	35	00	8	8	42

Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing	1	0	28	28	0	7	7	35
Gender mainstreaming through SHGs	1	00	40	40	0	10	10	50
Storage loss minimization techniques								
Value addition	1	00	35	35	00	6	6	41
Income generation activities for empowerment of rural Women	1	00	40	40		10	10	50
Location specific drudgery reduction technologies	1	00	38	38	00	10	10	48
Rural Crafts								
Women and child care	2	00	35	35	00	5	5	40
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	1	20	15	35	5	3	8	42
Use of Plastics in farming practices	1	10	8	18	9	8	17	35
Production of small tools and implements	1	19	8	27	4	4	8	35
Repair and maintenance of farm machinery and implements	1	20	18	38	6	4	10	48
Small scale processing and value addition	1	20	18	38	6	4	10	48
Post Harvest Technology	1	25	15	40	5	5	10	50
Rain water harvesting	2	20	15	35	5	3	8	42
VII Plant Protection								
Integrated Pest Management								
Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Advance techniques of pest management	2	30	8	38	5	5	10	48
Method demonstration of organic product	2	19	8	27	4	4	8	35
Bio -Pesticides	2	20	15	35	5	3	8	42
Sucking pest manageme–t in Rabi crops	2	19	8	27	4	4	8	35
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)	2	30	8	38	5	5	10	48
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)	2	23	10	33	6	6	12	45
WTO and IPR issues								
Women development though micro saving	2	20	15	35	5	3	8	42
Upgrade knowledge on seed treatment	2	19	8	27	4	4	8	35

XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)								
XII Others (Pl. Specify)								
TOTAL	**42**	**507**	**504**	**1011**	**108**	**143**	**251**	**1257**

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								
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming								
Water management								
Seed production								
Nursery management								
Integrated Crop Management								
Fodder production								
Production of organic inputs								
Fertilizers recommendation based on soil analysis	1	30	05	35	2	3	5	40
Scientific cultivation of kharif crops	2	57	8	65	26	4	30	95
Scientific cultivation of Summer crops	1	19	8	27	4	4	8	35
Scientific cultivation of Rabi crops	1	25	15	40	5	5	10	50
Use and Importance of Bio fertilizers	1	19	8	27	4	4	8	35
Cow based organic fertilizers preparation	1	19	8	27	4	4	8	35
Nutrient management in *Kharif* crops	1	25	15	40	5	5	10	50
Preparation procedure of liquid organic fertilizer	1	19	8	27	4	4	8	35
Organic farming certification procedure	1	19	8	27	4	4	8	35
Package of practices of rabi crops	1	30	05	35	2	3	5	40
INM in summer crops	1	30	05	35	2	3	5	40
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								

Off-season vegetables								
Nursery raising	2	44	18	62	9	4	13	75
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	1	20	15	35	3	3	6	41
Cultivation of Fruit	1	30	05	35	2	3	5	40
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	1	19	8	27	4	4	8	35
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	1	30	05	35	2	3	5	40
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology	1	19	8	27	4	4	8	35
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	1	25	10	35	5	0	5	40
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	2	00	70	70	00	16	16	86
Design and development of low/minimum cost diet								
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing	1	0	28	28	0	7	7	35
Gender mainstreaming through SHGs	1	0	40	40	0	10	10	50
Storage loss minimization techniques								
Value addition	2	0	63	63	0	13	13	76
Income generation activities for empowerment of rural Women	2	0	68	68	0	17	17	85
Location specific drudgery reduction technologies	2	0	73	73	0	15	15	88
Rural Crafts	1	0	35	35	0	5	5	40
Women and child care	1	0	35	35	0	5	5	40
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	2	39	23	62	8	7	15	77
Use of Plastics in farming practices	2	30	23	53	14	11	25	77
Production of small tools and implements	1	19	8	27	4	4	8	35
Repair and maintenance of farm machinery and implements	2	39	26	65	10	8	18	83
Small scale processing and value addition	2	40	36	76	12	8	20	96
Post Harvest Technology	2	50	30	80	10	10	20	100
Rain water harvesting	1	20	15	35	5	3	8	42
VII Plant Protection								
Integrated Pest Management								

Integrated Disease Management								
Bio-control of pests and diseases								
Production of bio control agents and bio pesticides								
Integrated approach for management to control of fall army worm in maize	1	30	8	38	5	5	10	48
Importance of organic pesticides	1	19	8	27	4	4	8	35
Integrated Disease Management of *rabi* crops	1	20	15	35	5	3	8	42
Botanical pescticides	1	19	8	27	4	4	8	35
Advance techniques of pest management	1	30	8	38	5	5	10	48
Method demonstration of organic product	1	19	8	27	4	4	8	35
Bio -Pesticides	1	20	15	35	5	3	8	42
Sucking pest manageme–t in Rabi crops	1	19	8	27	4	4	8	35
Integrated management of fall army warm in maize	1	23	0	23	22	0	22	45
Role of Trichoderma, Beauveria, bossiana and metarhium anisoplie and its uses	1	33	0	33	22	0	22	55
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	1	30	8	38	5	5	10	48
Mobilization of social capital								
Entrepreneurial development of farmers/youths	2	53	18	71	11	11	22	93
WTO and IPR issues								
Women development though micro saving	1	20	15	35	5	3	8	42
Upgrade knowledge on seed treatment	1	19	8	27	4	4	8	35
Awareness regarding organic farming	1	30	8	38	5	5	10	48
Upgrade the knowledge of farmers about ICT	1	19	8	27	4	4	8	35
Upgrade the knowledge about new varieties of *rabi* crops and its cultivation practices	1	19	8	27	4	4	8	35
Use of mass media	1	18	0	18	17	0	17	35
Organic farming	1	18	0	18	17	0	17	35
Entrepreneurship development	1	18	0	18	17	0	17	35
Use of soil health card	1	18	0	18	17	0	17	35
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
Sponsored training								
TOTAL	**66**	**1210**	**886**	**2096**	**340**	**271**	**611**	**2702**
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture	1	14	6	20	3	2	5	25
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								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
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								
Rainwater harvesting	1	19	8	27	6	2	8	35
Procedure for organic farming certification	1	14	6	20	3	2	05	25
Plant Protection Appliances/ Equipments	1	19	8	27	6	2	8	35
TOTAL	**4**	**66**	**28**	**94**	**18**	**8**	**26**	**120**
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
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								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Communication skill and use of ICT equipment	1	19	8	27	4	4	8	35
Total	**1**	**19**	**8**	**27**	**4**	**4**	**8**	**35**
G. TOTAL	**71**	**1295**	**922**	**2217**	**362**	**283**	**645**	**2857**

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	12	240	40	280	10	0	10	250	40	290
Kisan Mela	2	600	150	750	25	5	30	625	155	780
Kisan Ghosthi	3	75	0	75	0	0	0	75	0	75
Exhibition	2	350	50	400	5	0	5	355	50	405
Film Show	1	100	0	100	0	0	0	100	0	100
Farmers Seminar	2	200	80	280	2	0	2	202	80	282
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	2	80	0	80	0	0	0	80	0	80
Lectures delivered as resource persons	20	750	250	1000	5	0	5	755	250	1005
Newspaper coverage	10	0	0	0	0	0	0	0	0	0
Radio talks	2	0	0	0	0	0	0	0	0	0
TV talks	1	0	0	0	0	0	0	0	0	0
Popular articles	10	0	0	0	0	0	0	0	0	0
Extension Literature	15	0	0	0	0	0	0	0	0	0
Advisory Services	20	250	20	270	5	0	5	255	20	275
Scientific visit to farmers field	40	400	40	440	0	0	0	400	40	440
Farmers visit to KVK	50	2500	500	3000	50	10	60	2550	510	3060
Diagnostic visits	10	200	0	200	5	0	5	205	0	205

Exposure visits	2	100	0	100	0	0	0	100	0	100
Ex-trainees Sammelan	2	100	50	150	0	0	0	100	50	150
Soil health Camp	1	200	30	230	2	0	2	202	30	232
Animal Health Camp	1	100	50	150	1	0	1	101	50	151
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	3	150	30	180	0	0	0	150	30	180
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	4	400	250	650	5	0	5	405	250	655
Krishi Mohostva	2	2500	500	3000	20	5	25	2520	505	3025
Krishi Rath	0	0	0	0	0	0	0	0	0	0
Pre Kharif workshop	1	200	50	250	2	0	2	202	50	252
Pre Rabi workshop	1	200	50	250	2	0	2	202	50	252
PPVFRA workshop	1	200	0	200	25	0	25	225	0	225
Any Other (Specify)	0	0	0	0	0	0	0	0	0	0
Total	**220**	**9895**	**2140**	**12035**	**164**	**20**	**184**	**10059**	**2160**	**12219**

3.6. Target for Production and supply of Technological products

SEED MATERIALS

Sl. No.	Crop	Variety	Quantity (q.)
CEREALS	Wheat	GW-463	40 (1 ha)
OILSEEDS	Groundnut	GJG-22	134 (12 ha)
PULSES	Gram	GG-5	12.0 (0.5 ha)
VEGETABLES	-	-	
OTHERS (Specify)	-	-	

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS	-	-	-
SPICES	-	-	-
VEGETABLES	Brinjal	GJB-3	3000
	Tomato	GT-1/3	3000
	Vegetable packets	-	200
		Total	**6200**

BIO-PRODUCTS

Sl. No.	Product Name	Species/description	Quantity	
			No	(kg)
BIO PESTICIDES				
1	Savaj Beauveria	*Beauveria bassiana*	1500	10000
2	Trichoderma	*Trichoderma harzianum*	500	5000
3	PSB culture		50	50
4	MDP tube	Mating Disruption Paste	50	50
5	Lure		4000	-
6	Pheromone Trap		2000	-
7	Rhizobium		50	50
8	Azotobacter		50	50
9	Metarhizium	*Metarhizium anisopliae*	200	1000

LIVESTOCK: NIL

4. Literature to be Developed/Published

A. KVK News Letter

Date of start : Quarterly

Number of copies to be published : Published by university

B. Literature developed/published

S.No.	Topic	Number
1	Research paper each scientist	4
2	Technical reports	15
3	News letters	4
4	Training manual all discipline	0
5	Popular article	10
6	Extension literature	15
	Total	**48**

C. Details of Electronic Media to be produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette) and video clippings	Title of the programme	Number
1.	Video clipping	Impact of *Beauveria bassiana*	1
2.	Video clipping	Drip irrigation in gram	1
3.	Video clipping	Soil Analysis	1
4.	Video clipping	Custom hiring center	1
5.	Video clipping	Natural Recourse Management	1
6.	Video clipping	Organic farming	1

D.Success stories/Case studies identified for development as a case. -

Success story 1

Title	:	**Jaggery Production from sugarcane**
Background	:	Name: **Shri Jayantibhai Parshotambhai Chandgadhiya** Address: Village: Karjala, Taluka: Savarkundla, District: Amreli (Gujrat) Age :60 years Education : 3 pass Landholding : 1.92 ha Farming Experience : 20 Years Crops Grown : Sugarcane
Interventions	:	Jayantibhai is a progressive farmer of 37iggery village of Amreli district. From last 5 year, he started sowing sugarcane and from their sugarcane he started Jaggery Production unit and selling their jiggery to different customers in 37igger, surat and ahmedabad .
Impact		
Horizontal Spread	:	-
Economic gains	:	He gain sugarcane production 100 tonne/ha and cost of cultivation was Rs. 2.2 lakh per hectare and net income is Rs. 1.8 lakh per hectare . After starting 37iggery production he produce 28.50 Tonne 37iggery (11.87 tonne/ha) and selling 1100/20kg (Man) and after reducing all cost including 37iggery production he earned net return Rs 7.80 lakh (3.0 lakh/ha) from 15 vigha.
Employment Generation	:	Give employment to 7-8 person in 37iggery production unit.

	
KVK, JAU, Amreli Scientist at farmer's field	**End product**

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

A. Practicing Farmers

a) Interview schedule

b) Farmer group discussion

c) Observation

B. Rural Youth

a) Interview schedule

b) Focus group

c**)** Difficulty analysis

C. In-service personnel

a) Interview schedule

b) Performance analysis

c) Observation

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) – 2020

Sr. No.	Name of village	Name of Taluka
1	Hathigadh	Liliya
2	Jasvantgadh	Amreli
3	Randhiya	Amreli
4	Ingorala	Khambha
5	Devgam	Kukavav
6	Rikadiya	Amreli
7	Ghughrala	Babra
8	Ramgadh	Savakundla
9	Dhajda	Savakundla
10	Jambarvada	Babra
11	Arjansukh	Kukavav
12	Rafala	Bagasra
13	Fuljar	Babara
14	Dangavadar	Dhari
15	Sekhpipariya	Lathi

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
1.	Dy. Director of Agriculture.	Farmers Training, Diagnostic services
2.	Dy. Director of Agril. Extension (FTC)	Resource person in Lectures
3.	Dy. Director of Horticulture	Resource person in Lectures
4.	Dy. Director of Animal Husbandry	Sponsored training
5.	Dy. Director of Soil Conservation	Resource person in Lectures

6.	Dy. Director of Social Forestry	Resource person in Lectures
7.	Amreli Jilla Madhya sahakari bank	Resource person in Lectures
8.	Milk Co-Operative Society	Resource person in Lectures
9.	State Bank of India	Resource person in Lectures
10.	National Bank for Agriculture & Rural Development (NABARD)	Resource person in Lectures
11.	NHRDF	Sponsored Training, Resource person in Lectures
12.	Doordarshan Kendra	Media coverage
13.	All India Radio	Radio talk
14.	District Rural Development Agency	Sponsored Training, Resource person in Lectures
15.	ATMA	Sponsored Training, Resource person in Lectures, meeting
16.	Mahindra & Mahindra Co. Ltd.	Sponsored Training, Resource person in Lectures

6.2. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage
1	All the extension activities of district, Amreli	Sponsored Training, Demonstration , Resource person in Lectures, meeting

6.3. E-linkage during 2020

S. No	Nature of activities	Likely period of completion (please set the time frame)	Remarks if any
20.1	Title of the technology module to be prepared	NIL	
20.2	Creation and maintenance of relevant database system for KVK		
20.3	Any other (Please specify)		

6.4. Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1	Farmers training	As a resource person

6.5. Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1	Farmers training	As a resource person

6.6. Additional Activities Planned including sponsored projects (ProCRA / Pro SOIL/NARI/DAESI/DAMU/DFI, etc.) / schemes during 2020, if involved.

S.N	Name of the agency / scheme	Name of activity	Technical programme with quantification				Financial outlay (Rs.)	Names of the team members involved
			Name of crop	Variety	Area (ha)	No. of FLD		
1	Agricultural Technology Information Centre (ATIC)	FLD, Trainings	Cotton	G.COT Bt II-10,/ GTHH-49	8	20	9,00000	Senior Scientist and all discipline Scientists
			Groundnut	GJG-22/32	5	20		
			Seasame	GT-4, GT-3	4	10		
			Cotton	IPM	20	50		
			Groundnut	IPM	20	50		
			Wheat	GJW-463/GW-496	6.25	25		
			Gram	GJG-3/GG-5	6.25	25		
			Gram	IDPM	6.25	25		
				Total	**75.75**	**225**		
2	National Initiative on Climate Resilient Agriculture (NICRA)	FLD, Trainings, Exposure visits	Green gram	GAM-5/ GM-4	02	05	403000	Senior Scientist and all discipline Scientists
			Groundnut	GJG-22/32	04	10		
			Seasame	GT-4	08	20		
			Castor	GCH-9	04	10		
			Soyabean	JS 335 or Co3	02	05		
			Wheat	GW-173/499/463/366	04	10		
			Gram	GJG-3	04	10		
			Sugarcane	CoN-5071/ 5072	02	05		
			Sorghum	GFS-5/6	04	10		
			Lucern	Anand-2/3	04	10		
			Bajra	GFB–1	04	10		
				Total	**42**	**105**		
3	Cluster base FLD of Rabi Pulses under NFSM	FLD, Trainings, Field day	Green Gram	GM-4	20	50	283610	Senior Scientist and all discipline Scientists
			Pigeon pea	GJP-1	20	50		
			Gram	GJG-3	20	50		
				Total	**60**	**150**		
4	National Mission on Oilseeds and Oil Palm (NMOOP)	FLD, Trainings, Field day	Groundnut	GJG-22/32	20	50	370000	
			Sesame	GT-4/GT-3	20	50		
				Total	**40**	**100**		

7.0 Convergence with other agencies and departments:

Trainings along with ATMA and other line departments

8. Innovator Farmer's Meet 2020

Sl.No.	Particulars	Details
1	Are you planning for conducing Farm Innovators meet in your district?	Yes/ No
2	If Yes likely month of the meet	Nil
3	Brief action plan in this regard	

9. Farmers Field School (FFS) planned 2020: Nil

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

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

Feedback by Scientist-

1. Horticulture –

GJO-1 variety of okra had higher production variety than local variety but during maturing the colour is become light green so its affect on marketability. GW0-1 variety of onion is best for dehydration and higher yielding variety than local (pillipati).

2. Plant protection-

Feedback of OFT in cotton was found that the problem of sucking pest in cotton is forum lower in recommended practices than farmer practice due to farmers are using injudicious pesticides and higher doses of pesticides on cotton crop. It leads to increase cost of cultivation and develop resistance in sucking pests.

3- Agronomy-

1. In OFT of cotton crop application of 240-50-150 NPK $kgha^{-1}$ + 50 $ZnSO_4$ and nitrogen 240 $kgha^{-1}$ in four equal split basal, 30, 60, 90 DAS with three spraying of KNO_3 at 15 days interval and 25 $MgSO_4$ kg ha^{-1} + 500 $Kgha^{-1}$ castor cake produced high yield of cotton and superior quality of cotton because all essential nutrients provided to crops.
2. Farmers use more seed rate in wheat (180 $kgha^{-1}$), but as per recommendation (120 $kgha^{-1}$) wheat crop resulted good quality of produced seeds and low cost of seed rate as compare to use of high seed rate in wheat.
3. Application of bio-fertilizers Azotobacter & PSB @ 1 lit./ha with 100 kg FYM+75% RDF in wheat produced high yield and reduced cost of cultivation.
4. In cotton crops closer spacing (90 X 30 cm) provided high yield reduced incidence of pest and diseases as compare to wide spacing (120 X 45-60 cm).

4- Agriculture Engineering-

Number of bolls per plant (106 Ridge and 96 furrows) and flowers was higher in ridges and furrow method of sowing in cotton. Number of irrigation is decreased is also decreased due to soil moisture conserve.

11. Utilization of hostel facilities

S. No.	Programme	No. of days
1	Sponsored Training	45
2	Exposure visit to KVK	15
3	Scientist	25
	Total	**85**

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										
11.05.2020	PF	Fertilizers recommendation based on soil analysis	1	30	05	35	2	3	5	40
26.06.2020	PF	Scientific cultivation of kharif crops	1	19	8	27	4	4	8	35
22.07.2020	PF	Cow based organic fertilizers preparation	1	19	8	27	4	4	8	35
11.08.2020	PF	Scientific cultivation of Rabi crops	1	25	15	40	5	5	10	50
08.09.2020	PF	Use and Importance of Bio fertilizers	1	19	8	27	4	4	8	35
19.01.2020	PF	Scientific cultivation of Summer crops	1	19	8	27	4	4	8	35
26.01.2020	RY	Procedure for organic farming certification	1	13	0	13	12	0	12	25
Horticulture										
15.05.20	PF	Nursery raising	1	19	8	27	4	4	8	35
01.08.20	PF	Cultivation of Fruit	1	30	05	35	2	3	5	40
19.10.20	PF	Nursery Management	1	19	8	27	4	4	8	35
17.01.20	PF	Post harvest technology and value addition	1	19	8	27	4	4	8	35
23.01.20	PF	Production and Management technology	1	30	05	35	2	3	5	40
Agricultural Engineering										
15.03.20	FW-PF	Installation and maintenance of micro irrigation systems	1	19	8	27	4	4	8	35
10.07.20	FW-PF	Repair and maintenance of farm machinery and implements	1	19	8	27	4	4	8	35
25.10.20	FW-PF	Post Harvest Technology	1	25	15	40	5	5	10	50
01.12.20	FW-PF	Use of Plastics in farming practices	1	20	15	35	5	3	8	42
05.04.20	FW-PF	Small scale processing and value addition	1	20	18	38	6	4	10	48
01.06.20 10.06.20	RY FW-PF	Rainwater harvesting	2	38	16	54	8	8	16	70
Home Science										
30.05.20	FW	Household food security by kitchen gardening and nutrition gardening	1	00	35	35	00	8	8	42
10.07.20	FW	Value addition	2	00	56	56	00	14	14	70

10.08.20										
18.09.20	FW	Income generation activities for empowerment of rural Women	1	00	28	28	00	7	7	35
17.10.20 15.12.20	FW	Location specific drudgery reduction technologies	2	00	70	70	00	10	10	80
13.11.20	FW	Rural Crafts	1	00	35	35	00	5	5	40
Plan Protection										
01.05.20	PF	Integrated approach for management to control of fall army worm in maize	1	30	8	38	5	5	10	48
15.07.20 18.08.20	PF	Importance of organic pesticides	2	38	16	54	8	8	16	70
15.11.20	PF	Integrated Disease Management of *rabi* crops	1	20	15	35	5	3	8	42
30.01.20 05.04.20	PF	Botanical pesticides	2	38	16	54	8	8	16	70
10.10.20	RY	Plant Protection Appliances/ Equipments	1	19	8	27	4	4	8	35
Extension Education										
30.04.20 15.08.20	PF	Awareness regarding organic farming	2	60	16	76	10	10	20	96
01.07.20	PF	Upgrade the knowledge of farmers about ICT	1	19	8	27	4	4	8	35
01.11.20	PF	Upgrade the knowledge about new varieties of *rabi* crops and its cultivation practices	1	19	8	27	4	4	8	35
15.02.20 15.05.20	PF	Entrepreneurship development	2	60	16	76	10	10	20	96
06.08.20	RY	Vermi composting	1	14	6	20	3	2	5	25

i) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
13.05.20	PF	Nutrient management in Kharif crops	1	25	15	40	5	5	10	50
29.06.20	PF	Preparation procedure of liquid organic fertilizer	1	19	8	27	4	4	8	35
23.07.20	PF	Organic farming certification procedure	1	19	8	27	4	4	8	35
14.08.20	PF	Package of practices of rabi crops	1	30	5	35	2	3	5	40
19.01.20	PF	INM in summer crops	1	30	5	35	2	3	5	40
Horticulture										
10.06.20	PF	Nursery raising	1	25	10	35	5	0	5	40
20.09.20	PF	Layout and Management of	1	20	15	35	3	3	6	41

		Orchards								
19.10.20	PF	Nursery Management	1	19	8	27	4	4	8	35
17.01.20	PF	Post harvest technology and value addition	1	19	8	27	4	4	8	35
23.01.20	PF	Production and Management technology	1	30	05	35	2	3	5	40
Agril. Engg.										
14.06.20	FW-PF	Installation and maintenance of micro irrigation systems	1	20	15	35	5	3	8	42
15.05.20	FW-PF	Rain water harvesting	1	20	15	35	5	3	8	42
20.11.20	FW-PF	Repair and maintenance of farm machinery and implements	1	20	18	38	6	4	10	48
20.10.20	FW-PF	Production of small tools and implements	1	19	8	27	4	4	8	35
12.04.20	FW-PF	Small scale processing and value addition	1	20	18	38	6	4	10	48
01.08.20	FW-PF	Use of Plastics in farming practices	1	10	8	18	9	8	17	35
15.03.20	FW-PF	Post Harvest Technology	1	25	15	40	5	5	10	50
Home Science										
01.06.20	FW	Household food security by kitchen gardening and nutrition gardening	1	00	35	35	00	8	8	42
05.08.20	FW	Minimization of nutrient loss in processing	1	00	28	28	00	7	7	35
10.9.20	FW	Gender mainstreaming through SHGs	1	00	40	40	00	10	10	50
20.10.20	FW	Location specific drudgery reduction technologies	1	00	38	38	00	10	10	48
15.11.20	FW	Value addition	1	00	35	35	00	6	6	41
20.05.20	FW	Women and child care	1	00	35	35	00	5	5	40
20.04.20	FW	Income generation activities for empowerment of rural Women	1	00	40	40	00	10	10	50
Plant Protection										
25.06.20	PF	Advance techniques of pest management	2	60	16	76	10	10	20	96
15.07.20	PF	Method demonstration of organic product	2	38	16	54	8	8	16	70
01.08.20	PF	Bio –Pesticides	2	40	30	70	10	6	16	84
15.12.20	PF	Sucking pest management in Rabi crops	2	38	16	54	8	8	16	70
Soil health										
18.07.20	PF	Soil and water analysis	1	25	10	35	5	0	5	40
Extension Education										
01.05.20	PF	Upgrade knowledge on seed treatment	2	38	16	54	8	8	16	70

30.06.20	PF	Women development though micro saving	2	40	30	70	10	6	16	84
01.12.20	PF	Self Help Group	2	60	16	76	10	10	20	96
24.02.20	PF	Entrepreneurship Development	2	46	20	66	12	12	24	90

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	
Crop	Mushroom cultivation	Mushroom cultivation	Oct-Jan	1	18	0	18	17	0	17	35
Enterprise	-	Computer training	Feb-March	4	0	18	18	0	17	17	35

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										
20.06.20	Ext. workers	Communication skill and use of ICT equipment	1	18	0	18	17	0	17	35
15.08.20	Ext. workers	Post Harvest Technology	1	19	0	19	16	0	16	35
10.09.20	Ext. workers	Organic Farming	1	18	0	18	17	0	17	35
20.05.20	Ext. workers	Rainwater Harvesting Techniques	1	19	0	19	16	0	16	35
20.07.20	Ext. workers	Pink boll worm management	1	19	0	19	16	0	16	35

iv) Sponsored programmes

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	
a) Sponsored training programme											
Horticulture	ATMA	PF	Nursery raising	1	38	0	38	22	0	22	60
Horticulture	DAO	PF	Value addition	1	33	0	33	22	0	22	55
Horticulture	STATE DEPARTMENT	PF	Post harvest technology	1	18	0	18	17	0	17	35
Home Science	ATMA	FW	Preservation techniques	1	0	29	29	0	10	10	39
Home Science	DAO	FW	Healthy diet plan for women and children	1	0	32	32	0	15	15	47
Home Science	STATE DEPARTMENT	FW	Value addition	1	0	50	50	0	15	15	65
Plant Protection	ATMA	PF	Integrated management of fall army warm in maize	1	23	0	23	22	0	22	45
Plant	DAO	PF	Role of	1	33	0	33	22	0	22	55

Protection			Trichoderma, Beauveria, bossiana and metarhium anisoplie and its uses								
Plant Protection	STATE DEPARTMENT	PF	Integrated Nutrient Management	1	18	0	18	17	0	17	35
Crop production	ATMA	PF	Scientific production of kharif crops	1	38	0	38	22	0	22	60
Crop production	DAO	PF	Organic farming	1	33	0	33	22	0	22	55
Crop production	STATE DEPARTMENT	PF	Soil Health Card	1	23	0	23	22	0	22	45
Agricultural Engineering	ATMA	PF/FW	Rainwater harvesting	1	23	10	33	22	10	32	55
Agricultural Engineering	DAO	PF/FW	Farm Machinery maintenance	1	33	0	33	22	0	22	55
Agricultural Engineering	GGRC	PF/FW	Micro Irrigation System	1	23	10	33	22	10	32	55
Agricultural Engineering	STATE DEPARTMENT	PF/FW	Value addition	1	23	10	33	22	10	32	55
Extension Education	STATE DEPARTMENT	PF	Use of mass media	1	18	0	18	17	0	17	35
Extension Education	DAO	PF	Organic farming	1	18	0	18	17	0	17	35
Extension Education	ATMA	PF	Entrepreneurship development	1	18	0	18	17	0	17	35
Extension Education	DAO	PF	Use of soil health card	1	18	0	18	17	0	17	35
			Total	**20**	**431**	**141**	**572**	**344**	**70**	**414**	**956**

Annexure - II

Budget - Details of budget utilization (April 2019 to up till date)

S. No.	Particulars	Sanctioned	Released	Expenditure
24.1	**Recurring Contingencies**			
24.1.1	**Pay & Allowances**	8100000	600000	6725540
24.1.2	**Traveling allowances**	100000	900000	84642
24.1.3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material			
E	Frontline demonstration except oilseeds and pulses	1200000		908634
F	On farm testing			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
24.1	**Total Recurring**	**9400000**	**1500000**	**7718816**
24.2	**Non-Recurring Contingencies**			
24.2.1	**Works**			
24.2.2	**Equipments including SWTL & Furniture**			
24.2.3	**Vehicle** (Four wheeler)	800000	800000	0
24.2.4	**Library**			
24.2	**Total Non Recurring**	800000	800000	0
24.3	**REVOLVING FUND**	0	0	1658471
24.4	**GRAND TOTAL (A+B+C)**	**10200000**	**2300000**	**9377287**

Details of Budget Estimate (2020-21) based on proposed action plan

S. No.	Particulars	BE 2020-21 proposed (Rs.)
25.1	**Recurring Contingencies**	
25.1.1	**Pay & Allowances**	**99,00000**
25.1.2	**Traveling allowances**	**2,00000**
25.1.3	**Contingencies**	
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	**18,00000**
B	POL, repair of vehicles, tractor and equipments	
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
G	Training of extension functionaries	
H	Maintenance of buildings	
I	Establishment of Soil, Plant & Water Testing Laboratory	
J	Library	
25.1	**TOTAL Recurring Contingencies**	**18,00000**
25.2	**Non-Recurring Contingencies**	**0**
25.2.1	**Works**	**0**
25.2.2	**Equipments including SWTL & Furniture**	**0**
25.2.3	**Vehicle** (Four wheeler/Two wheeler, please specify)	**0**
25.2.4	**Library** (Purchase of assets like books & journals)	**0**
25.2	**TOTAL Non-Recurring Contingencies**	**0**
25.3	**REVOLVING FUND**	**0**
25.4	**GRAND TOTAL**	**11900000**