

# ICAR-ATARI, Pune

## DETAILS OF ACTION PLAN OF KVKs DURING 2021 (1<sup>st</sup> January 2021 to 31<sup>st</sup> December 2021)

### 1. GENERAL INFORMATION ABOUT THE KVK

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

Address with PIN code	Telephone		E mail	Website address & No. of visitors (hits)
Krishi Vigyan Kendra, Navsari Agricultural University Dediapada-393040, Dist: Narmada, Gujarat	Office	FAX	kvkdediapada@nau.in kvk_narmada@yahoo.in	http://narmada.kvk6.in/ Visitors- 504156
	02649 234501	-		

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

Address	Telephone		E mail	Website address
	Office	FAX		
Navsari Agricultural University, Eru Char Rasta, Dandi Road, Navsari – 396 450, Gujarat, INDIA.	(02637) 282771- 75, 282823	(02637) 283794	registrar@nau.in vc@nau.in dee@nau.in	www.nau.in

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

Name	Telephone / Contact		
Dr. Pramodkumar Verma	Office	Mobile	Email
	02649-234501	7575011107	drverma@nau.in

#### 1.4. Year of sanction & type of host organization: 2006 (SAU)

### 1.5. Staff Position (as on December 31, 2020)

Sr. No.	Sanctioned post	Name of the incumbent	Discipline	If Permanent, please indicate		Date of joining	If Temporary, pl. indicate the consolidated amount paid (Rs. /month)
				Current Pay Band	Current Grade Pay		
1.	Senior Scientist and Head	Dr. Pramodkumar Verma	Ext. Edu.	131400-217100	-	15-08-19	158601/-
2.	Subject Matter Specialist	Vacant	Ext. Edu.	57700-182400	-	-	-
3.	Subject Matter Specialist	Vacant	Agronomy	57700-182400	-	-	-
4.	Subject Matter Specialist	Dr. H. R. Jadav	Entomology	68900-205500	-	30-01-12	86101/-
5.	Subject Matter Specialist	Dr. D. B. Bhinsara	Animal Husbandry	57700-182400	-	20-09-19	76287/-
6.	Subject Matter Specialist	Dr. M. V. Tiwari	Home Science	57700-182400	-	21-08-15	78456/-
7.	Subject Matter Specialist	Dr. J. H. Gohil	Horticulture	57700-182400	-	01/12/2020	80961/-
8.	Programme Assistant	Mr. V. R. Jinjala	Agronomy	39900-126600	-	13-08-15	46983/-
9.	Computer Programmer	Mr. M. H. Bhatt	Computer Programmer	39900-126600	-	17-08-15	46983/-
10.	Farm Manager	Mr. M. L. Visat	Plant Breeding	38,090 Fix	-	11-03-19	38090/-
11.	Accountant/Superintendent	Mr. R. K. Tadavi	Head Clark	35400 -112400	-	01-07-17	63123/-
12.	Stenographer	Vacant	-	-	-	-	-
13.	Driver 1	Mr. S. M. Saiyed	Driver cum Mechanic	19900 -63200	-	23-08-12	30780/-
14.	Driver 2	Vacant	-	-	-	-	-
15.	Supporting staff 1	Vacant	-	-	-	-	-
16.	Supporting staff 2	Vacant	-	-	-	-	-

**1.6. Total land with KVK (in ha):**

S. No.	Item	Area (ha)
1	Under Buildings	05.24
2.	Under Demonstration Units	01.00
3.	Under Crops	10.46
4.	Orchard/Agro-forestry	01.60
5.	Others (bunds, farm roads)	02.00
6.	Farm Pond	00.60
<b>Total</b>		21.60

**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	2010	1200	90.00	July-2010	1200	Completed
2.	Farmers Hostel	ICAR	2010	1500	30.43	April-2012	1500	Completed
3.	Staff Quarters (6)	ICAR	2010	370	39.69	Jan-2010	370	Completed
4.	Demonstration Units (6)	ICAR	2017	260	3.86	April-2018	260	Completed
5	Fencing	State	2007	1100	26.00	April-2008	1100	Completed
6	Rain Water harvesting system	ICAR	2012	10	1.00	April-2013	10	Completed
7	Threshing floor	State	2014	200	2.00	April-2014	200	Completed

8	Farm godown	ICAR	2010	110	20.00	April-2011	110	Completed
9	ICT lab	-	-	-	-	-	-	-
10	STL (Soil testing Laboratory)	ICAR	2017	110	16.50	April-2018	110	Completed
11	Implement shed	State	2018	100	4.50	April-2018	100	Completed

#### B. Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bike	2012	49,000/-	33,941	Good
Bolero	2019	8,00,00/-	15962	Good

#### C. Equipments & AV aids

Name of the equipment / Implements	Year of purchase	Cost (Rs.)	Present status
Trailer	26.03.2007	80,000/-	Working
Cultivator	26.03.2007	15,000/-	Working
Plough	22.10.2008	4,300/-	Working
Electronic balance	20.08.2009	8,000/-	Working
Scale balance	09.03.2009	6,000/-	Working
Rotavator	02.03.2009	63,000/-	Working
Disc harrow	09.03.2009	57,120/-	Working
Submersible pump	13.03.2009	41,105/-	Working
Plough	18.03.2009	19,000/-	Working
Leveler	18.03.2009	13,500/-	Working
Pump sprayer	21.03.2009	20,700/-	Working
Thresher	21.03.2009	1,05,000/-	Working
Bund former	26.03.2009	12,348/-	Working
Seed drill	26.03.2009	11,500/-	Working
V ditcher	28.03.2009	20,400/-	Working
Ridge	28.03.2009	15,000/-	Working
Computer with accessories	28.03.2009	36,735/-	Working
Submersible pump	30.03.2009	41,075/-	Working

Honda Portable generator	31.03.2009	38,000/-	Working
Digital camera	06.03.2010	25,000/-	Working
Fax machine	20.03.2010	14,900/-	Working
Digital Copier	29.03.2010	66,600/-	Working
Multi crop thresher	26.03.2010	1,45,000/-	Working
Castor Thresher	26.03.2010	15,500/-	Working
Bag sewing machine	27.03.2010	5,040/-	Working
A&V sound system	10-12-2010	42,898/-	Working
Portable Sound system	10-12-2010	22,784/-	Working
Multimedia projector with trolley & screen	10-12-2010	64,997/-	Working
Seed cum fertilizers drill	16-03-2011	36,100/-	Working
Winnower	16-03-2011	26,500/-	Working
LCD TV	21-03-2011	54,890/-	Working
Lap top	24-03-2011	37,850/-	Working
Computer with accessories	17-03-2011	73,690/-	Working
Water cooler with RO system	19-03-2011	43,900/-	Working
Motor Cycle	22-03-2010	49,650/-	Working
Solar Water Heater	22-03-2012	75,025/-	Working
LCD TV	22-03-2012	40,860/-	Working
Refrigerator	22-03-2012	20,100/-	Working
Water Cooler with RO System	22-03-2012	42,000/-	Working
Magazine Stand Model T-9309	12-03-2014	4,465/-	Working
Acrylic Specimen Box	12-03-2014	840/-	Working
Acrylic Table Top/Desk ped	12-03-2014	4,952/-	Working
Acrylic Door Name Plate	12-03-2014	656/-	Working
Electric Motor 5 H. P	23-08-2014	22,500/-	Working
Electric Motor 0.5 H. P	03-12-2014	2,800/-	Working
Loan Mover	23-12-2014	26,200/-	Working
Sewing Machine with Gear (No. 16)	23-12-2014	91,200/-	Working
Sewing Machine without Gear	23-12-2014	8,000/-	Working
Sewing Machine	23-12-2014	8,000/-	Working
Trolley (2 Wheel)	24-02-2015	85,000/-	Working
Case Wheel	24-02-2015	15,000/-	Working

Samar	24-02-2015	28,000/-	Working
Peddler	24-02-2015	20,000/-	Working
Notice board	03-03-2015	5,980/-	Working
Magazine Stand	03-03-2015	6,240/-	Working
Honda Generator	23-03-2015	96,500/-	Working
Soil testing mini lab.	27/11/2015	75,000/-	Working
Digital electronic weight machine	04/02/2016	29,900/-	Working
Digital electronic weight machine	04/02/2016	6,900/-	Working
Paddy Thresher Fan with motor	04/02/2016	42,000/-	Working
Spray pump with betray	04/03/2016	8,000/-	Working
Paddy Thresher	21/03/2016	1,67,000/-	Working
Lesser band leveler	21/03/2016	2,95,000/-	Working
Rico digital photo copier	17/03/2017	1,50,000/-	Working
Rotary Secker	18/03/2017	99,000/-	Working
Automatic nitrogen distillation operator	16/03/2017	3,08,800/-	Working
Digital Spectrophoto meter	16/03/2017	75,000/-	Working
Hot plate	16/03/2017	41,300/-	Working
Oat at oven	18/03/2017	41,800/-	Working
E.C. meter	18/03/2017	34,760/-	Working
Electric top pan	18/03/2017	72,200/-	Working
Flam photo meter	18/03/2017	72,000/-	Working
P.H. Meter	16/03/2017	56,400/-	Working
Mrudaparikshak	25/03/2017	86,000/-	Working
Chap cutter	13/11/2017	26,964/-	Working
Winnowing fan with electric motor	08/02/2018	8,300/-	Working
Tractor mount sprayer	17-02-2018	99,710/-	Working

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

Sl. No.	Particulars	Proposed date of meeting
1	14 <sup>th</sup> Scientific Advisory Committee Meeting	31-12-2021

## 2. DETAILS OF JURISDICTION AREA UNDER KVK (No. of talukas)

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

Sr. No	Farming system/enterprise
1.	Agriculture + Horticulture + Animal husbandry
2.	Agriculture + Horticulture + Agroforestry (Agrihortisilvicultural)
3.	Agriculture + Animal husbandry
4.	Agroforestry

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

S. No	Agro-climatic Zone and Agro Ecological Situations	Characteristics	
1	South Gujarat Zone II, AES-I (Dediapada, Sagbara, Garudeshwar & Nandod)	Rainfall: 1000-1250 mm	<b>Type of Soil:</b> Undulating, shallow to medium in depth, fine textured, highly erosive and Deep Black Soil-Plain
2	Middle Gujarat Zone III, AES-IX (Tilakwada)	Rainfall: > 800 mm	<b>Soil Characteristics:</b> Low fertility land and hilly terrain with dense forest and Deep black soil with high rainfall-plain  <b>Soil fertility:</b> Nitrogen-poor, Phosphorus medium, Potash High.

### 2.3. Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Undulating, shallow to medium in depth, fine textured, highly erosive	Low fertility land and hilly terrain with dense forest.	94,240
2	Deep black soil- Plain	Deep black soil with high rainfall- plain	23,560

### 2.4. Area, Production and Productivity of major crops cultivated in the district (2019-20)

S. No	Crop	Area (ha)	Production (MT.)	Productivity (Qt./ha)
<b>CEREALS</b>				
1	Paddy	10735	9554/25871	8.90/24.10
2	Wheat	4000	9048	22.62
3	Sorghum	1223	1724	14.10
4	Maize	6289	9999	15.90
<b>TOTAL</b>		<b>22247</b>	<b>56196</b>	<b>85.62</b>
<b>PULSES</b>				
1	Green gram	269	135	5.02
2	Pigeon Pea (Arhar)	18568	18382	9.90
3	Chick pea	1632	1593	976

<b>TOTAL</b>		<b>20469</b>	<b>20110</b>	<b>990.92</b>
<b>OILSEEDS</b>				
1	Soybean	3410	5831	17.10
2	Ground nut	189	347	18.40
3	Sesame	22	13	5.82
4	Castor	314	617	19.64
<b>TOTAL</b>		<b>3935</b>	<b>6808</b>	<b>60.96</b>
<b>OTHERS</b>				
1	Cotton	51173	67548	13.20
2	Sugarcane	4819	358678	744.30
3	Vegetables	2856	2770	9.70
4	Fodder Crops	2179	4794	22.00
<b>TOTAL</b>		<b>61027</b>	<b>433790</b>	<b>789.2</b>

**Authentic Source (State / Central Govt): District agriculture department.**

## **2.5.Weather data (2020-21)**

<b>Month</b>	<b>Rainfall (mm)</b>
January	0.00
February	0.00
March	0.00
April	0.00
May	0.00
June	121.80
July	153.20
August	786.40
September	245.80
October	20.20
November	0.00
December	0.00
<b>Total</b>	<b>1327.4</b>

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

<b>Category</b>	<b>Population</b>	<b>Production</b>	<b>Productivity</b>
<b>Cattle</b>			
Crossbred	4226	45,000 Tone/year milk	7.094 lit/day (milk)
Indigenous	136637		2.518 lit/day (milk)
<b>Buffalo</b>	58951		3.462 lit/day (milk)
<b>Sheep</b>	131	-	863 gm/year (wool)
Crossbred	-	-	-
Indigenous	-	-	-
<b>Goats</b>	71897	19843 kg meat/year	3.62 kg/year (meat)
<b>Pigs</b>	-	-	-



Crossbred	-	-	-
Indigenous	74	-	-
<b>Rabbits</b>	73	-	-
<b>Poultry</b>	-	-	-
Hens	-	-	-
Desi	138509	36,00,000 egg/year	0.2504 no. of egg/day
Improved	3887		0.6643 no. of egg/day
Ducks	913	-	-
Turkey and others	-	-	-
<b>Category</b>	<b>Area</b>	<b>Production</b>	<b>Productivity</b>
Fish	-	-	-
Marine	-	-	-
Inland	18.09	-	200 kg/ha
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

## 2.7. Details of Operational area / Villages

Name of the Taluka	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
Dediapada	Kunbar, Rohda, Almavadi, Sejpur, Navagam, Panuda, Bhatpur, Soliya	Paddy, Pigeon pea, sorghum, Gram	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> </ul>

Relva Bharada, Sabuti, Khuparborsan, Gopaliya, Siyali	Paddy, Pigeon pea, sorghum Gram, Cotton, Wheat	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
Mathasar, Kanzari, Pankhala, Kokam, Vandari,	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
Tabda, Zankh, Kham, Bhutbeda,	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>

Sagbara	Panchpipali, Navagam, Javali, Kel, Ubhariya. Kherdipada, Barktura,	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
	Nanadoramba, Motadoramba, Makran, Nana Kakadiamba, Bodvav	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>
Nandod	Boridra, Amali, Nani chikhali, Moti chikhali. Partapnagar,	Paddy, Pigeon pea, sorghum Gram, Cotton, wheat, Vegetable	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Use of local variety,</li> <li>• Imbalance use of</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Varietal replacement</li> </ul>

Tilak-wada	Nimpura, Bunjetha, Utavadi, Gamod.	Cotton, Paddy, Pigeon pea, maize, Gram, Wheat, Sorghum	<ul style="list-style-type: none"> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low animal productivity</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> <li>• Production technology of major crops,</li> <li>• Promotion of vegetable crops,</li> <li>• Dairy management through feeding, housing and Health management</li> </ul>
Garudeshvar	Junvad, Fulvadi, Moti raval, Mota raipura, Suka, Zunda, Kalimakwana, Nava vaghpara	Paddy, Pigeon pea, Cotton, Maize, Gram, Wheat, Vegetables	<ul style="list-style-type: none"> <li>• Use of local variety,</li> <li>• Imbalance use of fertilizer,</li> <li>• Low irrigation facility</li> <li>• Low animal productivity</li> <li>• Insect pest problem in cotton</li> <li>• High use of input in cotton and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>• Varietal replacement</li> <li>• Production technology of major crops,</li> <li>• Water conservation,</li> <li>• Arid horticulture,</li> <li>• Dairy management through feeding, housing and Health management</li> <li>• Integrated pest management</li> <li>• Integrated Nutrient Management</li> </ul>

## 2.8. Priority thrust areas:

1	Introduction of Improved variety
2	Balance used of fertilizers
3	Eco friendly plant protection technology
4	Dairy management and goat rearing
5	Drudgery reduction technology for farm women health nutrition for vulnerable groups and sickle cell anemia awareness
6	Women empowerment and self-reliability through entrepreneurial development

### 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
04	20	816	1168

Training		Extension Activities	
(3)		(4)	
Number of Courses	Number of Participants	Number of activities	Number of participants
119	4330	239	22185

Seed Production (Qtl.)	Planting material (Nos.)	Livestock, poultry strains and Fish seed prod. (No's)	Soil Samples
(5)	(6)	(7)	(8)
250	168000	15	1000

#### 3.1.B. Operational areas details proposed during 2021

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.) *
Increasing the production of major crops					<ul style="list-style-type: none"><li>• Field day</li><li>• Field visits</li><li>• Diagnostic</li></ul>
1	Pigeon pea	Use of local variety, Imbalance	20	Two Cluster	
2	Chickpea		20	Having six	

3	Green gram	use of fertilizer and No use of bio fertilizer.	10	villages of Dediapada and sagbara talukas	visit <ul style="list-style-type: none"><li>• Kisan gosthi</li><li>• Crop Symposium-Kharif and Rabi</li><li>• Exhibition Literature Publication and distribution</li></ul>	
4	Groundnut		10			
5	Soybean		20			
6	Sesame		10			
7	Paddy (Drilled)	Use of local variety.	20			
8	Paddy (T.P.)		30			
9	Black gram		05			
10	Maize	Introduction of new variety.	05			
11	Cotton	Use of local variety.	20	Two Cluster Having six villages of Tilakwada and Garudeshvar talukas		
12	Cotton	Lack of Knowledge, Low yield, More cost of cultivation.	6			
13	Paddy		6	Two Cluster Having six villages of Dediapada and sagbara taluka		
14	Maize		6			
Fruit and vegetables in irrigated area						
15	Brinjal	Lack of Knowledge and No use of bio-component.	5	Two Cluster Having six villages of Dediapada and sagbara taluka		
16	Chilli		5			
17	Indian bean	Use of local variety.	5			
18	Watermelon	Lack of Knowledge and No use bio fertilizer.	5			
19	Greater yam		5			
20	Ajwain		10			
21	Banana	Use of local variety.	01	Two Cluster Having six villages of Nandod and Garudeshvar talukas		
22	Mango	Use of local variety.	125	One Cluster Having six villages of		

				Dediapada and sagbara taluka	
Livestock Management					
23	Chelated Mineral Mixture	Low animal productivity, Imbalance Animal nutrition and feeding, housing and Health management,	50	Two Cluster Having six villages of Dediapada and sagbara talukas	
24	Fodder Sorghum		50		
25	Rubber Cow mat		25		
26	Mineral mixture licking block		50		
Small Scale Farm Mechanization					
27	Milking stand and stool	Ergonomics drudgery reduction parameters like physical hazards, muscle stress, fatigue etc	50	Two Cluster Having six villages of Dediapada and sagbara talukas	
28	Paddy thresher with winnowing fan		50		
29	Stalk pullover		25		
30	Twin Wheel Hoe with four attachment		02		

\* Support with problem-cause and interventions diagram

### 3.2. Technologies to be assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation	01	-	-	-	-	-	-	-	-	01
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Drudgery reduction	-	-	-	-	-	-	-	-	-	-
Farm machineries	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	01	-	-	-	-	-	-	-	-	01
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Resource conservation technology	-	-	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>02</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>02</b>

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Vermi culture	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-	-	-
Value Addition	-	-	-	-	-	-	-	-
Production and Management	-	-	-	-	-	-	-	-
Feed and Fodder	-	-	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>



### B. (I). Details of On Farm Trial / Technology Assessment during 2021

S. No.	Crop/ enterprise	Prioritized problem	Title of OFT	Technology options	Source of Technology	Name of critical input	Qty per trial (kg)	Cost per trial	No. of trials	Total cost for the Intervention (Rs.)	Parameters to be studied	Team members
1	Wheat Crop	Lack of Knowledge, Low yield and More cost of cultivation	Assessment of management Wheat varieties	T1: Wheat GW-496	SDAU, Dantiwada and AAU, Anand	Wheat GW-496, GW-451 and GW-273	40 kg	5500/-	05	27500/-	Yield increase (%), Yield (Q/ha), B:C Ratio.	Scientist (plant production and Plant Protection)
				T2: Wheat GW-451			+ 40 kg					
				T3: Wheat GW-273			+ 40 kg					
2	Maize Crop	Unawareness about application of insecticides, Residual problem, Due to non-availability of labour, Biotic and abiotic stress and poor insect management	Assessment of management techniques against Fall Army Worm in Maize.	T1: Farmers practice: Profenofos 40% + Cypermethrin 4% @ 20-30 ml per 10 lit. water at 10 DAS, T2: IPM module practice: Includes -Pheromone trap @ 5 per ha -T shaped perches @40 per ha -Application of Neem oil 1500 ppm @50 ml per 10 lit. -Application of Beauveria bassiana @ 50 gm per 10 lit.	NAU, Navsari.	Profenofos 40%, Cypermethrin 4%, Pheromone trap, T shaped perches, Neem oil 1500 ppm and Beauveria bassiana	1 Lit. + 1 Lit. + 3 No. + 1 Lit. + 1 Kg.	2500/-	05	12500/-	Yield increase (%), Yield (Q/ha), B:C Ratio.	Scientist (Plant Protection and plant production)

**B. (II). Details of Continue on Farm Trial / Technology Assessment****OFT – 1: Assessment of nutrient management on performance of milk yield of local Indigenous cattle of Narmada district (1<sup>st</sup> Year)**

Treatment	Technology Assessed	Yield (Kg/ha)	BCR
T1: Traditional Practice (No stall feeding)	Nutrition Management	Result awaited.	
T2: Supplementation of concentrate feeding (0.5 kg/ 1kg milk production + 1.5 kg) + 30g mineral mixture + 15 g Bypass protein and fat/ kg milk production + De-worming			

**OFT – 2: Assessment of Ajwain varieties (1<sup>st</sup> Year)**

Treatments	Technology Assessed	Yield (Kg/ha)	BCR
T1: Farmer Practices (their own seeds unrecognized variety)	Assessment of Ajwain varieties	Result awaited.	
T2: AA-1			
T3: AA-2			
T4: Gujarat Ajwain-2			
T5: Ajmer Ajwain-93			

### 3.3. Front Line Demonstration: (2021-22)

A. Details of FLDs to be organized (Oilseeds, pulses, cereals, cotton, commercial crops, horticulture crops, vegetables, spices and condiments, fodder crops, etc.)

Sl. No.	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of farmers/ demon.	Parameters identified
1	Pigeon pea	GT-105	ICM	Improved variety	45000	Kharif'2021	20	50	Yield Q/ha, Increased yield (%), B:C ratio
2	Chickpea	GJG - 3 and 5	ICM	Improved variety	60000	Rabi'2021-22	20	50	Yield Q/ha, Increased yield (%), B:C ratio
3	Green gram	GM - 6 /GM- 7	ICM	Improved variety	45000	Summer'22	10	25	Yield Q/ha, Increased yield (%), B:C ratio
4	Groundnut	GG-22	ICM	Improved variety	150000	Kharif'2021	10	25	Yield Q/ha, Increased yield (%), B:C ratio
5	Soybean	NRC-37/ KDS-344	ICM	Improved variety	40000	Kharif'2021	20	50	Yield Q/ha, Increased yield (%), B:C ratio
6	Sesame	GT-5	ICM	Improved variety	25000	Summer'2022	10	25	Yield Q/ha, Increased yield (%), B:C ratio
7	Paddy (Drilled)	Purna/ Tapi	Varietal	Improved variety	50000	Kharif'2021	20	50	Yield Q/ha, Increased yield (%), B:C ratio
8	Paddy (T.P.)	GNR-6/ GNRH-2/ GAR-13	Varietal	Improved variety	65000	Kharif'2021	30	75	Yield Q/ha, Increased yield (%), B:C ratio
9	Maize	GAYMH-1	Varietal	Improved variety	20000	Kharif'2021	5	12	Yield Q/ha, Increased yield (%), B:C ratio
10	Black gram	GU-1	Varietal	Improved variety	50000	Kharif'2021	5	12	Yield Q/ha, Increased yield (%), B:C ratio
11	Cotton	Bt. H-12	Varietal	Improved variety	50000	Kharif'2021	20	50	Yield Q/ha, Increased yield (%), B:C ratio

12	Cotton	Bt. H-12	IPM	Pheromone trap with lures, Neem based pesticides, <i>B. bassiana</i> Acetamiprid.	48000	Khari <sup>o</sup> 2021	6	16	Mean population/plant Yield Q/ha Increased yield (%) B:C ratio
13	Paddy	GNR-2	IPM	Pheromone trap with lures, Neem based pesticides, <i>B. bassiana</i> Acetamiprid,	48000	Khari <sup>o</sup> 2021	6	16	Mean population/plant Yield Q/ha Increased yield (%) B:C ratio
14	Maize	-	IPM	Neem based pesticides, <i>Metar<sup>o</sup>izium</i> and <i>B. bassiana</i> , Pheromone trap with lures, and Flubendiamide.	60000	Khari <sup>o</sup> 2021	5	12	Mean population/plant Yield Q/ha Increased yield (%) B:C ratio
15	Brinjal	-	Bio-agents	Pseudomonas culture	3000	Rabi-2021-22	5	12	Mean population/plant Yield Q/ha Increased yield (%) B:C ratio
16	Chilli	-	Bio-agents	Pseudomonas culture	3000	Rabi-2021-22	5	12	Mean population/plant Yield Q/ha, Increased yield (%), B:C ratio
17	Indian bean	NPS-2	Varietal	Improved variety	15000	Late Khari <sup>o</sup> 2021	5	12	Yield Q/ha, Increased yield (%), B:C ratio
18	Watermelon	-	INM	Novel and waste decomposer	4000	Summer'-2022	5	12	Yield Q/ha, Increased yield (%), B:C ratio
19	Greater yam		INM	Novel and waste decomposer, bio compost	4000	Khari <sup>o</sup> -2021	5	12	Yield Q/ha, Increased yield (%), B:C ratio

20	Ajwain	-	INM	Novel and vermi compost	25000	Late kharif-2021	10	25	Yield Q/ha, Increased yield (%), B:C ratio
21	Banana		Varietal	Improved variety G-9	8000	Kharif-2021	01	02	Yield Q/ha, Increased yield (%), B:C ratio
22	Mango	Sonpari	Varietal	Improved variety	16250	Kharif-2021	Five PER farmer	25	Yield Q/ha, Increased yield (%), B:C ratio
<b>Total</b>					<b>8,34,250/-</b>				

#### Sponsored Demonstration (CFLDs on O & P/Others)

<b>Crop/ Enterprises</b>	<b>Area (ha)</b>	<b>No. of farmers</b>
Cotton	20	50
Chickpea	20	50
Maize	20	50
Kitchen Garden / vegetable	100	100
Novel	20	50
<b>Total</b>	<b>180</b>	<b>300</b>

#### B. Extension and Training activities under FLDs

<b>S. No.</b>	<b>Activity</b>	<b>No. of activities</b>	<b>Month</b>	<b>Number of participants</b>
<b>1.</b>	Field days	30	-	4500
<b>2.</b>	Farmers Training	75	-	3095
<b>3.</b>	Media coverage	5	-	-
<b>4.</b>	Training for extension functionaries	4	-	100

### C. Details of FLD on Other Enterprises

#### A. Farm Implements

Sr. No.	Crop/ Enterprises	Thematic area	Technology /input demonstration	No. of farmers	Parameters to be identified	Cost of input /RS
1.	Milking Animal	Drudgery reduction	Milking stand and stool	25	Ergonomics drudgery reduction parameters like physical hazards, muscle stress, fatigue etc.	30000
2.	Threshing and winnowing	Drudgery reduction	Paddy thresher and winnowing fan	03/ 3 SHG		84000
3.	Removal of stubble	Drudgery reduction	Stalk pullover	25		25000
4.	Weed management	Drudgery reduction	Twin Wheel Hoe with four attachment	30		48000
Total						1,87,000/-

#### B. FLD on Livestock and Fisheries Enterprises

Sr. No	Technology to be demonstrated	Thematic Area	No. of Farmer	Observation	Critical inputs	Cost/input (RS)
1.	Chelated Mineral Mixture	Animal nutrition	50	Milk production	Chelated Mineral Mixture	10000
2.	Fodder Sorghum	Animal nutrition	50	Fodder production	Fodder seed	10000
3.	Rubber Cow mat	Animal Health	25	Milk production and good health	Cow mat	50000
4.	Mineral mixture licking block	Animal Nutrition	50	Calving interval (Days)	Mineral mixture licking block	10000
<b>Total</b>						<b>80,000/-</b>

#### C. Other Enterprises (Mushroom, Apiculture, Sericulture, Vermicompost, Value Addition, Women empowerment, etc.)

Enterprise	Technology demonstrated	No. of farmers	No. of units	Critical inputs	Performance parameters / indicators
-	-	--	-	-	-

### 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	01				20	10	30	30
Resource Conservation Technologies								
Cropping Systems								
Crop Diversification								
Integrated Farming	01				20	10	30	30
Water management								
Seed production								
Nursery management								
Integrated Crop Management	01				20	10	30	30
Fodder production								
Production of organic inputs	01				20	10	30	30
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	01				20	10	30	30
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	01				20	10	30	30
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	01				20	10	30	30
Management of young plants/orchards	01				20	10	30	30
Rejuvenation of old orchards								
Export potential fruits								

Micro irrigation systems of orchards								
Plant propagation techniques								
<b>c) Ornamental Plants</b>								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology	01				20	10	30	30
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	01				20	10	30	30
Production and management technology								
Post-harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
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								
<b>IV Livestock Production and Management</b>								
Dairy Management	01				20	10	30	30
Poultry Management	01				20	10	30	30
Piggery Management								
Rabbit Management/goat	01				20	10	30	30
Disease Management	01				20	10	30	30
Feed management	01				20	10	30	30
Production of quality animal products	01				20	10	30	30
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	01				20	10	30	30
Design and development of low/minimum cost diet	01				20	10	30	30
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	01				20	10	30	30
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies	01				20	10	30	30
Rural Crafts	01				20	10	30	30
Women and child care	01				20	10	30	30
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								

Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management	02				40	20	60	60
Integrated Disease Management	02				40	20	60	60
Bio-control of pests and diseases	01				20	10	30	30
Production of bio control agents and bio pesticides	01				20	10	30	30
<b>VIII Fisheries</b>								
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								
<b>IX Production of Inputs at site</b>								
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								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	01				20	10	30	30
Group dynamics								
Formation and Management of SHGs	01				20	10	30	30
Mobilization of social capital	01				20	10	30	30
Entrepreneurial development of farmers/youths	01				20	10	30	30
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems								
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>32</b>				<b>640</b>	<b>320</b>	<b>960</b>	<b>960</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01				20	10	30	30
Bee-keeping	01				20	10	30	30
Integrated farming	01				20	10	30	30
Seed production	01				20	10	30	30
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture	01				20	10	30	30
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops	01				20	10	30	30
Training and pruning of orchards								
Value addition								

Production of quality animal products								
Dairying								
Sheep and goat rearing	01				20	10	30	30
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	01				20	10	30	30
<b>TOTAL</b>	<b>08</b>				<b>160</b>	<b>80</b>	<b>240</b>	<b>240</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management	01				20	10	30	30
Integrated Nutrient management	01				20	10	30	30
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	01				20	10	30	30
Women and Child care	01				20	10	30	30
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>TOTAL</b>	<b>04</b>				<b>80</b>	<b>40</b>	<b>120</b>	<b>120</b>
<b>G. Total</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>880</b>	<b>440</b>	<b>1320</b>	<b>1320</b>

## 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	01				25	25	50	50
Resource Conservation Technologies	01				25	25	50	50
Cropping Systems	01				25	25	50	50
Crop Diversification								
Integrated Farming	01				25	25	50	50
Water management								
Seed production								
Nursery management								
Integrated Crop Management	01				25	25	50	50
Fodder production								
Production of organic inputs	01				25	25	50	50
II Horticulture								
a) Vegetable Crops								

Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	01				25	25	50	50
Exotic vegetables like Broccoli	01				25	25	50	50
Export potential vegetables	01				25	25	50	50
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
<b>b) Fruits</b>								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	01				25	25	50	50
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits	01				25	25	50	50
Micro irrigation systems of orchards								
Plant propagation techniques	01				25	25	50	50
<b>c) Ornamental Plants</b>								
Nursery Management	01				25	25	50	50
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology								
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								

Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	01				25	25	50	50
Production and management technology								
Post-harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	01				25	25	50	50
Production and use of organic inputs								
Management of Problematic soils								
Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	01				25	25	50	50
<b>IV Livestock Production and Management</b>								
Dairy Management	01				25	25	50	50
Poultry Management	01				25	25	50	50
Piggery Management								
Rabbit Management /goat	01				25	25	50	50
Disease Management	02				50	50	100	100
Feed management	02				50	50	100	100
Production of quality animal products	01				25	25	50	50
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	01				25	25	50	50
Design and development of low/minimum cost diet	01				25	25	50	50
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	01				25	25	50	50

Storage loss minimization techniques	01				25	25	50	50
Value addition	02				50	50	100	100
Income generation activities for empowerment of rural Women	01				25	25	50	50
Location specific drudgery reduction technologies	01				25	25	50	50
Rural Crafts								
Women and child care								
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post-Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management	02				50	50	100	100
Integrated Disease Management	02				50	50	100	100
Bio-control of pests and diseases	02				50	50	100	100
Production of bio control agents and bio pesticides	02				50	50	100	100
<b>VIII Fisheries</b>								
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								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production (Horti.)								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production (Horti.)	01				25	25	50	50
Organic manures production (A.S.)	01				25	25	50	50
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								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	01				25	25	50	50
Group dynamics	01				25	25	50	50
Formation and Management of SHGs (HS)	01				25	25	50	50
Mobilization of social capital								
Entrepreneurial development of farmers/youths (Agro.)	01				25	25	50	50
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems (Agro)	01				25	25	50	50
<b>XII Others (Pl. Specify)</b>								
<b>TOTAL</b>	<b>47</b>				<b>1175</b>	<b>1175</b>	<b>2350</b>	<b>2350</b>

**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	02				45	35	80	80
Resource Conservation Technologies	01				25	25	50	50
Cropping Systems	01				25	25	50	50
Crop Diversification								
Integrated Farming	02				45	35	80	80
Water management								
Seed production								
Nursery management								
Integrated Crop Management	02				45	35	80	80
Fodder production								
Production of organic inputs	02				45	35	80	80
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables	01				20	10	30	30
Nursery raising	01				25	25	50	50
Exotic vegetables like Broccoli	01				25	25	50	50
Export potential vegetables	01				25	25	50	50
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	01				20	10	30	30
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit	02				45	35	80	80
Management of young plants/orchards	01				20	10	30	30
Rejuvenation of old orchards								
Export potential fruits	01				25	25	50	50

Micro irrigation systems of orchards								
Plant propagation techniques	01				25	25	50	50
<b>c) Ornamental Plants</b>								
Nursery Management	01				25	25	50	50
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
<b>d) Plantation crops</b>								
Production and Management technology								
Processing and value addition								
<b>e) Tuber crops</b>								
Production and Management technology	01				20	10	30	30
Processing and value addition								
<b>f) Spices</b>								
Production and Management technology								
Processing and value addition								
<b>g) Medicinal and Aromatic Plants</b>								
Nursery management	02				45	35	80	80
Production and management technology								
Post-harvest technology and value addition								
<b>III Soil Health and Fertility Management</b>								
Soil fertility management								
Soil and Water Conservation								
Integrated Nutrient Management	01				25	25	50	50
Production and use of organic inputs								
Management of Problematic soils								

Micro nutrient deficiency in crops								
Nutrient Use Efficiency								
Soil and Water Testing	01				25	25	50	50
<b>IV Livestock Production and Management</b>								
Dairy Management	02				45	35	80	80
Poultry Management	02				45	35	80	80
Piggery Management								
Rabbit Management/goat	02				45	35	80	80
Disease Management	03				70	60	130	130
Feed management	03				70	60	130	130
Production of quality animal products	02				45	35	80	80
<b>V Home Science/Women empowerment</b>								
Household food security by kitchen gardening and nutrition gardening	02				45	35	80	80
Design and development of low/minimum cost diet	02				45	35	80	80
Designing and development for high nutrient efficiency diet								
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	01				25	25	50	50
Storage loss minimization techniques	01				25	25	50	50
Value addition	03				70	60	130	130
Income generation activities for empowerment of rural Women	01				25	25	50	50
Location specific drudgery reduction technologies	02				45	35	80	80
Rural Crafts	01				20	10	30	30
Women and child care	01				20	10	30	30
<b>VI Agril. Engineering</b>								
Installation and maintenance of micro irrigation systems								

Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements								
Small scale processing and value addition								
Post Harvest Technology								
<b>VII Plant Protection</b>								
Integrated Pest Management	04				90	70	160	160
Integrated Disease Management	04				90	70	160	160
Bio-control of pests and diseases	03				70	60	130	130
Production of bio control agents and bio pesticides	03				70	60	130	130
<b>VIII Fisheries</b>								
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								
<b>IX Production of Inputs at site</b>								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production	01				25	25	50	50

Organic manures production	01				25	25	50	50
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								
<b>X Capacity Building and Group Dynamics</b>								
Leadership development	02				45	35	80	80
Group dynamics	01				25	25	50	50
Formation and Management of SHGs	02				45	35	80	80
Mobilization of social capital	01				20	10	30	30
Entrepreneurial development of farmers/youths	02				45	35	80	80
WTO and IPR issues								
<b>XI Agro-forestry</b>								
Production technologies								
Nursery management								
Integrated Farming Systems	01	0	0	0	25	25	50	50
Sponsored training								
<b>TOTAL</b>	<b>79</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1815</b>	<b>1495</b>	<b>3310</b>	<b>3310</b>
<b>(B) RURAL YOUTH</b>								
Mushroom Production	01				20	10	30	30
Bee-keeping	01				20	10	30	30
Integrated farming	01				20	10	30	30
Seed production	01				20	10	30	30
Production of organic inputs								
Integrated Farming								
Planting material production								
Vermi-culture	01				20	10	30	30
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								

Nursery Management of Horticulture crops	01				20	10	30	30
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing	01				20	10	30	30
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	01				20	10	30	30
<b>TOTAL</b>	<b>08</b>				<b>160</b>	<b>80</b>	<b>240</b>	<b>240</b>
<b>(C) Extension Personnel</b>								
Productivity enhancement in field crops								
Integrated Pest Management	01				20	10	30	30
Integrated Nutrient management	01				20	10	30	30
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	01				20	10	30	30
Women and Child care	01				20	10	30	30
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Any other (Pl. Specify)								
<b>Total</b>	<b>04</b>				<b>80</b>	<b>40</b>	<b>120</b>	<b>120</b>
<b>G. TOTAL</b>	<b>91</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2055</b>	<b>1615</b>	<b>3670</b>	<b>3670</b>

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	30	3000	1500	4500	2	1	3	3002	1501	4503
Kisan Mela	1	250	150	400	1	1	2	251	151	402
Kisan Ghosthi	8	250	250	500	1	0	1	251	250	501
Exhibition	2	250	250	500	2	0	2	252	250	502
Film Show	5	150	75	225	2	0	3	152	75	227
Farmers Seminar	5	500	250	750	1	1	2	501	251	752
Workshop	5	250	150	400	1	0	1	251	150	401
Group meetings	13	180	120	300	2	0	2	182	120	302
Lectures delivered as	20	1540	1320	2860	2	0	3	1542	1320	2862



resource persons										
Newspaper coverage	15	0	0	0	0	0	0	0	0	0
Radio talks	1	0	0	0	0	0	0	0	0	0
TV talks	1	0	0	0	0	0	0	0	0	0
Popular articles	5	0	0	0	0	0	0	0	0	0
Extension Literature	20	0	0	0	0	0	0	0	0	0
Scientific visit to farmers field	50	250	250	500	2	0	2	252	250	502
Farmers visit to KVK	0	3400	3400	6800	2	1	3	3402	3401	6803
Diagnostic visits	25	200	150	350	1	1	2	201	151	352
Exposure visits	2	25	25	50	1	0	1	26	25	51
Ex-trainees Sammelan	2	25	25	50	2	0	2	27	25	52
Soil health Camp	3	200	150	350	2	1	3	202	151	353
Animal Health Camp	2	50	50	100	1	1	2	51	51	102
Soil test campaigns	2	75	75	150	2	0	2	77	75	152
Farm Science Club Conveners meet	4	100	100	200	2	1	3	102	101	203
Self Help Group Conveners meetings	1	0	100	100	1	1	2	1	101	102
Mahila Mandals Conveners meetings	1	0	100	100	1	0	1	1	100	101
Celebration of important days (specify)	10	500	500	1000	2	0	2	502	500	1002
Krishi Mohostva	1	600	500	1100	2	1	3	602	501	1103
Pre Kharif	2	200	140	340	1	0	1	201	140	341

workshop										
Pre Rabi workshop	2	200	150	350	2	0	2	202	150	352
PPVFRA workshop	1	110	50	160	2	0	4	112	50	162
Any Other (Specify)										
<b>Total</b>	<b>239</b>	<b>12305</b>	<b>9830</b>	<b>22135</b>	<b>40</b>	<b>10</b>	<b>54</b>	<b>12345</b>	<b>9840</b>	<b>22185</b>

### 3.6. Target for Production and supply of Technological products

#### SEED MATERIALS

Major group/class	Crop	Variety	Area (Acre)	Production (Approximately) (kg/acre)
<b>Kharif season</b>				
Cereals	Paddy	GNR-6/GNR-2/GR-13/GR-16	3	1500-2000
		Purna/Tapi	4	1000-1500
Pulses	Soybean	KDS-344/NRC-37	2	750
Pulses	Pigeon pea	GT-104	4	550
Oil seed	Niger	GN-3	2	100
vegetable	Indian bean	GNIB-22	1	250
<b>Rabi-Season</b>				
Pulses	Gram	GG-3	4	700
		GG-5	1	1000
Green manure	Sun hemp	-	6	500-800
<b>Summer season</b>				
Pulses	Green gram	GM-6/GM-7	2.5	500-600

#### PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
<b>Fruits</b>	Mango	Kesar/Daseri/Nilam etc.	2500
	Custard apple	Local	500
	Lemon	Kagdi lime	800
	Dragon fruit	Red and white cultivar	200
	Strawberry	-	500
<b>Vegetables</b>	Brinjal	Surati ravaiya	50000

	Tomato	GT-7	50000
	Chili	GVC-111	50000
	Cabbage	-	5000
	Cauliflower	-	5000
	Broccoli	-	2000
	Tindola	-	500
	Paraval	-	500
	Spine gourd	Local	500
<b>Spices</b>	-	-	-
<b>Forest Species</b>	-	-	-
<b>Flowers and Ornamental</b>	-	-	-
<b>Fodder Slips</b>	-	-	-
<b>Sugarcane settlings / seedlings</b>	-	-	-
		<b>Total</b>	<b>168000</b>

#### Bio-products

Sl. No.	Product Name	Species	Quantity	
			Kg	Lit
<b>Bio Pesticides</b>	-	-	-	-
<b>Bio Fungicides</b>	-	-	-	-
<b>Bio Fertilizers</b>	-	-	-	-
<b>Any Other (Pl. specify)</b>	Vermicompost		1000	-
	Panch-gavya		-	100
	Das-perni		-	100
		<b>Total</b>	<b>1000</b>	<b>200</b>

#### LIVESTOCK

Sl. No.	Type	Breed	Quantity (No.)
<b>Cattle</b>			
<b>Goat</b>	M/F	Surati	15
<b>Sheep</b>	-	-	-
<b>Poultry</b>	-	-	-
<b>Pigs</b>	-	-	-
<b>Fisheries</b>	-	-	-
<b>Any Other (Pl. specify)</b>	-	-	-
		<b>Total</b>	<b>15</b>

## VALUE ADDED PRODUCTS

Crop / Commodity	Name of the product	Quantity to be prepared (kg or litre)	Sale value (Rs)
<b>Fruit crops</b>	-	-	-
<b>Vegetables</b>	-	-	-
<b>Cereals and Millets</b>	Papad	100 kg	20000/-
<b>Oilseeds and pulses</b>	-	-	-
<b>Spices and condiments</b>	-	-	-
<b>Any other (Pl specify)</b>	-	-	-
	<b>Total</b>	<b>100 kg</b>	<b>20000/-</b>

### 3.7. Action plan for management of KVK instructional farm

Total land with KVK	:	21.6 ha
Cultivable land	:	Irrigated: 10.00 ha and Rainfed: 00 ha
Micro-irrigation facility available at KVK	:	Yes / No.

S. No.	Name of crop	Area (ha)	Variety	Date of sowing / Planting	Date of harvest	Expected yield (q)
1	Crops					
2	Fruit crops	2.00	Kesar, Mango mother block and Custard apple	-	-	-
3	Vegetable crops	1.00	Indian bean	Late kharif	Winter	5.00
4	Seed production	6.55	Paddy, Pigeon pea, Niger, Gram and Green gram	-	-	250
5	Fodder crops	0.25	Sorghum, Lucerne, Oat and Maize	-	-	400
6	Technology cafeteria*	-	-	-	-	-
7	Nutritional Garden*	0.10	Vegetables	-	-	2.00
9	IFS Model*	0.80	Goat breeding unit, Bio gas unit, Azolla unit, Mushroom unit, Vermicompost unit and Farm pond.	-	-	-

\*May add separate table/information if necessary

#### 4. Literature to be Developed/Published

##### A. Literature developed/published

Sr. No.	Topic	Number
1	Research paper each scientist (one)	06
2	Technical reports	25
3	News letters	01
4	Training manual all discipline	06
5	Popular article	12
6	Extension literature	20
7	E-publication	05
8	Any other (Please specify)	
	<b>Total</b>	<b>75</b>

##### B. Details of Electronic Media to be produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette) and video clippings	Title of the programme	Number
1	DVD	About KVK, Narmada	01
2	DVD	Progressive farmers	05

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

Sr. No.	Type of social media platform	Title / Purpose	Number
1	YouTube Channel	KVK Narmada	01
2	Facebook page	KVK Narmada	01
3	Mobile Apps	-	00
4	WhatsApp groups	Mushroom Grower, Animal Husbandry, TWTC Group, <i>Bagayat kheti narmada</i> , Advisory (Plant Protection), Womens Technology Park, GKMS Tilakwada, GKMS Dediapada, GKMS Sagbara, GKMS Nandod and GKMS Garudeswar.	11
5	Twitter Account	KVK Narmada	01
6	Any other (Pl. Specify)		

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

<b>Sr. No.</b>	<b>Title of success story / case study identified</b>	<b>Proposed month for case/story to be prepared/ developed</b>
1.	Improved Variety of Soybean (NRC-37): A Promising variety to augment soybean productivity in tribal area	November - 2021
2.	Entrepreneurship development through Mushroom cultivation	December - 2021
3.	Entrepreneurship development through Dairy Farming	October - 2021
4.	Entrepreneurship development through Poultry	November - 2021
5.	Kitchen Gardening: Improve nutritional security and supplements house hold income	July-2021

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

**A. Practicing Farmers**

- a) PRA
- b) Group discussion
- c) Field level observation

**Rural Youth**

- a) PRA
- b) Group discussion
- c) Group meeting& Field level observation

**In-service personnel**

- a) Discussion with extension workers
- b) Discussion with line department officials
- c) Discussion with NGOs

**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

**For FLD:**

- i) New variety/technology
- ii) Poor yield at farmer's level
- iii) Existing cropping system

### 5.3. Field activities

#### i. Name of villages identified/adopted with block name (from 2018-19)

S. N.	Taluka	Name of the block	Name of the village
1	Nandod	Nandod	Boridra, Aamali, Nanichikhali, Motichikhali.
2	Tilakwada	Tilakwada	Nimpura, Bunjetha, Utavadi, Gamod.
3	Sagbara	Sagbara	Nanadoramba, Motadoramba, Makran, NanaKakadiamba, Bodvav, Panchpipli
4	Dediapada	Dediapada	Almavadi, Navagam, Panuda, Nani Bedvaan, Soliya, Relva Bharada, Sabuti, Mathasar, Kanzari, Kokam,Vandri, Tabda, Bhutbeda, Khabji.
5	Garudeshvar	Garudeshvar	Fulvadi, Suka, Motiraval, Kali Makvana

#### ii. No. of farm families selected per village:

No. of farm families	Name of the village
20	Boridra, Aamali, Nanichikhali, Motichikhali.
20	Nimpura, Bunjetha, Utavadi, Gamod.
20	Palasavada, Umaral, Navagam, Javali, Kolvan, Ubhariya, Kherdipada, Barktura,
40	Nanadoramba, Motadoramba, Makran, Nana Kakadiamba, Bodvav, Nevdiamba, Dudhlivel, Kel
25	Kunbar, Rohda, Mulkapada,Vadva, babda
20	RelvaBharada, Sabuti, Moskut,Gavalawadi
25	Mathasar, Kanzari, Pankhala, Kokam,Vandri.
20	Tabda, Zankh, Sajanavav, Bhutbeda.
20	Khadganda, Dhamdra, Dhaniyala, Dhavali, Sajanpura, Songam.
25	Junvad, Fulvadi, Motiraval,Motaraipura, Suka, Nava vaghpara

#### iii. No. of survey/PRA conducted: 05

#### iv. No. of technologies taken to the adopted villages: 15

ICM, IPM, INM, IDM, Organic farming, Soil & water conservation, High tech horticulture, Small scale nursery management, Value addition, Health & Nutrition, Women empowerment, Drudgery reduction technology, Breeding/feeding/Dairy management of milch animals, Capacity building and Group dynamics.

**v. Name of the technologies found suitable by the farmers of the adopted villages**

<b>Crops / enterprises</b>	<b>Names of Cluster Villages identified for intervention</b>	<b>Name of the technologies found suitable by the farmers of the adopted villages</b>
<b>Pigeon pea</b>	Naniraval, Kham, Bhutebeda, Panchpipli, Kel, Vandri, Borsan, , Gopaliya, Almawadi, Bhatpur, Nanibedwan,	Improved variety
<b>Chickpea</b>	Almawadi, Sejjpur, Bhatpur, Tabada, Zankh, Ghankhetar, Rozghat, Khabji, Gopaliya, Rakhaskundi, Navagam, Panuda, Panchpipli, Kel, Barktura, Nanibedwan,	Improved variety
<b>Green gram</b>	Vadva, Panuda, Navagam, Nivalda, Almavadi, Sejjpur, Khabji, Kevdi, Jambar, Chuli, Almawadi, Sejjpur, Bhatpur, Nanibedwan,	Improved variety
<b>Groundnut</b>	Soliya, Gopaliya, Borsan, Motiraval, Suka, Zankh, Ghantoli, Dudhliver, Kheidipada,	Improved variety
<b>Soybean</b>	Barktura, Nevliamba, Khaidipada, Motadoramba, Nanikakdiamba, Almawadi, Sejjpur, Bhatpur, Nanibedwan,	Improved variety
<b>Sesame</b>	Soliya, Khabji, Chuli, Vadva, Panuda, Motidevrupen, Bodvav, Moskut, Umaran	Improved variety
<b>Paddy (Drilled)</b>	Rozghat, Navagam, Nivalda, Dediapada, Nani chikhali, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Kham, Bhutbeda	Improved variety
<b>Paddy (T.P)</b>	Rozghat, Navagam, Nivalda, Dediapada, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Gopaliya, Kham, Bhutbeda, Almawadi, Sejjpur, Bhatpur, Nanibedwan, Pratapnagar,	Improved variety
<b>Maize</b>	Panuda, Navagam, Nivalda, Almavadi, Sejjpur, Khabji, Kevdi, Jambar, Chuli, Almawadi, Sejjpur, Bhatpur, Nanibedwan,	Improved variety
<b>Black gram</b>	Gopaliya, Kham, Bhutbeda, Almawadi, Sejjpur, Motasukaamba,	Improved variety
<b>Cotton</b>	Nanibedwan, Navagam, Nivalda, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Gopaliya, Kham, Bhutbeda, Almawadi, Sejjpur, Bhatpur, Naniraval, Amadala,	Improved variety
<b>Cotton (IPM)</b>	Almavadi, Nivalda, Soliya, Nanibedwan, Jargam, Ghankhetar, Bhutebeda, Kham, Tabada, Gopaliya	Pheromone trap with lures, Neem based pesticides, B. bassiana Acetamiprid.
<b>Paddy (IPM)</b>	Rozghat, Navagam, Nivalda, Dediapada, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Sejjpur, Gopaliya	Pheromone trap with lures, Neem based pesticides, B. bassiana



		Acetamiprid,
<b>Maize (IPM)</b>	Nimpura, Bunjetha, Utavadi, Gamod, Palasavada, Umaran, Navagam, Javali, Kolvan, Ubhariya. Kherdipada, Barktura, Nevdiamba, Dudhlivel, Kel	Neem based pesticides, <i>Metaraizium</i> and <i>B. bassiana</i> , Pheromone trap with lures, and Flubendiamide
<b>Brinjal</b>	Rakhaskundi, Nivalda, Sarvayi, Motasukaamba, Nanasukaamba, Khuradi, Besana, Gopaliya, Borasan, Jambar, Almavadi	Pseudomonas liquid
<b>Chilli</b>	Rakhaskundi, Nivalda, Sarvayi, Motasukaamba, Nanasukaamba, Khuradi, Besana, Gopaliya, Borasan, Jambar, Almavadi	Pseudomonas liquid
<b>Indian Bean</b>	Mathasar, Kanzari, Pankhala, Kokam, Vandri, Tabda, Zankh, Sajanaavav, Bhutbeda, Khabji., Nanisingloti, Khuradi, Nani bedwan	Improved variety
<b>Watermelon</b>	Plasavada, Navagam, Nani bedwan, Almavadi, Gopaliya, Borasan, Jambar, Kherdipada, Barktura, Nevdiamba, Dudhlivel, Kel,	Novel, Waste decomposer and bio compost.
<b>Greater yam</b>	Palasavada, Umaran, Navagam, Javali, Kolvan, Ubhariya. Vandri, Tabda, Zankh, Sajanaavav, Bhutbeda, Khabji.	Novel, waste decomposer and bio compost.
<b>Ajwain</b>	Palasavada, Umaran, Navagam, Javali, Kolvan, Ubhariya. Kherdipada, Barktura, Nevdiamba, Dudhlivel, Kel	Novel and vermi compost
<b>Banana</b>	Kherdipada, Barktura, Gopalpura, Kalimakwana, Zunda, Lacharas, Karatha	Improved variety
<b>Mango</b>	Kunbar, Rohda, Mulkapada, Vadva, Babda, Kherdipada, Barktura, Nevdiamba, Dudhlivel, Kel	Improved variety
<b>Cheated Mineral Mixture</b>	Tabda, Zankh, Ghankhetar, Rozghat, Bhutbeda, Khabji, Rakhaskundi, Navagam, Panuda, Panchpipli, Kel, Barktura,	Chelated Mineral Mixture
<b>Fodder Sorghum</b>	Vadva, Panuda, Navagam, Nivalda, Almavadi, Khabji, Kevdi, Jambar, Chuli	Fodder seed
<b>Rubber cow mat</b>	Rozghat, Navagam, Nivalda, Dediapada, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Sejpur, Gopaliya	Rubber cow met
<b>Mineral mixture licking block</b>	Tabda, Zankh, Ghankhetar, Rozghat, Bhutbeda, Khabji, Rakhaskundi, Navagam, Panuda, Panchpipli, Kel, Barktura,	Mineral mixture licking block
<b>Milking stand and stool</b>	Rozghat, Navagam, Nivalda, Dediapada, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Sejpur, Gopaliya	Milking stand and stool

<b>Paddy thresher with winnowing fan</b>	Rozghat, Navagam, Nivalda, Dediapada, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Sejpur, Gopaliya	Paddy thresher and fan
<b>Removal of stubble</b>	Rozghat, Navagam, Nivalda, Dediapada, Rakhaskundi, Jambar, Chuli, Panuda, Vandri, Sejpur, Gopaliya	Stalk pullover
<b>Weed management</b>	Tabda, Zankh, Ghankhetar, Rozghat, Bhutbeda, Khabji, Rakhaskundi, Navagam, Panuda, Panchpipli, Kel, Barktura,	Twin Wheel Hoe with four attachment

**vi. Impact (production, income, employment, area/technological– horizontal/vertical):**

Production will be increased by adopting new technologies and there by income too. Employment will also be increased due to vocational and skill development trainings. Detail impact analysis will be done.

**vii. Constraints if any in the continued application of these improved technologies:**

- Hilly area with undulating land
- Uneven distribution of rainfall
- Lack of irrigation facility
- Lack of scientific knowledge
- Mostly farmers are marginal with small land holding
- Low adoption rate

## **6. LINKAGES**

### **6.1. Functional linkage with different organizations**

<b>Sr. No.</b>	<b>Name of organization</b>	<b>Nature of Linkage</b>
<b>1.</b>	Line Departments of Government of Agriculture/ Horticulture/ Animal Husbandry/ Fishery / department	Khedutsibir, Animal health camp, Sponsored training. In-service trainings and other extension activities, technical support, Participation in meeting
<b>2.</b>	AKRSP (I), NGO, Dediapada	Sponsored training, Mahilasibir, technical support
<b>3.</b>	Main Water Management Research Unit, NAU, Navsari	Collaboration-FLD on Low-Cost Greenhouse
<b>4.</b>	Research Stations, NAU	Participation-Farmers day, Seed-FLDs, etc.
<b>5.</b>	FTC, Rajpipla	Experts lectures
<b>6.</b>	Missionary – NGO	Sponsored training programme, extension activities
<b>7.</b>	Integrated Child Development Services	Organizing In-service training for Anganwadi workers & Technical guest lecture for ICDS Training Centre.

8.	Navsari Agricultural University, Navsari	For Technical products, technical guidance and supports.
9.	Ananad Agricultural University, Anand	For Technical guidance and FLDs input
10.	Junagadh Agricultural University, Junagadh	For Technical guidance and FLDs input
11.	Reliance foundation, Netrang	For Trainings, extension activities and Self Employment training, seed mela
12.	Integrated water shed management programme, Dediapada	For Trainings, extension activities and Self Employment training
13.	Forest department, Dediapada	For Trainings, extension activities and Self Employment training
14.	Jilla ayojan vibhag, Narmada	For Trainings, extension activities and Self Employment training
15.	Prayojana vahivatdar kacheri, Rajpipla	For Trainings, extension activities and Self Employment training
16.	GSFC, Dediapada	For Trainings, extension activities and Self Employment training
17.	GNFC, Dediapada	For Trainings, extension activities and Self Employment training
18.	Fodder research centre, Dhamrod	For Trainings, extension activities and Self Employment training
20.	Salinity research centre, Bharuch	For Trainings, extension activities and Self Employment training
21.	District Industries Center, Narmada	For Trainings, extension activities and Self Employment training
22.	Indrekasanshthan, Dediapada	For Trainings, extension activities and Self Employment training
23.	Fisheries department, Dediapada	For Trainings, extension activities and Self Employment training
24.	NABARD Bank, Rajpipla	For Trainings, extension activities and Self Employment training
25.	Swarojgar gramin bank, Rajpipla	For Trainings, extension activities and Self Employment training

## 6.2. Details of linkage with ATMA

Sr. No.	Programme	Nature of linkage
1	Trainings	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
2	Farm school	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.

<b>3</b>	Kissan goshti	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
<b>4</b>	Krusha mela cum exhibition	Technical support, Experts lectures, Collaboration – Krishi Mahotsav, ATMA, RKVY, etc.
<b>5</b>	AGB meeting	Discussion for Annual Action plan
<b>6</b>	Quarterly meeting	Discussion Quarterly progress report and action plan

**6.3. Give details of programmes under National Horticultural Mission: NIL**

<b>S. No.</b>	<b>Programme</b>	<b>Nature of linkage</b>
<b>1.</b>	-	-

**6.4. Nature of linkage with National Fisheries Development Board: NIL**

<b>S. No.</b>	<b>Programme</b>	<b>Nature of linkage</b>
<b>1.</b>	-	-

**6.5. Additional Activities planned including sponsored projects (NARI/DAESI/DAMU/ DFI/PKVY/ Skill Trainings/TSP/KKA/Seed Hub on Pulses, etc.) schemes during 2021, if involved.**

<b>S. No.</b>	<b>Name of the agency / scheme</b>	<b>Name of activity</b>	<b>Technical programme with quantification</b>	<b>Financial outlay (Rs.)</b>	<b>Names of the team members involved</b>
<b>1</b>	DAMU (ICAR)	Training programme and Awareness programme	One	1,00,000/-	Senior scientist & head, All Scientist and Scientist (Agril. Metro.)

**6.5.1. Details of activities planned in Doubling Farmers' Income (DFI) villages**

<b>Name of DFI village selected</b>	<b>Total No. of families in the village</b>	<b>Interventions planned during 2021</b>	<b>No. of families to be covered under the intervention</b>	<b>Present annual income of the family (Rs/annum)</b>	<b>Expected annual income of the family after intervention (Rs/annum)</b>
Almawadi	400	<ul style="list-style-type: none"> <li>•Varietal replacement</li> <li>•Production technology of major crops especially INM</li> <li>•Eco-friendly plant protection measures</li> <li>•Water conservation</li> </ul>	125	25,000/- to 50,000/-	35,000/- to 70,000/-
Soliya	414	<ul style="list-style-type: none"> <li>•Arid horticulture</li> <li>•Dairy management through feeding, housing and Health management</li> <li>•Drudgery reduction</li> <li>•Women empowerment</li> </ul>	133	25,000/- to 50,000/-	35,000/- to 70,000/-

**6.5.2. Details of activities planned under NARI (Including FSN project)**

<b>Sr. No.</b>	<b>Name of the village</b>	<b>Activities planned</b>	<b>No. of families to be covered</b>
-	-	-	-

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

<b>Sr. No.</b>	<b>Name of the village</b>	<b>Activities planned</b>	<b>No. of families to be covered</b>
1.	Vandari	FLDs, Trainings, Field visits etc.	25
2.	Mathasar	FLDs, Trainings, Field visits etc	25
3.	Vedachha	FLDs, Trainings, Field visits etc	25
4.	Anadu	FLDs, Trainings, Field visits etc	25

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

<b>Sr. No.</b>	<b>Name of Job Role</b>	<b>Duration (No. of hours)</b>	<b>No. of participants</b>
1.	Dairy Entrepreneur	200	20
2.	Vermi compost producer	200	20

**6.5.5. Details of activities planned under TSP: N.A (As all activities will be under TSP)**

Sr. No.	Name of the village	Activities planned	No. of families to be covered
1.	-	-	-

**6.5.6. Details of activities planned under Krishi Kalyan Abhiyan (KKA)**

Sr. No.	Name of the village	Activities planned	No. of families to be covered
1.	Almavadi, Soliya, Nani bedvan, Jamni, Kheripada, Panch pipari and Baktura,	Training, FLDs, Field day, Scientific field visit etc. and other extension activities	300

**6.5.7. Details of seed production planned under Seed Hub on Pulses: NA**

Sr. No.	Name of the crop	Variety	Stage (Foundation / Certified)	Quantity of seed to be produced (q)
1.	-	-	-	-
			Total	

**6.6. Activities planned in respect of FPOs / FPCs**

1. No. of FPOs / FPCs to be formed: One
2. No. of existing FPOs / FPCs to be facilitated: 02
3. Type of support to be provided to existing FPOs / FPCs:

Sr. No.	Name of the FPO / FPC	No. of members	Major activities of FPO / FPC	Type of support to be provided by KVK
1.	Lilotri Pulse Production Company LTD.	25	Training, FLDs, Field day, Scientific field visit etc. and other extension activities	Technical guidance
2.	South Gujarat Progressive Farmer self-reliant Producer LTD.	25		

**6.7. Activities planned in respect of developing Integrated Farming System (IFS) Models on farmers' fields during 2021: IFS module is under observation**

Sr. No	Name of the village	No. of IFS models to be identified / developed	Major components of IFS model
1.	-	-	-

**7. Convergence with other agencies and line departments in the district:**

<b>Sr. No.</b>	<b>Name of the department / Agency</b>	<b>Type of convergence</b>	<b>Area (ha) / No. of farmers to be benefited</b>
<b>1.</b>	Line Departments of Government of Agriculture/ Horticulture/ Animal Husbandry/ Fishery / department	Technical guidance and Organization of various programmes	1200
<b>2.</b>	AKRSP (I), NGO, Dediapada		300
<b>3.</b>	Main Water Management Research Unit, NAU, Navsari		100
<b>4.</b>	Research Stations, NAU		100
<b>5.</b>	FTC, Rajpipla		500
<b>6.</b>	Missionary – NGO		500
<b>7.</b>	Integrated Child Development Services		250
<b>8.</b>	Navsari Agricultural University, Navsari		500
<b>9.</b>	Ananad Agricultural University, Anand		300
<b>10.</b>	Junagadh Agricultural University, Junagadh		200
<b>11.</b>	Reliance foundation, Netrang		300
<b>12.</b>	Integrated water shed management programme, Dediapada		300
<b>13.</b>	Forest department, Dediapada		300
<b>14.</b>	Jilla ayojan vibhag narmada		100
<b>15.</b>	Prayojana vahivatdar kacheri, Rajpipla		100
<b>16.</b>	GSFC, Dediapada		100
<b>17.</b>	GNFC, Dediapada		200
<b>18.</b>	Fodder research Centre, Dhamrod		100
<b>20.</b>	Salinity research Centre, Bharuch		100
<b>21.</b>	District Industries Center, Narmada		100
<b>22.</b>	Indreka sanshthan, Dediapada		100
<b>23.</b>	Fisheries department, Dediapada		200
<b>24.</b>	NABARD Bank, Rajpipla		100
<b>25.</b>	Swarojgar gramini bank, Rajpipla		100

**8. Innovator Farmer's Meet 2021**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Details</b>	<b>Expected No. of participants</b>
<b>1.</b>	Khedut Shibir for Farm innovators were organized	November - 2021	50

**9. Utilization of hostel facilities**

<b>Sr. No.</b>	<b>Month</b>	<b>No. of days to be utilized</b>
<b>1.</b>	January	25
<b>2.</b>	February	25
<b>3.</b>	August	25
<b>4.</b>	September	25
<b>5.</b>	November	25
	<b>Total</b>	<b>125</b>

**10. Details of online activities planned (If any)**

<b>Sr. No.</b>	<b>Type of activities</b>	<b>No. of programmes</b>	<b>Mode of implementation (Video conferencing / Audio Conferencing / Facebook Live / YouTube Live, etc)</b>	<b>No. of participants to be covered</b>
<b>1.</b>	Farmers trainings	05	Video conferencing / Audio Conferencing	125
<b>2.</b>	Farmers scientist's interaction programme	08	Video conferencing / Audio Conferencing	160
<b>3.</b>	Farmers seminars	04	Video conferencing	120
<b>4.</b>	Expert lectures	15	Video conferencing / Audio Conferencing	400
<b>5.</b>	Any other (Pl. specify)			

**11. Details of collaborative applied research projects planned if any**

<b>Sr. No.</b>	<b>Name of the research project</b>	<b>Funding agency</b>	<b>Collaborating organizations</b>	<b>Year of commencement</b>	<b>Major activities planned</b>
1.	Establishment of agriculture research station Dediapada	NAU, Navsari	NAU, Navsari	2008-09	Research, Training, FLDs, Field day, Scientific field visit etc. and other extension activities
2.	Tribal Women Training Centre	NAU, Navsari	NAU, Navsari	2012-13	



## Training Programme

## i) Farmers &amp; 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										
1 to 4-7-2021	PF/FW	Weed management in kharif crop	4	20	10	30	20	10	30	30
5 to 9-8-2021	PF/FW	Integrated Farming	4	20	10	30	20	10	30	30
17 to 20-8-2021	PF/FW	Integrated crop Management	4	20	10	30	20	10	30	30
1 to 4-9-2021	PF/FW	Production and use of organic inputs	4	20	10	30	20	10	30	30
Horticulture										
9 to 12-3-2021	PF/FW	Off-season vegetables	4	20	10	30	20	10	30	30
10 to 13-4-2021	PF/FW	Protective cultivation (Green House, Shade Net etc.	4	20	10	30	20	10	30	30
18 to 21-5-2021	PF/FW	Cultivation of fruit	4	20	10	30	20	10	30	30
2 to 5-6-2021	PF/FW	Management of young plants/orchards	4	20	10	30	20	10	30	30
16-to19-7-2021	PF/FW	Production and Management technology	4	20	10	30	20	10	30	30
23 to 26-9-2021	PF/FW	Nursery Management of vegetable crop	4	20	10	30	20	10	30	30
Livestock production										
2 to 5-6-2021	PF/FW	Dairy Management	4	20	10	30	20	10	30	30
16-to19-7-2021	PF/FW	Poultry Management	4	20	10	30	20	10	30	30
23 to 26-9-2021	PF/FW	Goat Management	4	20	10	30	20	10	30	30
10 to13-10-2021	PF/FW	Health care and Disease Management	4	20	10	30	20	10	30	30
22 to25-10-2021	PF/FW	Feed Management	4	20	10	30	20	10	30	30

8 to 11-11-2021	PF/FW	Production of quality animal production	4	20	10	30	20	10	30	30
<b>Agril. Engineering</b>										
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
<b>Home Science</b>										
4 to 7-6-2021	PF/FW	Household food security by kitchen gardening and nutrition gardening	4	20	10	30	20	10	30	30
12 to 15-6-2021	PF/FW	Design and development of low/minimum cost diet	4	20	10	30	20	10	30	30
9 to 12-7-2021	PF/FW	Value addition in fruits and vegetables	4	20	10	30	20	10	30	30
20 to 23-7-2021	PF/FW	Location specific drudgery reduction technology	4	20	10	30	20	10	30	30
8 to 11-10-2021	PF/FW	Rural art/craft preparation from natural fibre	4	20	10	30	20	10	30	30
11 to 14-11-2021	PF/FW	Women and child care	4	20	10	30	20	10	30	30
<b>Plan protection</b>										
14 to 17-7-2021	PF/FW	Integrated Disease Management in kharif crops	4	20	10	30	20	10	30	30
25 to 30-7-2021	PF/FW	Integrated Pest Management in kharif crops	4	20	10	30	20	10	30	30
24 to 27-9-2021	PF/FW	Integrated Disease Management in rabi/summer crops	4	20	10	30	20	10	30	30
15 to 18-10-2021	PF/FW	Integrated Pest Management in rabi/summer crops	4	20	10	30	20	10	30	30
1 to 4-11-2021	PF/FW	Bio-control of pests and diseases	4	20	10	30	20	10	30	30
21 to 24-11-2021	PF/FW	Production of bio control agents and bio pesticides	4	20	10	30	20	10	30	30
<b>Fisheries</b>										
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-

<b>Extension education</b>										
5 to 8-5-2021	PF/FW	Leadership development	4	20	10	30	20	10	30	30
24 to 27-9-2021	PF/FW	Formation and Management of SHGs	4	20	10	30	20	10	30	30
15 to 18-10-2021	PF/FW	Mobilization of social capital	4	20	10	30	20	10	30	30
2 to 5-9-2021	PF/FW	Entrepreneurial development of farmers/youths	4	20	10	30	20	10	30	30

## ii) Farmers & Farm women (Off Campus)

Date	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
4 to 7-8-2021	PF/FW	Weed management in rabi crops	1	25	25	50	25	25	50	50
16 to 19-9-2021	PF/FW	Resource Conservation Technologies	1	25	25	50	25	25	50	50
1 to 4-10-2021	PF/FW	Cropping Systems	1	25	25	50	25	25	50	50
10 to 13-10-2021	PF/FW	Integrated Farming	1	25	25	50	25	25	50	50
17 to 20-10-2020	PF/FW	Integrated Crop Management	1	25	25	50	25	25	50	50
19 to 21-12-2021	PF/FW	Use and Production of organic inputs	1	25	25	50	25	25	50	50
Horticulture										
19 to 21-3-2021	PF/FW	Nursery raising	1	25	25	50	25	25	50	50
1 to 4-4-2021	PF/FW	Exotic vegetables	1	25	25	50	25	25	50	50
20 to 23-4-2021	PF/FW	Export potential vegetables	1	25	25	50	25	25	50	50
15 to 18-5-2021	PF/FW	Scientific Cultivation in mango	1	25	25	50	25	25	50	50

17 to 20-6-2021	PF/FW	Export potential fruits	1	25	25	50	25	25	50	50
12 to 15-7-2021	PF/FW	Plant propagation techniques	1	25	25	50	25	25	50	50
4 to 7-8-2021	PF/FW	Nursery Management	1	25	25	50	25	25	50	50
14 to 17-10-2021	PF/FW	Nursery management of medicinal and aromatic in polyhouse	1	25	25	50	25	25	50	50
<b>Soil Health and Fertility Management</b>										
4 to 7-9-2021	PF/FW	Integrated Nutrient Management	1	25	25	50	25	25	50	50
14 to 17-10-2021	PF/FW	Soil and Water testing	1	25	25	50	25	25	50	50
<b>Live Stock Production.</b>										
4 to 7-8-2021	PF/FW	Dairy management and Clean milk production	1	25	25	50	25	25	50	50
15 to 18-8-2021	PF/FW	Poultry Management	1	25	25	50	25	25	50	50
25 to 28-9-2021	PF/FW	Goat Management	1	25	25	50	25	25	50	50
1 to 4-10-2021	PF/FW	Health care and Disease Management in goat	1	25	25	50	25	25	50	50
13 to 16-10-2021	PF/FW	Health care and Disease Management in poultry	1	25	25	50	25	25	50	50
19 to 21-11-2021	PF/FW	Animal Nutrition Management	1	25	25	50	25	25	50	50
26 to 29-11-2021	PF/FW	Feed & fodder technology	1	25	25	50	25	25	50	50
4 to 7-12-2021	PF/FW	Production of quality animal products	1	25	25	50	25	25	50	50
<b>Agril. Engg.</b>										
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-
-	PF	-	-	-	-	-	-	-	-	-

-	PF	-	-	-	-	-	-	-	-	-
<b>Home Sc.</b>										
13 to 16-3-2021	PF/FW	Gender mainstreaming through SHGs	1	25	25	50	25	25	50	50
14 to 17-3-2021	PF/FW	Value addition and fruit preservation	1	25	25	50	25	25	50	50
1 to 4-4-2021	PF/FW	Location specific drudgery reduction technologies	1	25	25	50	25	25	50	50
26 to 29-5-2021	PF/FW	Minimization of nutrient loss during processing/cooking	1	25	25	50	25	25	50	50
27 to 30-5-2021	PF/FW	Nutritional security through kitchen gardening	1	25	25	50	25	25	50	50
4 to 7-6-2021	PF/FW	Women empowerment	1	25	25	50	25	25	50	50
25 to 28-8-2021	PF/FW	Women and child care	1	25	25	50	25	25	50	50
26 to 29-8-2021	PF/FW	Design and development of nutritious diets from millets	1	25	25	50	25	25	50	50
<b>Plant Protection</b>										
13 to 16-3-2021	PF/FW	Integrated Pest Management	1	25	25	50	25	25	50	50
20 to 23-3-2021	PF/FW	Integrated insect pests management in cotton	1	25	25	50	25	25	50	50
1 to 4-4-2021	PF/FW	Integrated disease management of rabi crops	1	25	25	50	25	25	50	50
26 to 29-5-2021	PF/FW	Integrated Disease Management	1	25	25	50	25	25	50	50
4 to 7-6-2021	PF/FW	Production of bio control agents and bio pesticides	1	25	25	50	25	25	50	50
18 to 21-8-2021	PF/FW	Production of bio control agents and bio pesticides	1	25	25	50	25	25	50	50
25 to 28-8-2021	PF/FW	Bio-control of pests and diseases	1	25	25	50	25	25	50	50
9 to 12-9-2021	PF/FW	Bio control of crop pests - Conservation of natural enemies	1	25	25	50	25	25	50	50
<b>Fisheries</b>										
-	PF	-	-	-	-	-	-	-	-	-

-	PF	-	-	-	-	-	-	-	-	-
<b>Production of Inputs at site</b>										
26 to 29-5-2021	PF/FW	Vermi-compost production (Hort.)	1	25	25	50	25	25	50	50
4 to 7-6-2021	PF/FW	Organic manures production (A.S.)	1	25	25	50	25	25	50	50
<b>Extension education</b>										
13 to 16-3-21	PF/FW	Leadership development	1	25	25	50	25	25	50	50
26 to 29-5-21	PF/FW	Group dynamics	1	25	25	50	25	25	50	50
4 to 7-8-2021	PF/FW	Formation and Management of SHGs (HS)	1	25	25	50	25	25	50	50
5 to 11-8-2021	PF/FW	Entrepreneurial development of youths (Agro.)	1	25	25	50	25	25	50	50
<b>Agro-forestry</b>										
26 to 29-5-21	PF/FW	Integrated Farming Systems (Agro.)	1	25	25	50	25	25	50	50

## 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	
Mushroom unit	Income generation by imparting skill training.	Low cost Mushroom cultivation	Feb.	4	20	05	25	20	05	25	25
Product development	Income generation by imparting skill training.	Nutritious product development through millets	Mar.	4	20	05	25	20	05	25	25
Small scale Processing	Income generation by imparting skill training.	Processing of pigeon pea and moong	Jan.	4	20	05	25	20	05	25	25
Goat rearing	Entrepreneurship development	Goat rearing	Oct.	4	20	05	25	20	05	25	25

**iii) Training programme for extension functionaries**

Date	Clientele	Title of the training programme	Duration (days)	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
09-05-21	PF	Integrated Pest Management	1	00	30	30	00	30	30	30
13-07-21	PF	Integrated Nutrient management	1	30	00	30	30	00	30	30
16-09-2021	PF	Household food security	1	00	20	20	0	20	20	20
23-10-2021	PF	Women and Child care	1	00	30	30	0	30	30	30

**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											
1	ATMA, reliance Foundation, AKRSP, TSP-NAU	-	Scientific cultivation of various Crops, Integrated disease and Pest management of crops, Value addition	20	300	150	450	300	150	450	450
			Total	20	300	150	450	300	150	450	450
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

**Details of Budget Estimate (2021-22) based on proposed action plan**

<b>S. No.</b>	<b>Particulars</b>	<b>Proposed BE 2021-22 (Rs.)</b>
<b>1</b>	<b>Recurring Contingencies</b>	
1.1	<b>Pay &amp; Allowances</b>	<b>111.95</b>
1.2	<b>Traveling allowances</b>	<b>03.00</b>
1.3	<b>Contingencies</b>	
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	<b>28.50</b>
<i>B</i>	POL, repair of vehicles, tractor and equipments	
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	
<i>G</i>	Training of extension functionaries	
<i>H</i>	Maintenance of buildings	
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory	
<i>J</i>	Library	
	<b>TOTAL Recurring Contingencies</b>	<b>143.45</b>
<b>2</b>	<b>Non-Recurring Contingencies</b>	
2.1	<b>Works (Shed and Boundary)</b>	<b>50.50</b>
2.2	<b>Equipments/implements etc (Tractor)</b>	<b>12.00</b>
2.3	<b>Vehicle</b> (Four-wheeler/Two-wheeler, please specify)	<b>0.00</b>
2.4	<b>Library</b> (Purchase of assets like books & journals)	<b>0.00</b>
	<b>TOTAL Non-Recurring Contingencies</b>	<b>62.50</b>
<b>3</b>	<b>REVOLVING FUND</b>	<b>0.00</b>
	<b>GRAND TOTAL</b>	<b>205.95</b>