

ANNUAL ACTION PLAN

NGO & ICAR KVKs

2018-19



**ICAR-Agricultural Technology Application Research Institute,
Indian Council of Agricultural Research
Zone IX, Jabalpur, M.P.**

CONTENTS

S. No.	Particulars	Page No.
1.	KVK, Bhopal (ICAR)	1-30
2.	KVK, Bankhedi	31-60
3.	KVK, Burhanpur	61-117
4.	KVK, Indore	118-158
5.	KVK, Raisen	159-207
6.	KVK, Ratlam	208-249
7.	KVK, Satna	250-327
8.	KVK, Sehore	328-398

1. KVK, Bhopal

PERIOD – April 2018to March, 2019
Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
OFTs	14	70			
FLDs – Oilseeds (activity in ha)	1	75			
FLDs – Pulses (activity in ha)	-	-			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	4	20			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	14	70			
Training-Farmers and farm women	48	960			
Training-Rural youths	9	180			
Training- Extension functionaries	4	80			
Extension Activities	380	2500			
Seed Production (Number of activity as seeds in quintal)	-	-			
Planting material	5	150			
Seedling Production (Number of activity as number of seedlings in numbers)onion,tomato , Brinjaletc	4500	100			
Sapling Production (Number of activity as number of sapling in numbers)	-	-			
Other Bio- products (No. of quantity)	-	-			
Live stock products	-	-			
Activities of Soil and Water Testing Laboratory	-	-			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	125	59000			
SAC Meeting (Date & no. of core/ official members)	2	50			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Literature to be Developed/Published	4	1500			
News letter	-				
CD	2				
Technical bulletin Publication	4				
Convergence programmes / Sponsored programmes	3	60			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	-	-			
Details of KVK Agro-technological Park	5	500			
Crop Cafeteria-Okra, onion, garlic	5	500			
Farm Innovators- list of 10 farm innovators from the District	-	-			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	5	Mass			
KVK Progressive Farmers interaction	2	50			
Outreach of KVK in the District (No. of blocks, no. of villages)	2	20			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	3	10			
Important visitors to KVK	3	6			
Status of KVK Website	-	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	3	150			
Interventions on Drought Mitigation	1	50			
Proposal of NAIP	-	-			
Proposal of NICRA	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date 1/04/2018)

Sanctioned Post	Name of the Incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present Band-pay	Date of joining	Per./Temp.	Category
Programme Coordinator	Dr. U.R. Badegaonkar	Agril. Engg	Ph.D.	Farm Machinery	37400-67000 GP - 10000	57600	16.12.2016	Temp	Gen.
Subject Matter Specialist1	VACANT	Agril. Engg	-	-	-	-	-	-	-
Subject Matter Specialist2	Sh. R. S. Yadav	Horticulture	M. Sc.	Horticulture	PB-3 (15600-39100)Level-10	98400	25.01.88	<u>Upto July-2018</u>	OBC
Subject Matter Specialist3	Smt. S. K. Bharti	Home Science	M.H.Sc.	Home Sci.	PB-3 (15600-39100)Level-10	98400	10.07.90	Permanent	ST
Subject Matter Specialist4	Sh. R. D. Soni	Agronomy	M.Sc	Agronomy	PB-3 (15600-39100)Level-10	98400	27.03.96	Permanent	OBC
Subject Matter Specialist5	VACANT	Animal Husbandary	-	.	-	-	-	-	-
Subject Matter Specialist6	VACANT	Soil Science	-	.	-	-	-	-	-
Programme Assistant	Sh. A. L. Sharma	FMP	ITI	Farm Machinery	PB-2 (9300-34800) Level-6	46200	22.12.87	Permanent	OBC
Programme	VACANT		-	.	-	-	-	-	-

Sanctioned Post	Name of the Incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present Band-pay	Date of joining	Per./Temp.	Category
assistant									
Computer Programmer	VACANT	Administrative	-	.	-	-	-	-	-
Accountant / Supern.	VACANT		-	.	-	-	-	-	-
Stenographer	VACANT		-	.	-	-	-	-	-
Driver	R.BalaMurugan	Driver	Diploma	Automobile	PB-2 (9300-34800) Level-6	46200	9.02.2013	permanent	OBC
Driver	VACANT		-	.	-	-	-	-	-
Supporting staff	VACANT		-	.	-	-	-	-	-
Supporting staff	Sh. Phool Singh	Messenger	8 th	-	PB-1 (5200-20200) Level-4	38600	10.05.2012	Permanent	SC

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

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

Topography and Climatic Features

The region comes under the Agro-climatic zone of Vindhyan plateau which is characterized by undulating topography with hot sub-humid climate. The slope of major part of the district (76.8%) falls under very gently to gently sloping class. About 23% of the land has rugged terrain having 8-15% slope. At Places, 30-50% slope is also observed which the main erosion contributing areas are.

The district receives an average annual rainfall of 1200 mm spread over to 50 to 60 rainy days. On an average 90% of the annual rainfall is received from the south-west monsoon mostly during June to September with coefficient of variation of 42.3 to 63% indicating better possibility of its occurrence. The remaining 10% of the rainfall is received in Rabi, which is quite unreliable and erratic and crop needs artificial application of water. The probability of consecutive occurrence of rainfall for 1 to 5 days period was observed to be about 343 to 565 mm at 10 year recurrence interval. This indicated high intensity of rainfall and need for large capacity drains during kharif.

SOIL

Character	1	2	3	4	5
Soil Type	Medium black	Deep black	Light black	Medium black	Deep black

Character	1	2	3	4	5
Texture	Clay loam	Clayey	Clay loam with lime Kanker and stoney	Clay loam	Clayey
Farming Situation	Rainfed	Rainfed	Rainfed	Irrigated	Irrigated
Topography	Flat	Flat	Flat to slight undulating	Flat	Flat
Soil depth	Medium	Deep	Shallow	Medium	Deep
Soil Reaction	Neutral	Neutral	Neutral	Neutral	Neutral
Erosion	Negligible	Negligible	Slight	Negligible	Negligible
Fertility Status	Moderate	Medium	Poor	Moderate	Moderate
Cropping System	Soy-Chickpea Soy-Lentil, Soy-Wheat	Soy-Wheat Soy-Chickpea	G. Nut-Chickpea Soy- Chickpea/ Pigeon pea	Soy-Wheat Soy- Veg.	Soy-Wheat Veg.-Veg.

Per-capita land availability

Tehsil	Marginal (1 ha)	Small (1-4 ha)	Medium (4-10 ha)	Large (7-10 ha)	Total
Berasia	16476	7936	88	6	24506
Huzur	16497	4281	63	33	20874
Total	32973	12217	151	39	45380

S. No	Agro-climatic Zone	Characteristics
1	Vindhyan Plateau Zone	Undulating topography with hot sub-humid climate

S. No	Agro ecological situation	Characteristics
1	Shallow black soil with high rainfall of 1000-1300 mm	Low fertility status of soil – Soybean + Arhar followed by Gram/Wheat/Lentil are major crops. Major Area under Phanda block (15% area)
2	Medium to deep black soil with moderate rainfall (800-1000 mm)	Rainfed wheat crop of good quality. Soybean + Arhar/Maize intercropping and Soybean-Wheat/Gram/Lentil Major Area under Berasia block (90% area)
3	Red yellow and light textured soil with moderate rainfall (800-1000 mm)	Soybean/Maize/Arhar - Wheat/Gram/Lentil Groundnut is also grows in some area. Major Area under Berasia block (10% area)

Soil types

S. No	Soil type	Characteristics	Area in ha
1	Medium to Deep Vertisol	Clayey Texture and Neutral pH Poor Drainage Porosity (7%) Poor in available N, Medium P & rich in K content	2.14 lakh

1.3. DETAILS OF ADOPTED VILLAGES during 1.4.2018 to 31.3.2019 (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Sagoniya	2017-18	Phanda	19	344	42
Prempura	2017-18	Phanda	40	1602	271
Karariya	2017-18	Berasia	40	995	95
Rapadiya	2017-18	Phanda	23	775	96
Borda	2018-19	Phanda	35	1143	47
Bhaironpura	2017-18	Phanda	10	2480	89

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
BHOPAL	1. Farm Mechanization 2. Resource Conservation 3. IPM & IPNM 4. Entrepreneurship Development 5. Post-harvest technology and value addition 6. Crop Diversification 7. Skill Development 8. Food and nutritional security

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified	Methods of problem identification	Location Name of Village & Block
<ul style="list-style-type: none"> Low productivity Low profitability Excessive use of inputs Lack of crop diversification Crop Rotation 	<ul style="list-style-type: none"> Communication with local farmers in field Day programmes, Melas etc. State government organizations in extension activities. Feedback from Progressive farmers Interactions with farmers while Scientist visit 	Sagoniya (Phanda) Karariya (Bersia) Prempura (Phanda) Rapadiya (Phanda) Borda (Phanda)
<ul style="list-style-type: none"> Straw Burning 		Bhaironpura (Phanda)

Problem identified	Methods of problem identification	Location Name of Village & Block
<ul style="list-style-type: none"> Seed Replacement Inadequate and imbalanced use of plant nutrients. High incidence of pests and diseases Non-optimal geometry and plant population 	to farmer's fields. <ul style="list-style-type: none"> Scientific Advisory Committee Meeting Interaction while trainings of Extension Functionaries. Communication with local farmers in field Day programmes. PRA techniques/Farmers meeting 	Sagoniya (Phanda) Borda(Phanda) Rapadiya (Phanda)
<ul style="list-style-type: none"> Delayed harvesting Storage Losses Poor and in-efficient water management Heavy weed infestation 		Borda (Phanda) Prempura (Phanda) Sagoniya (Phanda)
<ul style="list-style-type: none"> Decrease in use of organic resources Depletion of ground water resources leading to poor irrigation potential 		Sagoniya (Phanda) Karariya (Bersia) Prempura (Phanda)

2. On Farm Testing

2.1 Information about OFT to be conducted

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target (Area- ha)	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)	
									FP T1	T2	T- 3	T1	T2
2018 Kharif	Low Production & Productivity due to Weeds & Higher Seed Rate	Assessment (Ist Year)	AEG FM	Soybean	Rain fed	4.0	10	Assessment of CIAE Pre- emergence Herbicide Strip Applicator- cum-planter					
2018 Kharif	Low Production & Productivity due to Higher Seed Rate	Assessment (IInd Year)	AEG FM	Maize	Irrigated	4.0	10	Assessment of CIAE Inclined plate planter					

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target (Area- ha)	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)	
									FP T1	T2	T- 3	T1	T2
2018 Kharif	Poor Yield due to heavy Weed Infestation	Assessment (Ist Year)	AEG FM	Soybean	Rain fed	4.0	10	Assessment of CIAE Intra- RowPower Weeder					
2018 Kharif	Poor Fertilizer Use Efficiency	Assessment (Ist Year)	AEG FM	Soybean	Rain fed	4.0	10	Assessment of CIAE T/D seed- cum-Fert-drill with two stage fertilizer application					
2018 Kharif	Low yield of Soybean due to use of old variety and own seed	Assessment (IInd Year)	VE	Soybean	Rain fed	4.0	10	Assessment of Soybean variety RVS- 2001-4 / JS/20-69/20- 98in Vertisol					
2018 Kharif	Low yield of Maize due to use of old variety and own seed	Assessment (IInd Year)	VE	Maize	Rain fed	4.0	10	Assessment of Maize variety JM-216					
2018 Rabi	Poor Soil Organic status, Straw Burning	Assessment (IInd Year)	AEG FM	Wheat	Irrigated	2.0	5	Assessment of Zero-Till Drill for Heavy Residue Conditions					
2018 Rabi	Low Productivity and Irrigation	Assessment (Ist Year)	AEG FM	Gram	Irrigated	4.0	10	Assessment of Raised- Bedplanter in					

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target (Area- ha)	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)	
									FP T1	T2	T- 3	T1	T2
								Gram					
2018 Rabi	Low Water Productivity and Lower Production in Chilli/Tomato	Assessment (1st Year)	AEG FM INM	Chili/Tomato	Irrigated	2.0	5	Assessment of plastic mulching machine with water and nutrient management					
2018 Rabi	Low yield of wheat crop due to use of local seed	Assessment (1st Year)	VE	Wheat	Irrigated	5.0	10	Assessment of wheat-variety HI-8713/MP- 1255 under irrigated condition					
2018 Rabi	Low yield of gram due wilt infestation	Assessment (IInd Year)	VE	Gram	Rain-fed	5.0	10	Assessment of management of wilt in gram (RVG-201/202)					
2018 Rabi	Traditional method of post harvest processing	Assessment (1st Year)	AEG FM WOE	Veg/Fruit	Semi irrigated	2	05	Assessment of Veg/Fruit grader for grading of Onion/Tomato					
2018 Rabi	Low efficiency & high drudgery of farm women	Assessment (1st Year)	AEG FM WOE	Sweet Corn	Irrigated	2	05	Assessment of manual rotary dibbler for drudgery reduction of farm women.					

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target (Area- ha)	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)	
									FP T1	T2	T- 3	T1	T2
2018 Rabi	Low efficiency & high drudgery of farm women	Assessment (1st Year)	AEG FM WOE	Veg/Fruit	Irrigated	2	05	Assessment of CIAE hand held vegetable transplanter					

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Dept. Personnel
Assessment of CIAE Pre-emergence Herbicide Strip Applicator-cum-planter		
Assessment of CIAE Inclined plate planter		
Assessment of CIAE Intra-Row Power Weeder		
Assessment of CIAE T/D seed-cum-Fert-drill with two stage fertilizer application		
Assessment of Soybean variety RVS-2001-4 / JS/20-69/20-98in Vertisol		
Assessment of Maize variety JM-216		
Assessment of Zero-Till Drill for Heavy Residue Conditions		
Assessment of Raised-Bedplanter in Gram		
Assessment of plastic mulching machine with water and nutrient management		
Assessment of wheat-variety HI-8713/MP-1255 under irrigated condition		
Assessment of management of wilt in gram (RVG-201/202)		
Assessment of Veg/Fruit grader for grading of Onion/Tomato		
Assessment of manual rotary dibbler for drudgery reduction of farm women.		
Assessment of CIAE hand held vegetable transplanter		

2.2 Economic Performance

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Assessment of CIAE Pre-emergence Herbicide Strip Applicator-cum-planter												
Assessment of CIAE Inclined plate planter												
Assessment of CIAE Intra-Row Power Weeder												
Assessment of CIAE T/D seed-cum-Fert-drill with two stage fertilizer application												
Assessment of Soybean variety RVS-2001-4 / JS/20-69/20-98in Vertisol												
Assessment of Maize variety JM-216												
Assessment of Zero-Till Drill for Heavy Residue Conditions												
Assessment of Raised-Bedplanter in Gram												
Assessment of plastic mulching machine with water and nutrient management												
Assessment of wheat-variety HI-8713/MP-1255 under irrigated condition												
Assessment of management of wilt in gram (RVG-201/202)												
Assessment of Veg/Fruit grader for grading of Onion/Tomato												

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Assessment of manual rotary dibbler for drudgery reduction of farm women.												
Assessment of CIAE hand held vegetable transplanter												

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2017-18)

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Soybean	VE 10	Soybean (variety: JS-97-52)	Extension Literature	40	400	800
Wheat	AEG FM	Straw Reaper	Training, demonstration	225	5000	10000
Vermicompost production	Organic Farming	Use of Eiseniafetidia spp. Of earth worm @ 2 kg for 2 q dry bio weight	Extension Literature, Training, demonstration	43	330	330 units
Wheat	VE	RVW-4106	Extension Literature	3	12	5.2
Wheat	AEG FM	Zero Till Sowing	Training, demonstration	4	115	125
Onion(Kharif)	HOV	Variety AFDR	Training, demonstration	3	20	2.0
Soybean/ Wheat	AEG FM	Pedal-cum-Power Operated Cleaner Grader	Training, demonstration	45	235	465

3.2 Details of FLDs to be implemented during 2018-19

Thematic area	Name of Crop/ Enterprise	Season and year (2017-18)	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
AEG FM	Soybean/Maize/Pigeon pea	Kharif	Deep Ploughing	5.0	Reversible MB Plough								
AEG FM	Soybean	Kharif	Raised-Bed Planter	5.0	SFD								
AEG FM	Paddy	Kharif	Paddy Drum Seeder	5.0	Paddy								
AEG FM	Wheat	Rabi	Happy Seeder	5.0	SFD								
AEG FM	Wheat	Rabi	Zero-Till Drill	5.0	SFD								
AEG FM	Soybean/Maize/Pigeopea	Kharif	Rotavator	5.0	Rotavator								
AEG FM		Rabi	Laser Land Leveller	5.0	Laser Leveller								
AEG FM	Wheat	Rabi	Straw Reaper	2.5	Straw Reaper								
Income generation	Soybean/Pigeon pea	Kharif	Pedal/ Power Operated Cleaner Grader	15 No.	Cleaner Grader								
Income generation	Wheat/Gram	Rabi	Pedal/ Power Operated Cleaner Grader	15 No.	Cleaner Grader								
WOE	Groundnut	Kharif	Groundnut Decorticator	50 No.	Groundnut Decorticator								
AEG FM	Garlic	Kharif	Garlic Planter	5.0	Garlic Planter								
VE	Soybean	Kharif	Varietal demonstration	4.0	Soybean JS-97-52								

Thematic area	Name of Crop/ Enterprise	Season and year (2017-18)	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
VE	Wheat	Rabi	Improved RVW - 4106 + Farm Machinery	5.0	RVW - 4106								
VE	Gram	Rabi	Varietal demonstration RVKG-101	5.0	RVKG-101								
Income generation	Vermicompost production	Kharif	Use of Eiseniafetidia spp. Of earth worm @ 2 kg for 2 q dry bio weight Ready within 90 days	5	Vermicompost production								
Nutritional Security of Farm Women at household level	Backyard nutritional kitchen garden	Kharif& Rabi	Demonstration of performance of backyard nutritional kitchen garden	100 sqm (5)	Backyard nutritional kitchen garden								
Income generation	Soybean	Kharif 2016	Demonstration on Cottage Scale Soy-Milk and TOFU Preparation	5	Cottage Scale Soy-Paneer Plant								

3.3 Economic Impact of FLD

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Garlic	T/D Garlic Planter	Field Capacity, Cost of Operation, Germination %, Plant population/sq.m, Yield q/ha B:C Ratio										
Soybean	Varietal Demonstration	Plant population/sq.m, Weeds, No. of pod/ plant, 1000 grain wt., Yield q/ha										
Paddy	Paddy Drum Seeder	Field Capacity, Cost of Operation, Yield q/ha, B:C Ratio										
Wheat	Happy Seeder	Field Capacity, Cost of Operation, Yield q/ha										
Wheat	Zero-Till Drill	Field Capacity, Cost of Operation, 1000 grain wt., Yield q/ha										
Soybean	Raised Bed Planter	Plant population/sq.m No. of pods/ plant 1000 grain wt., Yield q/ha, B:C Ratio										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Soybean, Wheat, Gram, Pigeon-pea	Rotavator	Field Capacity, Cost of Operation, Yield q/ha B:C Ratio										
Soybean, Wheat, Gram, Pigeon-pea	Laser Land Leveller	Field Capacity, Cost of Operation, Yield q/ha B:C Ratio										
Wheat	Straw Reaper	Field Capacity, Straw Recovery, Cost of Operation, Profit										
Soybean, Pigeon-pea	Pedal/ Power Operated Cleaner Grader	Grading Efficiency, , Cost of Grading, B:C Ratio										
Gram, Wheat	Pedal/ Power Operated Cleaner Grader	Grading Efficiency, , Cost of Grading, B:C Ratio										
Groundnut	Groundnut Decorticator	Capacity, Shelling Efficiency, Broken, Cost of Operation										
Soybean	JS 97-52	Plant population/sq..m No. of pod/ plant 1000 grain wt. g Yield q/ha										
Wheat	Improved RVS - 4106 + Farm Machinery	No. of grains/ear head 1000 grain wt, g Yield q/ha										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Gram	Varietal demonstration RVKG-101	No of pod/plant 1000 grain wt, Yield q/ha										
Vermicomposting	Thermophilic followed by Mesophilic decomposition	Duration of composting, Yield improvement, Cost/kg, B:C Ratio										
Kitchen garden	Demonstration of performance of backyard nutritional kitchen garden	Nutrient Availability, Cost/kg, B:C Ratio										
Soy-Milk & Paneer	Demonstration of Soy Paneer Plant	Capacity, Cost/kg, B:C Ratio										

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities	Number of participants	Remarks
Soybean, Maize	Field days	2	50	
	Farmers Training	3	75	
	Media coverage	2	Mass scale	
	Training for extension functionaries	1	10	
Gram	Field days	1	50	
	Farmers Training	2	20	
	Media coverage	1	Mass scale	
	Training for extension functionaries	1	10	
Wheat	Field days	1	50	
	Farmers Training	1	20	
	Media coverage	1	Mass scale	

Crop	Activity	No. of activities	Number of participants	Remarks
Harvesting of soybean & wheat	Field days	2	50	
	Farmers Training	4	40	
	Media coverage	1	Mass scale	
	Training for extension functionaries	2	30	
Nutritional Security	Field days	2	50	
	Women Farmers Training	4	80	
	Training for extension functionaries	2	30	

3.5 Details of FLD on crop hybrids: Nil

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
-	-	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
-	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
-	-

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
F / FW /RY	Village Survey	Sagoniya, Premtura , Rapadiya	50
EX	Departmental Feedback	Karariya, Bhaironpura	50
Farmer Meetring/Seminar	Individual Contacts	Sagoniya, Rapadiya	50

Table 5.2 Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FW	ONC& OFC	CRP	Resource Conservation Technologies	5	1-2	40								
FW	ONC& OFC	WOE	Value addition	4	1-2	40								
FW	OFC	AEG	Repair-Maintenance of farm machinery	2	1-2	20								
FW	ONC& OFC	CRP	Integrated Crop Management	2	1-2	40								
FW	ONC& OFC	PLP	Integrated Pest Management	2	1-2	40								
IS	ONC& OFC	CRP	Productivity Enhancement of field crops	6	1-2	40								
IS	ONC& OFC	CRP	Integrated Nutrient management	2	1-2	40								
FW	ONC& OFC	AEG	Women friendly equipment for drudgery reduction	2	1-2	40								
FW	ONC	AEG	Use of soybean in daily diet	5	1-2	100								
FW	ONC	WOE	Nutritional Security through Kitchen Gardening	2	1-2	30								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Skill Development under RKVY – Tractor Operator	Farm Machinery	Mechanization	25						
Skill Development under RKVY – Green House Operator	Fruit & Vegetables	High-Tech Horticulture	25						
Skill Development under RKVY – Vermicompost Producer	Soil Health Management	Organic Farming	25						
Tractor and farm machinery operation, care and maintenance	Farm Machinery	Farm Mechanization	3						
Processing of fruits and vegetables for value addition	Fruit & Vegetables	Value Addition	3						
Agro-processing of Grain and spice crops	Grain & Spice Crops	Value Addition	3						
Plant propagation technic	HOF	Income & employment generation	3						
Handicraft making	Home Science	WOE	10						
Processing of fruits and Vegetables for value addition	Home Science	WOE	5						

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Soy-Products	Cottage Scale			
Food preservation & Value Addition	Cottage Scale			

Table 5.5.Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
As per demand	Mechanization												
As per demand	Value Addition												

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members: Nil

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
As per demand													

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Training on crop production								
Farm Mechanization								
IPM								
INM								
Women FriendlyTech								
Plant Propagation								
Custom Hiring								

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Value Addition								
Crop Diversification								
Tractor Operator								

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Field Day	8										
KisanMela	1										
KisanGhoshi	10										
Exhibition	2										
Film Show	25										
Method Demonstrations	4										
Farmers Seminar	2										
Workshop	-										
Group meetings	8										
Lectures as resource persons	45										
Newspaper coverage	4										
Radio talks	4										
TV talks	4										
Popular Articles	4										
Extension Literature	4										
Farm Advisory Services	125										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Scientific visit to farmers field	45										
Farmers Visit to KVK	150										
Diagnostic Visits	25										
Exposure Visits	2										
Ex-trainees Sammelan	-										
Soil Health Camp	5										
Animal Health Camp	-										
Agri Mobile Clinic	-										
Soil Test Campaigns	4										
Farm Science Club conveners meet	-										
Self Help Group conveners meetings	1										

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Fruit crop	Guava	L-49	PM	-	-	-	-
Fruit crop	Karonda	Red tinged	PM	-	-	-	-
Fruit crop	Moringa	Local	PM	-	-	-	-
Fruit crop	Custard apple	Local	PM	-	-	-	-
Ornamental	Ornamentals	different	PM	-	-	-	-
Fruit crop	Lemon	Kagazi	PM	-	-	-	-

7.2 Planting Material production

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-	-	-	-

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Name of the Product	Qty	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
Bioagents	-	-	-	-

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	-	-	-	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then
 Year of establishment : 2005 (Staff Not Available)

8.1 Details of soil & water samples analyzed so far :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	250	250	8	Nil	
Water Sample	-	-	-	-	-

9. Rainwater Harvesting, if available

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST/Participants		
				Male	Female	Total	Male	Female	Total

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries	Major recommendations
Bhopal	125	59000	-

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bhopal	Khariif' 2018 (May'2018 – Proposed)	-	-
Bhopal	Rabi '2017(Oct'2018 – Proposed)	-	-

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters (Proposed to be published)

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Bhopal	July'2018	Quarterly	500	500

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Bhopal	CD	Tractor Operation	100
Bhopal	CD	Vermicompost Production	100

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper					
Technical bulletins	4				
Technical reports	-				
Popular article	4				
News paper coverage	5				
Year Planner	1				
Others (pl. specify)					

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA	-	-	-	-	As per demand

14. Utilization of Farmers Hostel (Pooled in Institute)

Accommodation available (No. of beds) : With CIAE

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	-	-	-	-

15. Utilization of Staff Quarters (Pooled in Institute): With CIAE

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
-	-	-	-	-	-

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr.No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1.	Bhopal	Yes	ZPD

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Bhopal	Crop Cafeteria	Soybean, red gram wheat, gram, Okra, Kharif onion, rabi onion ,garlic varietal demo
Bhopal	Technology Desk	-
Bhopal	Visitors' Gallery	Farm Equipment Display Centre
Bhopal	Technology Exhibition	Farm Mechanization
Bhopal	Technology Gate-Valve	-

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Varietal demo(Okra)	3
2	Varietal demo(Sobean)	3
3	Varietal demo(Rabi onion)	3
4	Varietal demo(Garlic)	3
5.	Varietal demo(Wheat)	3

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr.No.	Name of kvk	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	-	-	-	-

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Jabalpur.

Sr.No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	Aug'2018	25
2.	Jan'2019	25

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Bhopal	2	2	6	40

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, Awarenessprogrammes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/Programme on Harnessing Pulses/ Quality Protein Maize: Nil

Sr.No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
-	-	-	-	-

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Raisen	Technology sharing	-
2	Ujjain	Technology sharing	-
3	Sehore	Technology sharing	-

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Bhopal	-	-	-

23. Status of KVK Website: Merged in CIAE

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
-	-	-	-	-

24. Status of RTI: Nil

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
-	-	-	-

25. E-CONNECTIVITY (ERNET Lab)

Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			
-	-	-	-	-	-	-

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies	1	25	Each OFT/FLD
Lectures organized	6	150	Each OFT/FLD
Exhibition	1	100	
Film show	4	100	Each OFT/FLD
Fair	-	-	-
Farm Visit	2	100	Each OFT/FLD
Diagnostic Practical's	-	-	-
Distribution of Literature (No.)	4	100	-
Distribution of Seed (q)	-	-	-
Distribution of Planting materials (No.)	-	-	-
Bio Product distribution (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Distribution of fingerlings (No)	-	-	-
Distribution of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	-	-	-

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-	-

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
		Oilseeds		

Farmers-scientists interaction on livestock management

Sl. No.	Livestock components	Number of interactions	No.of participants
1.	Dairy Management	-	-
2.	Disease management	-	-
3.	Feed and fodder technology	-	-
4.	Poultry management	-	-

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
-	-	-	-

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
-	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
-	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
-	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
-	-	-	-	-

Vermis Produced

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
-	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-	-

Awareness Campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
1	50	1	50	1	50	1	50	1	50	1	50

28. Proposal of NICRA**29. Proposed works under NAIP (in NAIP monitoring format)****30. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
-	-	-	-	-

31. Awards & Recognitions

Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received

32. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Bhopal	2 (Agronomy)	2 (Agronomy)
2	Bhopal	2 (Horticulture)	1(Horticulture)
3	Bhopal	2 (Home Science)	1 (Home science)

2. KVK, Bankheddi

PERIOD – April 2018 to March, 2019

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
OFTs	28	140			
FLDs – Oilseeds (activity in ha)	0				
FLDs – Pulses (activity in ha)	0				
FLDs – Cotton (activity in ha)	0				
FLDs – Other than Oilseed and pulse crops(activity in ha)	0				
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	0				
Training-Farmers and farm women	15				
Training-Rural youths	45				
Training- Extension functionaries	120				
Extension Activities	708				
Seed Production (Number of activity as seeds in quintal)	0				
Planting material ((Number of activity as quantity of planting material in quintal)	0				
Seedling Production (Number of activity as number of seedlings in numbers)	0				
Sapling Production (Number of activity as number of sapling in numbers)	0				
Other Bio- products (No. of quantity)	0				
Live stock products	111				
Activities of Soil and Water Testing Laboratory					
Rainwater Harvesting System					
Kisan Mobile Advisory (KVK-KMA)					
SAC Meeting (Date & no. of core/ official members)					
Literature to be Developed/Published					

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Convergence programmes / Sponsored programmes					
Utilization of Farmers Hostel					
Utilization of Staff Quarters					
Details of KVK Agro-technological Park					
Crop Cafeteria-	11				
Farm Innovators- list of 10 farm innovators from the District					
Status of Revolving Funds					
Awards and Recognitions					
Case study / Success Story to be developed					
KVK Progressive Farmers interaction					
Outreach of KVK in the District (No. of blocks, no. of villages)					
Technology Demonstration under Tribal Sub Plan					
KVK Ring					
Important visitors to KVK					
Status of KVK Website	working				
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations					
Interventions on Drought Mitigation					
Proposal of NAIP					
Proposal of NICRA					
Well labeled photographs					
Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Sanctioned post	Name of the Incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Programme Coordinator	Vacant	-	-	-	-	-	-	-	-
Subject Matter Specialist 1	Shri Brajesh Kumar Namdev	Plant Protection	-	Agriculture Entomology	15600-39100+5400 Grade Pay	-	01.03.2018	Temporary	OBC
Subject Matter Specialist 2	Dr. Sanjeev Kumar Garg	Agriculture Extension	-	Agriculture Extension	15600-39100+5400 Grade Pay	-	05.03.2018	Temporary	General
Subject Matter Specialist 3	Dr Devidas Patel	Plant Breeding and Genetics	-	Plant Breeding and Genetics	15600-39100+5400 Grade Pay	-	05.03.2018	Temporary	OBC
Subject Matter Specialist 4	Shri Lavesh Kumar Chourasia	Horticulture	-	Horticulture-Vegetable Science	15600-39100+5400 Grade Pay	-	09.03.2018	Temporary	OBC
Subject Matter Specialist 5	Dr. Akanchhha Pandey	Home Science	-	Home Science	15600-39100+5400 Grade Pay	-	15.03.2018	Temporary	General
Subject Matter Specialist 6	Dr. Diwakar Verma	Livestock Production and Management	-	Livestock Production and Management	15600-39100+5400 Grade Pay	-	13.04.2018	Temporary	OBC
Programme Assistant	Shri Praveen Solanki	Environmental Science	-	B.Sc. Agriculture	9300-34800+4200 Grade Pay	-	13.03.2018	Temporary	OBC
Farm Manager	Shri Pankaj Sharma	Agriculture Extension	-	M.Sc. Agriculture	9300-34800+	-	09.03.2018	Temporary	General

Sanctioned post	Name of the Incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
					Grade Pay 4200				
Computer Programmer	Shri Rahul Majhi	Graduation	-	B.E- IT	9300-34800+ Grade Pay 4200	-	05.03.2018	-	General
Accountant / superintendent	Shri Vikas Mohrarir	Post Graduation	-	MBA	9300-34800+ Grade Pay 4200	-	01.03.2018	Temporary	General
Stenographer	Vacant	-	-	-	-	-	-	-	-
Driver	Vacant	-	-	-	-	-	-	-	-
Driver	Vacant	-	-	-	-	-	-	-	-
Supporting staff	Shri Jitendra Kumar Jain	Graduation	-	Skill Support	5200-20200+ Grade Pay 1800	-	15.03.2018	Temporary	General
Supporting staff	Vacant	-	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)-

Geographical area	668690 sq.km
Cultivated	325500 ha
Resources	Good water level
Irrigation	227795 ha
Populations	12,40,975

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2018 to 31.3.2019 (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
-	-	-	-	-	-

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	Thrust Area
Bankhedi	Organic Farming
Bankhedi	Employment generation
Bankhedi	Resource base Livelihood
Bankhedi	Milch animal based production system
Bankhedi	Nutritional security for farm women & children

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop) :

Problem identified	Methods of problem identification	Location Name of Village & Block
High seed rate and low yield of rice	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
Waterlogging during August affects pigeon pea growth and yield	Filed visit ,RRA, meeting with agriculture & allied department officers	Junehta , anhai, vijanhai
Large scale incidence of Khaira disease reduce rice yield	Filed visit ,RRA, meeting with agriculture & allied department officers	Kamti , murgidhana, bankhedi
Comparative nutritive value of vermicompost prepared from different bio-waste is not known	Filed visit ,RRA, meeting with agriculture & allied department officers	Dumar,dharawpadaw, dangarhai
Heavy incidence of sucking insect pest in nursery leads to weak plants and carry pests to main field	Filed visit ,RRA, meeting with agriculture & allied department officers	Tindwada, kalkuhi, surela
Low yield in rice due to heavy infestation of Stem borer	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
Low yield of pigeon pea due to attack of pod borer complex	Filed visit ,RRA, meeting with agriculture & allied department officers	Junehta , anhai, vijanhai
Backyard is not utilized for an economic activity by resource poor small and marginal farmwomen	Filed visit ,RRA, meeting with agriculture & allied department officers	Kamti , murgidhana, bankhedi
Poor nutritional status of marginal farmwomen due to low vegetable intake	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
Prevalence of anaemia among lactating mothers	Filed visit ,RRA, meeting with agriculture & allied department officers	Junehta , anhai, vijanhai
Extended postpartum anoestrous and repeat breeding among milch cattle is a common problem	Filed visit ,RRA, meeting with agriculture & allied department officers	Kamti , murgidhana, bankhedi
Low yield in milk due to high worm load	Filed visit ,RRA, meeting with agriculture &	Dumar,dharawpadaw, dangarhai

Problem identified	Methods of problem identification	Location Name of Village & Block
	allied department officers	
Lack of technical knowledge among farmers about SRI technology	Filed visit ,RRA, meeting with agriculture & allied department officers	Tindwada, kalkuhi, surela
Low yield due to use of old variety	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
Low yield due to use of old variety	Filed visit ,RRA, meeting with agriculture & allied department officers	Junehta , anhai, vijanhai
Low milk yield due to imbalance feed management	Filed visit ,RRA, meeting with agriculture & allied department officers	Kamti , murgidhana, bankhedi
Low plant population due severe incidence of wilt reduces the yield of chickpea	Filed visit ,RRA, meeting with agriculture & allied department officers	Dumar,dharawpadaw, dangarhai
Low yield of chickpea due to attack of gram borer	Filed visit ,RRA, meeting with agriculture & allied department officers	Tindwada, kalkuhi, surela
Low yield of Tomato due to Leaf Curl Virus and Early blight	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
Low economic return due to lack of knowledge about improved variety	Filed visit ,RRA, meeting with agriculture & allied department officers	Junehta , anhai, vijanhai
Poor growth of local breed in Backyard	Filed visit ,RRA, meeting with agriculture & allied department officers	Kamti , murgidhana, bankhedi
Poor growth of children of landless farmer due to non availability of milk	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
Low milk production due to unavailability of green fodder	Filed visit ,RRA, meeting with agriculture & allied department officers	Junehta , anhai, vijanhai
Lack of technical knowledge among farmers about residue management	Filed visit ,RRA, meeting with agriculture & allied department officers	Kamti , murgidhana, bankhedi
Low yield due to use of old variety	Filed visit ,RRA, meeting with agriculture & allied department officers	Dumar,dharawpadaw, dangarhai
Less yield of Green gram due to imbalance use of nutrient	Filed visit ,RRA, meeting with agriculture & allied department officers	Tindwada, kalkuhi, surela
Area under Black gram reduced drastically due to Incidence of YMV	Filed visit ,RRA, meeting with agriculture & allied department officers	Paliya pipariya, Malahnwada, Machera, Paraswada, khapa
April to July interspace between rows of sugarcane	Filed visit ,RRA, meeting with agriculture &	Junehta , anhai, vijanhai

Problem identified	Methods of problem identification	Location Name of Village & Block
remains unutilized	allied department officers	

2. On Farm Testing

2.1 Information about OFT to be conducted

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
Kharif – 2018	High seed rate and low yield of rice	Assessment	CP	Rice	Irrigated	05	05	Assessment of SRI in JRH-5 variety of rice (under rice- wheat cropping system)	Farmers practice (High seed rate in nursery raising of rice)	Transplanting of 12 days old seeding at 25x25cm P-P&R-R distance High yielding variety JRH-19 (matures in 95-100 days, yield 65- 70q/ha) T3= Nutrient application through Ammonium phosphate on soil test bases		
Kharif – 2018	Waterlogging during August affects pigeon pea growth and yield	Assessment	CP	Pigeon pea	Rainfed	05	05	Assessment of ridge and furrow planting method in pigeon pea under water logging condition (under Pigeon pea- wheat cropping system)	Farmers practice (broadcast sowing of pigeon pea in June by after harvesting of summer moong, water logged condition in the month August due to rain seriously	Sowing of seed treated pigeon pea by Ridge and furrow method in July T3= Nutrient management on soil test based		

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
									affect plant population)			
Kharif – 2018	Large scale incidence of Khaira disease reduce rice yield	Assessment	SFM	Rice	Rainfed	05	05	Assessment of soil test based application of Zinc sulphate in rice for management of Khaira disease	Farmers practices (No application of Zinc)	Basal application of Zinc based on soil test in the form of Zinc Sulphate		
Kharif 2018	Comparative nutritive value of vermicompost prepared from different bio-waste is not known	Assessment	SFM	Vermicompost	Rainfed	05	05	Assessment of nutrient value of Vermicompost prepared from FYM, Bio-gas slurry and agri- waste	Vermicompost prepared with FYM	Vermicompost prepared with bio-gas slurry T ₃ :- Vermicompost prepared with agricultural waste		
Kharif 2018	Heavy incidence of sucking insect pest in nursery leads to weak plants and carry pests to main field	Assessment	PLP	Rice	Irrigated	05	05	Assessment of insecticides- Imidaclorpid as seed treatment, in Rice for management of sucking insect pests in nursery	Farmers practice (no insect pest management in nursery)	Seed treatment with Imidaclorpid 600 FS@ 2ml/kg seed		
Kharif 2018	Low yield in rice due to heavy infestation of Stem borer	Assessment	PLP	Rice	Irrigated	05	05	Assessment of Pheromone traps for management of stem borer in irrigated rice	Farmers practice (No use of Pheromone trap, indiscriminate use of	Pheromone trap 5 mg lure @ 10 trap /acre		

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
									pesticide)			
Kharif 2018	Low yield of pigeon pea due to attack of pod borer complex	Assessment	PLP	Pigeon pea	Rainfed	05	05	Assessment of management of pod borer complex by timely application of insecticides	: Farmer practice (indiscriminate use of insecticides at later stages of incidence)	Mixing of Sorghum/ Maize seed (250 g/ha) for function as live bird perches. (These plant also help in conserving natural enemy) and timely application of Spinosad 45% SC 65 ml/acre at the initial incidence of pest, Chlorantraniliprole @ 30 g a.i./ ha at flowering		
Kharif 2018	Backyard is not utilized for an economic activity by resource poor small and marginal farmwomen	Assessment	HOV	Sponge gourd	Rainfed	-	-	Assessment of Sponge gourd in backyard for additional income	Farmers practice (No vegetable production for sale)	Sponge gourd in backyard for additional income		
Kharif 2018	Poor nutritional status of marginal farmwomen due to low vegetable intake	Assessment	WOE	Vegetable crops	Irrigated	05	05	Assessment of nutritional garden for household nutritional	low dietary intake of vegetables around the year	Nutritional garden for ensuring vegetables throughout the year		
Kharif	Prevalence of	Assessment	WOE	WOE	Irrigated	05	05	Assessment of	Imbalance	100 g of freshly		

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
2018	anaemia among lactating mothers							finger millet porridge for anaemic lactating mothers	nutrient intake by lactating mothers	prepared finger millet porridge/day/lactating mothers for 90 days		
Kharif 2018	Extended postpartum anoestrous and repeat breeding among milch cattle is a common problem	Assessment	LPM	Dairy	Irrigated	05	05	Assessment of mineral mixture supplementation in daily ration for timely heat	Farmer Practices (Farmer do not supplement mineral mixture in cattle feed)	Daily feed supplement with Mineral mixture @ 50 g/day for 60 days		
Kharif 2018	Low yield in milk due to high worm load	Assessment	(PLP)	Dairy	Rainfed	05	05	Assessment of Ivermectin for Ecto and Endo parasite in Milch cattle	Farmer Practices (Deworming of Milch animal is not practice)	Sub cutaneous injection of Ivermectin @ 1 ml/50 kg body weight of animal		
Kharif 2018	Lack of technical knowledge among farmers about SRI technology	Assessment	IPM	Rice	Rainfed	05	05	Effectiveness of 'Whats App message for Dissemination of SRI technology in rice crops	Dissemination of agricultural technologies without WhatsApp message	Dissemination of agricultural technologies by using WhatsApp message		
Rabi 2018-19	Low yield due to use of old variety	Assessment	CP	Wheat	Irrigated	05	05	Assessment of Improved variety MP-3382 of Wheat under wheat-summer green gram	Farmers practice (use of old variety of wheat Lok1	MP-3382 of Wheat (yield 58-60q/ha)		

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
								cropping system)				
Rabi 2018	Low yield due to use of old variety	Assessment	CP	Chickpea	irrigated	05	05	Assessment of Improved variety JGK-5 Chickpea (under Chickpea- summer green gram cropping system)	Farmers practice (use of old variety of chickpea)	JGK-5 chickpea (yield 18-20q/ha)		
Rabi 2018	Low milk yield due to imbalance feed management	Assessment	SFM	Dairy	Rainfed	05	05	Assessment of Azolla as feed supplement for improving milk yield in milch cows	Farmers practice (imbalance feed management)	Feed supplement with Azolla @ 1 kg/animal/day for 3 months		
Rabi 2018	Low plant population due severe incidence of wilt reduces the yield of chickpea	Assessment	PLP	Chickpea	Irrigated	05	05	Assessment of <i>Trichoderma viride</i> for wilt management in chickpea	Farmers practice (No use of <i>Trichoderma viride</i>)	Soil application of FYM enriched <i>T. viride</i> (@5 kg/q FYM) before last ploughing followed by sowing of seed treated chickpea with <i>T viride</i> @10g/kg		
Rabi 2018	Low yield of chickpea due to attack of gram borer	Assessment	PLP	Chickpea	Irrigated	05	05	Assessment of IPM module for management of gram pod borer in chickpea	Farmer practice (indiscriminate use of Insecticide)	installation of bird perches @ 50/h, Pheromone trap @ 12/h, need based spray of chlorantraniliprole @ 30 g a.i./ ha		
Rabi 2018	Low yield of Tomato due to Leaf Curl	Assessment	HOV	Tomato	Irrigated	05	05	Assessment of HYV variety Arka Rakshak. of	: Farmers practice (use of local variety	Arka rakshak of Tomato resistant of Yellow mosaic		

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	Virus and Early blight							Tomato	of tomato)			
Rabi 2018	Low economic return due to lack of knowledge about improved variety	Assessment	HOV	Cabbage	Irrigated	05	05	Assessment of Improved Variety of Cabbage Pusa Mukta	Farmers practice (use of local variety of cabbage)	Pusa Mukta of cabbage (yield 58- 60q/ha)		
Rabi 2018	Poor growth of local breed in Backyard	Assessment	WOE	Backyard Poultry	Rainfed	05	05	Assessment of Kadakhnath breed in the backyard for additional income generation	Farmer practice (local colour breed growth)	Kadakhnath breed is high Iron content , good growth		
Rabi 2018	Poor growth of children of landless farmer due to non availability of milk	Assessment	WOE			05	05	Assessment of freshly prepared soya milk for growth and wellness of juveniles of landless farmers	No milk intake by juveniles(1- 6year old)	Daily intake of freshly prepared soya milk 50 ml per day /child for 90 days		
Rabi 2018	Low milk production due to unavailability of green fodder	Assessment	LPM	Dairy	Irrigated	05	05	Assessment of production and feeding of hydroponics fodder of maize for dairy animals	Farmer Practices (no use of green fodder only use of straw)	Hydroponics maize fodder @ 20 kg/day/animal		
Rabi 2018	Lack of technical knowledge among	Assessment	Extention /ICT	Wheat	I Rainfed	20	20	Effectiveness of 'WhatsApp message for Dissemination of	Dissemination of agricultural technologies without	Dissemination of agricultural technologies by using WhatsApp message		

Year/ Season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	farmers about residue management							crop residue management through Seder in wheat crops	WhatsApp message			
Summer 2019	Low yield due to use of old variety	Assessment	CP	Green gram	Irrigated	05	05	Assessment of Improved variety TGM-3 of Green gram	Farmers practice (use of old variety of wheat Lok1)	TGM-3 of Green gram (yield 15-20 q/ha)		
Summer 2019	Less yield of Green gram due to imbalance use of nutrient	Assessment	SFM	Green gram	Irrigated	05	05	Assessment of soil test based nutrient management in Green gram	Farmer practices (imbalance application of fertilizers)	Application of nutrients on soil test basis		
Summer 2019	Area under Black gram reduced drastically due to Incidence of YMV	Assessment	PLP	Green gram	Irrigated	05	05	Assessment of IPM for YMV in green gram	Farmers practice (sowing without seed treatment)	Seed treatment (Thiomethaxam 4 g/kg + Yellow sticky trap (10 trap/acre)		
Summer 2019	April to July interspace between rows of sugarcane remains unutilized	Assessment	HOV	Coriander	Irrigated	05	05	Assessment of Coriander for leaves as intercrop in sugarcane	Farmers practice (Interspace between rows of sugarcane is unutilized	Sowing of Coriander for green leaves in the second week of May. The moisture and shade will promote coriander growth for leaves for harvest in June- July when the prices are Rs80/kg		

2.1a Recommendations of OFTs : Nil

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

2.2 Economic Performance

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP(T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)
-	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2017-18) Not Applicable

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
-	-	-	-	-	-	-

3.2 Details of FLDs to be implemented during 2018-19 will be Planned after this season OFT

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.3 Economic Impact of FLD Not Applicable

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Training and Extension activities proposed under FLD: NIL

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Field days			
	Farmers Training			
	Media coverage			
	Training for extension functionaries			

3.5 Details of FLD on crop hybrids: Nil

Sr.No.	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK: Nil

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
-	-	-	-	-

4.2. Feedback from KVK to Research System : Nil

Name of KVK	Feedback basic of OFT on Technology Tested
-	-

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme : Nil

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ONC	FW	LPM	Training on care and management of milch animal during summer season	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
OFC	FW	WOE	Training on designing of nutritional garden according to household requirement	2	1	40								
OFC	FW	WOE	Training on Kadaknath Chicks management on different stages	7	1	70								
OFC	FW	SFM	Field level training on method of soil sample collection	20	1	400								
ONC	FW	PLP	Training on preparation of finger millet porridge	1	1	25								
ONC	FW	WOE	Training on Preparation of drumstick products	1	1	25								
OFC	FW	PLP	Training programme on Seed treatment of Rice for management of nursery insect pest	1	1	20								
OFC	FW	PLP	Training programme on Management of Rice Stem borer	1	1	20								
OFC	FW	WOE	Training on preparation of Soya milk	2	1	40								
OFC	FW	LPM	Training on control of Ecto and Endo parasite in farm animals	1	1	25								
OFC	FW	PLP	Training programme on Management of BPH in Rice	1	1	20								
OFC	FW	SFM	Entrepreneurship training on production of bio fertilizers	1	1	20								
ONC	FW	LPM	Training on management of Prolapse in dairy animals	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
OFC	FW	PLP	Training programme on Management of Pod borer complex in pigeon	1	1	20								
OFC	FW	LPM	Training on feeding management in dairy animals	1	1	25								
ONC	FW	LPM	Training on care and management of new born calves	1	1	25								
ONC	FW	LPM	Training on management of mastitis in dairy animals	1	1	25								
OFC	FW	HOV	Training on nursery raising of Cabbage	1	1	25								
OFC	FW	PLP	Training programme on seed treatment of chickpea for management of wilt disease	1	1	20								
OFC	FW	HOV	Training on nursery raising of Tomato	1	1	25								
OFC	FW	WOE	Training on designing of nutritional garden according to household requirement	2	1	40								
OFC	FW	ICT	Training on crop residue management on farmer field	1	1	25								
ONC	FW	LPM	Training on Azolla production	1	1	20								
OFC	FW	HOV	Training on transplantation of Tomato	1	1	25								
OFC	FW	PLP	Training programme on Management of gram pod borer in chickpea	1	1	20								
OFC	FW	HOV	Training on transplantation of	1	1	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			cabbage											
ONC	FW	CP	Training on establishment of seed society	1	1	21								
OFC	FW	CP	Training on weed management in Wheat	1	1	25								
OFC	FW	ICT	Training on rouging in Wheat & chickpea	1	1	25								
OFC	FW	HOV	Training on nutrient management of Cabbage	1	1	25								
OFC	FW	HOV	Training on weed management of Cabbage	1	1	25								
OFC	FW	HOV	Training on nutrient management of Tomato	1	1	25								
ONC	FW	LPM	Training on A.I. technique & its importance in dairy cattle	1	1	25								
OFC	FW	WOE	Training on backyard poultry farming	1	1	25								
OFC	FW	PLP	Training programme on seed treatment of green gram for management of YMV	1	1	20								
OFC	FW	PLP	Training programme on preparation and installation Yellow sticky trap	1	1	20								
OFC	FW	ICT	Training on crop residue management on farmer field	1		25								
OFC	FW	HOV	Training on intercropping of coriander in sugarcane	1	1	25								
ONC	IS	PLP	Training on insect pest management of rice & pigeon pea	1	1	15								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
ONC	IS	WOE	Promotion of nutritional garden in Aganwadi Kendra	1	1	15								
ONC	IS	ICT	Training programme on effective use of ICT tools	1	1	15								
ONC	IS	PLP	Training programme on insect pest management of chickpea	1	1	15								
ONC	IS	CP	Training programme on improved Seed production technology	1	1	15								
ONC	IS	HOV	Training programme on protected cultivation technology	1	1	15								
ONC	IS	ICT	Training programme on wheat crop residue management	1	1	15								
ONC	IS	PLP	Training programme on insect pest management of green gram	1	1	15								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Training programme on Kusmi lac production	-	-	10	-	-	-	-	-	-
Training programme on Silk cocoon production	-	-	10	-	-	-	-	-	-
Training programme on dairy management for rural youth	-	-	20	-	-	-	-	-	-
Training programme on seed production technique in rice	-	-	20	-	-	-	-	-	-
Training programme on seed production technique in green gram	-	-	20	-	-	-	-	-	-

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Training programme on skilled based production of Vermicompost, grading, packing and sale	-	-	20	-	-	-	-	-	-
Training programme on school dropout girls on backyard poultry	-	-	30	-	-	-	-	-	-
Training programme for rural women on garment making for self employment	-	-	90	-	-	-	-	-	-

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs: Not Applicable

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
-	-	-	-	-

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members Under Plan

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings): Not Applicable

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Advisory Services	200										
Animal Health Camp	3										
Animal health campaign	12										
Awareness programme	12										
Celebration of important days	10										
Diagnostic visits	50										
Exhibition	2										
Extension Literature	10										
Farm advisory Services	100										
Farmers Seminar/Workshop	2										
Farmers visit to KVK	200										
Film Show	6										
Group meetings	12										
Kisan Sammelan	2										
Kisan Ghosthi	12										
Mahila Mandals conveners meetings	5										
Method Demonstrations	6										
Newspaper coverage	6										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Popular articles	12										
Radio talks	3										
Scientists visit to farmers field	40										
Self Help Group conveners meetings	3										
Soil health Camp	10										
Soil test campaigns	10										
TV talks	3										

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
-	-	-	-	-	-	-	-

7.2 Planting Material production Not Applicable

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) Nil

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Bankhedi	Bioagents				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Bankhedhi	Cattle Cow	-	-	-	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : -

8.1 Details of soil & water samples analyzed so far : Nil

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Bankhedhi	Soil Sample	-	-	-	-	-
Bankhedhi	Water Sample	-	-	-	-	-

9. Rainwater Harvesting, if available. Nil

Date	Title of the training course	Client (PF/Ry/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA) Yet to Start

KVK Name	No. of messages to be sent	No. of beneficiaries		No of Village Covered	Major recommendations
		Farmers	Ext. Pers.		

11. Details of SAC Meeting SAC Meeting will be organized in june 2018

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
-	-	-	-

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters Nil

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
-	-	-	-	-

12.2 Details of Electronic Media to be Produced : Nil

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
-	-	-	-

12.3 Publications : Nil

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper					
Technical bulletins					
Technical reports					
Popular article					
News paper coverage					
Year Planner					
Others (pl. specify)					

13. Convergence with various agricultural schemes (Central & State sponsored) Yet to Do Convergence

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA	-	-	-	-	-

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): Not Applicable

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	-	-	-	-

15. Utilization of Staff Quarters. Not Applicable

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
-	-	-	-	-	-

16. Details of KVK Agro-technological Park – Nil

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
-	-	-	-

b) Details about Technology Park : Nil

Name of Component of Park	Detail Information (If established)
Crop Cafeteria	-
Technology Desk	-
Visitors Gallery	-
Technology Exhibition	-
Technology Gate-Valve	-

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Pulse crop	1
2	Vegetable crop	1
3	Lac Production	1
4	Colour birds (RIR,Kadakhnath, Vanraja, Narmada nidhi)	1
5	OFT in Demonstration unit in KVK farm	7

17. Farm Innovators- list of 10 Farm Innovators from the District Yet to Collect

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	-	-	-	-

18. KVK interaction with progressive farmers- Yet to Interact

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
-	-	-

19. Outreach of KVK: Nil

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
-	-	-	-	-

Intensive- OFTS, FLDS etc ; **Extensive-** Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable. Not Applicable

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
-	-	-	-	-

21. KVK Ring Yet to Plan

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
-	-	-	-

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Bankhedhi	-	-	-

23. Status of KVK Website: Yes

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Bankhedhi	25/04/2018	11	60

24. Status of RTI: Nil

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Bankhedhi	-	-

25. E-CONNECTIVITY (ERNET Lab) : Nil

Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			
-	-	-	-	-	-	-

26. Details of technology week celebrations

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practical's			
Distribution of Literature (No.)			
Distribution of Seed (q)			

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Distribution of Planting materials (No.)			
Bio Product distribution (Kg)			
Bio Fertilizers (q)			
Distribution of fingerlings			
Distribution of Livestock specimen (No.)			
Total number of farmers visited the technology week			
Animal health camp			
Awareness programme			
Cashless Transaction Week			
Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day,International Women Day,National Integrity Day,World environment day,World forestry day,World Water Day)			
Demonstration			
Exposure visit			
Extension activity			
Ex-trainees Meet			
Farmer scientist interaction			
Farmers Training			
Field Day			
Field visit			
Gajarghans Unmulan Pakhwada			
Group Meeting			
Hindi diwas pakhwada			
Jai Kisan Jai Vigyan Sangoshthi			
Narmada sewa Yatra			
News Paper/Mass Media			
Plant health camp			
Plant Protection Week			
Scientists visits in farmers field			

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Seed treatment campaign			
Self Help Group convener meet			
Soil health Camp			
Swachha Bharat Abhiyan			
Technology Week			
Van Mahotsava			
Others (Pl. Specify)			

27. INTERVENTIONS ON DROUGHT MITIGATION Not Applicable

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
-	KVK Bankhedi	-	-	-

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
KVK Bankhedi	Oilseeds	-	-
KVK Bankhedi	Pulses	-	-
KVK Bankhedi	Cereals	-	-
KVK Bankhedi	Vegetable crops	-	-
KVK Bankhedi	Tuber crops	-	-
KVK Bankhedi	Fruits	-	-
KVK Bankhedi	Spices	-	-
KVK Bankhedi	Cotton	-	-
KVK Bankhedi	Total	-	-

Farmers-scientists interaction on livestock management Nil

Name of KVK	Livestock components	Number of interactions	No. of participants
KVK Bankhedi	Dairy Management	-	-

KVK Bankhedi	Disease management	-	-
KVK Bankhedi	Feed and fodder technology	-	-
KVK Bankhedi	Poultry management	-	-

Animal health camps to be organized Nil

Name of KVK	Number of camps	No.of animals	No.of farmers
KVK Bankhedi			

Seed distribution in drought hit states Not Applicable

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
KVK Bankhedi				

Seedlings and Saplings to be distributed Nil

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
KVK Bankhedi				

Bio-control Agents Nil

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
KVK Bankhedi				

Bio-Fertilizer Nil

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
KVK Bankhedi				

Vermis Produced Nil

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies Nil

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
KVK Bankhedi			

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
KVK Bankhedi									1	307		

28. Proposal of NICRA: NIL

29. Proposed works under NAIP (in NAIP monitoring format)

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
KVK Bankhedi				

31. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
KVK Bankhedi				

32. Case study / Success Story to be developed –

Name of KVK	No. of success stories	No. of case studies
KVK Bankhedi	-	-

3. KVK, Burhanpur

PERIOD – April 2018 to March, 2019

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	20	287	-	-	-
FLDs – Oilseeds (activity in ha)	As per allotment		-	-	-
FLDs – Pulses (activity in ha)	As per allotment		-	-	-
FLDs – Cotton (activity in ha)	-	-	-	-	-
FLDs – Other than Oilseed and pulse crops(activity in ha)	22	64	-	-	-
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	37	-	-	-
Training-Farmers and farm women	37	900	-	-	-
Training-Rural youths	04	80	-	-	-
Training- Extension functionaries	03	60	-	-	-
Extension Activities	115	As per need	-	-	-
Seed Production (Number of activity as seeds in quintal)	6.5	As per need	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	51500	As per need	-	-	-
Seedling Production (Number of activity as number of seedlings in numbers)	5 acre (onion)	As per need	-	-	-
Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
Other Bio- products (No. of quantity)	-	-	-	-	-
Live stock products	Kadaknath Meat & Eggs	As per need	-	-	-
Activities of Soil and Water Testing Laboratory	2500 soil samples	10000	-	-	-
Rainwater Harvesting System	-	-	-	-	-

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
Kisan Mobile Advisory (KVK-KMA)	100	20074	-	-	-
SAC Meeting (Date & no. of core/ official members)	2	-	-	-	-
Literature to be Developed/Published	12	3500	-	-	-
Convergence programmes / Sponsored programmes	As per allotment			-	-
Utilization of Farmers Hostel	NA	-	-	-	-
Utilization of Staff Quarters	NA	-	-	-	-
Details of KVK Agro-technological Park	-	-	-	-	-
Crop Cafeteria-	2	-	-	-	-
Farm Innovators- list of 10 farm innovators from the District	-	-	-	-	-
Status of Revolving Funds	-	-	-	-	-
Awards and Recognitions	-	-	-	-	-
Case study / Success Story to be developed	2	-	-	-	-
KVK Progressive Farmers interaction	-	-	-	-	-
Outreach of KVK in the District (No. of blocks, no. of villages)	2	250	-	-	-
Technology Demonstration under Tribal Sub Plan	NA	-	-	-	-
KVK Ring	2	Khandwa, Indore	-	-	-
Important visitors to KVK	APR 2018-19			-	-
Status of KVK Website	4	-	-	-	-
Status of RTI	NA	-	-	-	-
E-connectivity	NA	-	-	-	-
Details of Technology Week Celebrations	02	Approx 300	-	-	-
Interventions on Drought Mitigation	NA	-	-	-	-
Proposal of NAIP	NA	-	-	-	-
Proposal of NICRA	NA	-	-	-	-
Well labeled photographs	APR 2018-19			-	-
Other Activities	-	-	-	-	-

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Programme Coordinator	Dr. Ajeet Singh	Horticulture	Ph.D	Horticulture	22320-8000-39100	38790	07.05.2010	Permanent	Others
Subject Matter Specialist1	Mr. Bhupendra Singh	Agronomy	M.Sc.	Agronomy	15600-5400-39100	15600	16.09.2013	Permanent	Others
Subject Matter Specialist2	Mrs .Monika Jaiswal	Agri. Ext.	M.Sc.	Extension	15600-5400-39100	15600	16.09.2013	Permanent	OBC
Subject Matter Specialist3	Mr. Kartikey Singh	Entomology	M.Sc.	Entomology	15600-5400-39100	15600	18.09.2013	Permanent	OBC
Subject Matter Specialist4	Mrs. Megha Vibhute	Horticulture	M.Sc.	Horticulture	15600-5400-39100	15600	19.09.2013	Permanent	Others
Subject Matter Specialist5	Dr. Amol Deshmukh	Veterinary Science	M.Sc.	Vet. Science	15600-5400-39100	15600	01.01.2017	Permanent	OBC
Subject Matter Specialist6	-	-	-	-	Vacant	-	-	-	-
Programme Assistant	Shri. Mohammad Tauheed	Commerce	M.Com PGDCA	Commerce	9300-4200-34800	11910	17.07.2007	Permanent	Others
Farm Manager	Mr. Rahul Satarkar	Genetics & Plant Breeding	M.Sc.	Genetics & Plant Breeding	9300-4200-34800	11910	24.12.2014	Permanent	Others
Computer Programmer	Mr. Sandeep Rathod	Entamology	M.Sc.	Entamology	9300-4200-	11910	23.12.2014	Permanent	Others

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
					34800				
Accountant / superintendent	Mr. Sayed Navid	Commerce	MBA	Commerce	9300-4200-34800	11910	22.12.2014	Permanent	Others
Stenographer	Mrs. Afreen Syed	Commerce	B.Com	Commerce	5200-2400-20200	6670	17.07.2007	Permanent	Others
Driver	Shri. Wasim Sahab	Driving licence	8 th	Driving licence	5200-2000-20200	6620	17.07.2007	Permanent	OBC
Driver	Shri Shakiluddin	Driving licence	8 th	Driving licence	5200-2000-20200	6620	17.07.2007	Permanent	Others
Supporting staff	Shri. Manoj Tayde	Arts	BA	Arts	4550-1800	6560	17.07.2007	Permanent	SC
Supporting staff	Shri. Mahesh Singh	-	10 TH	-	4550-1300	5550	17.07.2007	Permanent	Others

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)-

Burhanpur district belongs to Nimar Valley-Xth zone. Before 15th August 2003, it was the part of Khandwa District, it is surrounded by Khandwa, Khargone district of M.P. and South – Western part is surrounded by Maharashtra state. The Tapti River is flowing in middle part of the district.

The population is mainly consisted of Scheduled tribe and scheduled caste & other backward classes, their per head land holding is low and they are practicing traditional farming, hence the productivity is very low. These cultivators are mainly busy in rainy season, after that they become idle and they have no job in these idle eight months of the year.

1.2.1 Agro Eco Situation of Burhanpur District

Agro-Ecological Situation	Characteristics		
AES-I	Block Covered	:	Burhanpur and Khaknar
	Geographical Area	:	129600 ha.
	Major Farming systems	:	Banana-Gram/Wheat/Maize Cotton-Wheat/Gram Soybean-Maize Soybean –Sugarcane + Onion/Coriander/Water Melon
	Major crops	:	Cotton, Banana and Soybean
AES-II	Block Covered	:	Burhanpur and Khaknar
	Geographical Area	:	194400 ha.
	Major Farming systems	:	Soybean- Wheat/gram Cotton-Gram Maize-wheat
	Major crops	:	Cotton, Maize, Soybean and Wheat

1.2.2 District Profile

KVK	Particulars	Characteristics
Burhanpur	No. of Village	262
Burhanpur	No. of Gram Panchayat	177
Burhanpur	No. of Tehsil	03
Burhanpur	No. of Blocks	02
Burhanpur	Population (2001)	756993
Burhanpur	Male : Female	951
Burhanpur	Schedule Cast Population	8.87%

Burhanpur	Schedule Tribes Population	26.50%
Burhanpur	Literacy (%)	59.9%
Burhanpur	Population, Density/Km ²	257
Burhanpur	Temperature	Max. 40-45 ⁰ c
Burhanpur		Min. 19-24 ⁰ c
Burhanpur	Average Annual Rainfall	850mm
Burhanpur	Longitude	75.57 ⁰ to 77.13 ⁰
Burhanpur	Latitude	21.05 ⁰ to 22.05 ⁰
Burhanpur	Elevation	300 m from MSL

1.2.3 Soil types

S.No.	SOIL TYPES	Area (000ha)	Percentage
1.	Light Soils	46800	45
2.	Medium Soils	26000	25
3.	Heavy Soils	31200	30

1.3 Details of Adopted village (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Dhoolkot	2008-09	Burhanpur	40	2624	517
Harda	2011	Burhanpur	50	1996	308
Hanumatkheda	2011	Khaknar	30	490	52
Umarda	2013	Burhanpur	12	1800	150
Jalandhara	2014	Burhanpur	45	2600	350
Bhagwania	2014	Burhanpur	36	1200	40
Adgaon	2017	Khaknar	36	2800	400
Sirpur	2017	Khaknar	12	3000	450
Harda -Satellite Village	2017	Burhanpur	50		
Bijauri & Morjhira- Nutri Smart Village	2017	Khaknar			
Manjrod- Sansad Adarsh Gram	2015	Khaknar			

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Burhanpur	Promotion of Integrated farming system
Burhanpur	Livestock up gradation and Management
Burhanpur	Seed replacement- use of high yielding varieties tolerant to biotic and abiotic factors
Burhanpur	Promotion of Horticultural crops.
Burhanpur	Crop Diversification
Burhanpur	Soil Health Improvement
Burhanpur	Pest management in crops
Burhanpur	Water Conservation and Management
Burhanpur	Employment generation for rural youths through agri. enterprises
Burhanpur	Strengthening of marketing network

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

S.No.	Problem identified	Methods of problem identification
4.	Low yield due to improper management in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
5.	Dissemination of seed treatment techniques.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
6.	Improve irrigation and water management practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
7.	Introduction of high yielding dwarf varieties of banana	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
8.	To reduce post harvest losses of fruits and vegetables.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
9.	Soil test based plant nutrient management.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
10.	Integrated plant nutrient management.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
11.	IPM approach to manage insect pest in cotton.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
12.	Rural women do not aware of balanced diet	Through PRA tools and Discussion with the group of farmer, farm

		women and rural youth
13.	Low production & reproduction performance due to poor LPM practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth

2. On Farm Testing

2.1 Information about OFT to be conducted

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)		
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃
Khari f 2018	Low yield of kharif onion due to old variety i.e. AFDR & attack of sucking pest	Assessment	HOF	Onion	Irrigated	10	10	Assessment of variety and sucking pest management in onion under onion-maize/wheat cropping system (1st yr)	AFDR & Use of pesticide at the time of infestation	Bhima Super & Seed treatment (carboxacin 37.5%)+Thiram 37.5% @ 3gm/kg seed followed by seeding treatment with profenophos 3ml/ltr water, 20-25 yellow sticky trap/acre, Spray of	Bhima Red & Seed treatment (carboxacin 37.5%)+Thiram 37.5% @ 3gm/kg seed followed by seeding treatment with fipronil 450 ml/ha, 20-25 yellow sticky trap/acre, Spray of Fipronil 5%	-	-	-

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)		
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃
										Profenophos 50% EC @ 450 ml/ha. At the time of infestation (30 thrips/plant ETL)	SC @ 1 ml/lit.water at the time of infestation (30 thrips/plant ETL)			
Rabi 2018-19	Low fruit quality & yield reduction due to heat wave & attack of pest & disease	Assessment	HOF	Banana	Irrigated	10	10	Assessment of skirting bag & Potassium sulphate against biotic & abiotic stress management for quality banana production (IIIrd yr)	Without skirting bag (Farmer Practice)	Use of white skirting bag	Use of white skirting bag + potassium sulphate	-	-	-
Rabi, 2018-19	High cost of production	Assessment	HOF	Banana	Irrigated	10	10	Assessment of banana based	Soybean-Banana	Soybean-Banana + Garlic	Soybean-Banana + Watermelo	-	-	-

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)		
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃
	and low income per unit area due to sole cropping in banana							intercropping under soybean-banana cropping system (1st yr)			n			
Rabi 2018-19	Using unidentified varieties of fennel resulting low yield	Assessment	HOV	Fennel	Irrigated	10	10	Assessment of Ajmer Fennel-1 & Ajmer Fennel-2 variety under Soybean-Fennel + Onion / Garlic Cropping System (1st yr)	Local Desi Variety	RVS 2001-4 Ajmer Fennel-1	RVS 2001-4 Ajmer Fennel-2	-	-	-
Khari f& Rabi 2018-19	Low yield of soybean & wheat due to long duration	Assessment	ICM	Soybean Wheat	Irrigated	10	10	Assessment of soybean & wheat variety for	JS -335 Lok-1	JS-2029 GW-366	RVS 2001-4 DBW-110	-	-	-

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)		
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃
	old variety							better yield under soybean-wheat cropping system (1st yr.)						
Khari f-2018	High seed rate & low yield in traditional system of cultivation i.e. tiffan method	Assessment	CRP	Pigeon Pea	Irrigated	10	10	Assessment of different sowing method in pigeon pea (IIIrd yr.)	Tiffan Method	Direct sowing	Transplanting method	-	-	-
Rabi 2018-19	High cost of production and low income per unit area due to sole cropping in soybean	Assessment	CRP	Sugarcane	Irrigated	10	10	Assessment of Sugarcane based intercropping under soybean-sugarcane + chickpea/coriander cropping	Soybean-Sugarcane	Soybean-Sugarcane + Chickpea	Soybean-Sugarcane + Coriander	-	-	-

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)			
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃	
								system (1st yr.)							
Rabi 2018-19	Use of old long duration variety & problem of pod borer	Assessment	CRP PLP	Chickpea	Irrigated	10	10	Assessment of short duration variety & management of pod borer in chickpea (1st yr.)	Local Variety & use of pesticide at the time of infestation	RVG-201 & use of 5 pheromone trap/acre + spray neem oil 10000 PPM @ 500 ml/acre + meed based Emamectin benzoate 5% SG @ 100 gm/acre	RVG-202 & use of 5 pheromone trap/acre + NPV @ 100 LE/acre + need based Endoscarb 14.5 SC @ 200gm/acre	-	-	-	
Rabi 2018-19	Deteriorating soil organic carbon content	Assessment	NRM	Bio Waste Decomposer	Irrigated	10	10	Assessment of bio-waste decomposer for quality organic product to enhance soil health	Dumping the farm waste and residue in pits exposed to extreme weather conditions	250gm consortium sufficient to decompose 10,000 metric tonnes of waste in 30	-	-	-		

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)				
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃		
								(1st yr.)		days. Mass Multiplication. Mix 2kg of jaggery in 200 lt water in a container & stir well. Open the bottle & pour the contents of bottle into the solution. Stir the contents of the container & cover it with a paper/ cardboard etc & stir it						

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)					
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃			
										daily once within 4 days the material is ready							
Khari f 2018	Low yield of Bt cotton due to infestation of pink ball worm	Assessment	PLP	Cotton	Irrigated	10	10	Assessment of management practice for control of pink ball worm in Bt cotton	Use of pesticide at the time of infestation	Profenophos 50 EC ai @ 1000 ml/ha Thiodicarb 75% WP ai @ 400gm/ha Emamectin Benzoate 5% SG ai @ 10gm/ha(at 15 days interval)	Cipermethy rin 25% EC ai @ 75ml/ha Endoscarb 14.5% SC ai @ 100gm/ha. Spinosad 45% SP ai @ 100 gm/ha. (at 15 days interval)	-	-	-			
Khari f 2018	Metabolic imbalance of mineral nutrition	Assessment	LPM	Goat	Irrigated	10	10	Assessment of creep ration on growth performance of kid (IIIrd yr)	No use of ration (Farmer Practice)	Balance Ration 50-100 gm/day/kid Maize 40%+	-	-	-				

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)				
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃		
										Groundnut cake 30% + Wheat bran 10% + Deoiled rice bran 13% + Molasses 5%+ Mineral mixture 2% + salt 2% fortified with vit. A,B2 & D3 & antibiotic feed supplement.						
Khari f 2018	Slow growth rate indigenous breed due to deficiency	Assessment	Poultry Production & Management	Poultry Birds	Low Rainfed	07	07 (20 birds each)	Assessment of azolla as a source of protein in backyard poultry (IInd yr)	No protein supplements (Farmer Practice)	Supplementation of 50 gm azolla with normal feed	Supplementation of 50 gm azolla with normal feed + 2% mineral mixture	-	-	-		

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)			
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃	
	of protein in feed														
Rabi 2018-19	Metabolic imbalance of mineral nutrition	Assessment	LPM	Cow	Irrigated	10	10	Assessment of plain mineral mixture & methochelated mineral mixture in cross bred lactating cattle (IIIrd yr)	No use of mineral mixture (Farmer Practice)	Methochelated mineral mixture @ 30 gm/day/animal	Plain Mineral mixture @ 50gm/day/animal	-	-	-	
Rabi 2018-19	Poor practice of deworming in rural area & no calcium supplementation for lactating animal result in low yield	Assessment	Feed Management	Cow	Irrigated	07	07	Assessment of enhanced milk yield through calcium supplementation & deworming in animal through dewormer	No use of calcium supplementation for milch animals	Deworming by albendazole and calcium supplementation	-	-	-		

Year / season	Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)			Net Returns (Rs./ha)			
									FP T ₁	RP T ₂	RP T ₃	T ₁	T ₂	T ₃	
								albendazole (1st yr.)							
Rabi 2018-19	Unavailability of labour in time, higher cost of transplanting, improper planting	Assessment	HSC	Vegetables	Irrigated	10	10	Assessment of hand held vegetable transplanter (1st yr.)	Manually transplanting	Hand held transplanter (single row)	Hand held transplanter (double row)	-	-	-	

2.1 EXTENSION OFT

Category of technology	Thematic Area/theme	Source of Technology	Target	Title	Objectives	Methodology	Indicators
Study	Electronic & Print Media	JNKVV	60	Study on effective use of different information sources in dissemination of agricultural message (IInd yr)	To identify most effective information sources. • To know the knowledge and adoption level	Problem Identify Selection of Technology Technology Dissemination Feed Back Data Evaluation Conclusion.	Knowledge level Extent of utilization Understanding Extent of dissemination Need & Time based Visibility of the content Applicability of the message

Assessment	ICT	JNKVV	100	Assessment of knowledge & adoption of soil health card based fertilizer application (1st yr)	To find out the awareness, knowledge and adoption of farmers toward soil health card practices. To study the attitude of farmers towards soil health card practices. To study the constraints perceived by the farmers in adoption of soil health card recommendation	Developing of interview schedule for data collection Collect, tabulate and analyse the data	Age, education, family size, social participation, extension participation, mass media exposure, land holding, family income
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2.2 Recommendations of OFTs

S.No	Title of OFT	For Farmers	For Deptt. Personnel
1.	Assessment of variety and sucking pest management in onion under onion-maize/ wheat cropping system (1st yr)	-	-
2.	Assessment of skirting bag & Potassium sulphate against biotic & abiotic stress management for quality banana production (IIIrd yr)	-	-
3.	Assessment of banana based intercropping under soybean-banana cropping system (1st yr)	-	-
4.	Assessment of Ajmer Fennel-1 & Ajmer Fennel-2 variety under Soybean-Fennel + Onion / Garlic Cropping System (1st yr)	-	-
5.	Assessment of soybean & wheat variety for better yield under soybean-wheat cropping system (1st yr.)	-	-
6.	Assessment of different sowing method in pigeon pea (IIIrd yr.)	-	-

7.	Assessment of Sugarcane based intercropping under soybean-sugarcane + chickpea/ coriander cropping system (1st yr.)	-	-
8.	Assessment of short duration variety & management of pod borer in chickpea (1st yr.)	-	-
9.	Assessment of bio-waste decomposer for quality organic product to enhance soil health (1st yr.)	-	-
10.	Assessment of management practice for control of pink ball worm in Bt cotton	-	-
11.	Assessment of creep ration on growth performance of kid (IIIrd yr)	-	-
12.	Assessment of azolla as a source of protein in backyard poultry (IIInd yr)	-	-
13.	Assessment of plain mineral mixture & methochelated mineral mixture in cross bred lactating cattle (IIIrd yr)	-	-
14.	Assessment of enhanced milk yield through calcium supplementation & deworming in animal through dewormer albendazole (1st yr.)	-	-
15.	Assessment of hand held vegetable transplanter (1st yr.)	-	-
16.	Study on effective use of different information sources in dissemination of agricultural message (IIInd yr)	-	-
17.	Assessment of knowledge & adoption of soil health card based fertilizer application (1st yr)	-	-

2.3 Economic Performance: NA

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Assessment of variety and sucking pest management in onion under onion-maize/ wheat cropping system (1st yr)	-	-	-	-	-	-	-	-	-	-	-	-

Assessment of skirting bag & Potassium sulphate against biotic & abiotic stress managment for quality banana production (IIIrd yr)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of banana based intercropping under soybean-banana cropping system (Ist yr)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Ajmer Fennel-1 & Ajmer Fennel-2 variety under Soybean-Fennel + Onion / Garlic Cropping System (Ist yr)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of soybean & wheat variety for better yield under soybean-wheat cropping system (Ist yr.)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of different sowing method in	-	-	-	-	-	-	-	-	-	-	-	-

pigeon pea (IIIrd yr.)													
Assessment of Sugarcane based intercropping under soybean-sugarcane + chickpea/ coriander cropping system (Ist yr.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of short duration variety & management of pod borer in chickpea (Ist yr.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of bio-waste decomposer for quality organic product to enhance soil health (Ist yr.)	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of management practice for control of pink ball worm in Bt cotton	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of creep ration on growth performance of	-	-	-	-	-	-	-	-	-	-	-	-	-

kid (IIIrd yr)												
Assessment of azolla as a source of protein in backyard poultry (IIInd yr)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of plain mineral mixture & methochelated mineral mixture in cross bred lactating cattle (IIIrd yr)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of enhanced milk yield through calcium supplementation & deworming in animal through dewormer albendazole (Ist yr.)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of hand held vegetable transplanter (Ist yr.)	-	-	-	-	-	-	-	-	-	-	-	-
Study on effective use of different information sources in	-	-	-	-	-	-	-	-	-	-	-	-

dissemination of agricultural message (IInd yr)												
Assessment of knowledge & adoption of soil health card based fertilizer application (1st yr)	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2017-18)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area (ha)
Wheat	Varietal Replacement	Variety, HI-1418	Training- Farmer, In-service, Plot Visit, Field day.	01	24	10
Maize	Varietal Replacement	Variety, JM-421	Training- Farmer, In-service, Plot Visit, Field day.	02	25	10
Jowar	Varietal Replacement	Variety, JJ 1041	Training- Farmer, In-service, Plot Visit, Field day.	02	12	1 8
Chilli	IPM	Appl. Imidachlorprid @ 100 ml/ha.	Training- Farmer, In-service, Plot Visit, Field day.	02	17	10
Onion	IPM	Appl. Imidachloroprid @ 100 ml/ha.	Training- Farmer, In-service, Plot Visit, Field day.	02	12	8
Wheat	WOE	Serrated Sickle	Training to Farm Women	02	150	-
Vegetable & Fruits	Nutritional Security	Planned round the year availability of nutritive vegetable and fruits in the garden	Training- Farmer, In-service, Plot Visit, Field day.	02	75	-
Maize	WOE	Tubular Maize Sheller	Training to farm women	03	200	-
Soybean	IPM	SDP, one spray of trizophos	Training- Farmer, In-service,	03	119	62

		at 40-45 DAS + Pheromontrap	Plot Visit, Field day.			
Soybean	SFM	Application of 25 kg sulphur/ha through SSP.	Training- Farmer, In-service, Plot Visit, Field day.	02	425	275
Soybean	VR	Soybean Variety JS 9752, yield potential 25-30q/ha, white flower & 98-102 days duration	Training- Farmer, In-service, Plot Visit, Field day.	02	25	08
Soybean	VR	Soybean Variety JS 9560, Yield potential 18-20q/ha.	Training- Farmer, In-service, Plot Visit, Field day.	02	240	86
Urd	VR	JU-86 Yield potential 12-15 q/ha.	Training- Farmer, In-service, Plot Visit, Field day.	02	10	10
Cotton	ICM	Use of micro nutrient, Bio fertilizer, pesticides and growth regulators	Training- Farmer, In-service, Plot Visit, Field day.	04	500	221
Banana	INM	Use of FYM 5 kg/plant, NPK 200 : 50 : 300 gm/plant	Training- Farmer, In-service, Plot Visit, Field day.	04	410	261
Maize	ICM	Hybrid Variety, Zinc Application with RDF	Training- Farmer, In-service, Plot Visit, Field day.	04	398	189
Wheat	VR	Wheat variety GW366, 50-60 qtls yield potential	Training- Farmer, In-service, Plot Visit, Field day.	03	125	69
Wheat	SFM	Application of NPK @ 120:60:40 kg/ha.	Training- Farmer, In-service, Plot Visit, Field day.	02	594	339
Gram	VR	JG-130, yield potential 20-25 q/ha., resistant to wilt and tolerant to pod borer	Training- Farmer, In-service, Plot Visit, Field day.	02	1145	567
Soybean	VR	Soybean Variety JS 9305, Yield potential 25q/ha and medium duration	Training- Farmer, In-service, Plot Visit, Field day.	21	1345	568
Cucurbits	ICM	POP with plant growth regulator in water melon	Training- Farmer, In-service, Plot Visit, Field day.	5	25	12
Maize	WOE	Tubular maize Sheller	Training- Farmer, In-service, Plot Visit, Field day.	15	149	-
Soybean	IPM	SDP + One spray of	Training- Farmer, In-service,	18	220	112

		trizophos at 40-45 DAS+ Pheroman trap	Plot Visit, Field day.			
Soybean	SFM	Application of 25 kg/ha Sulphur through SSP	Training- Farmer, In-service, Plot Visit, Field day.	58	2135	1000
Soybean	VR	Soybean Variety JS 9560, Yield potential 18-20q/ha	Training- Farmer, In-service, Plot Visit, Field day.	34	1752	674
Urd	VR	Urd variety IPU94-1	Training- Farmer, In-service, Plot Visit, Field day.	05	42	11
Gram	IPM	IPM in gram	Training- Farmer, In-service, Plot Visit, Field day.	17	146	52
Maize	ICM	Hybrid Var.+ zinc application with RDF	Training- Farmer, In-service, Plot Visit, Field day.	12	865	35
Wheat	VR	Wheat Var.GW322 yield potential 55-60q/ha	Training- Farmer, In-service, Plot Visit, Field day.	34	1589	647
Wheat	SFM	RDF helping in increase the production i.e.80:40:30Kg NPK ha.	Training- Farmer, In-service, Plot Visit, Field day.	24	2130	968
Gram	VR	Gram var.JG 130 resistant to pod borer wilt	Training- Farmer, In-service, Plot Visit, Field day.	148	2648	1086
Cotton	IPM	Demonstration of acetamaprid 20 % SP @100 gm /ha. & imidachloropid 18.8% SL @ 125 ml/ha at the time of 12 days interval for each to control of sucking pest in cotton	Training- Farmer, In-service, Plot Visit, Field day.	1	10	4 ha
Soybean	IPM	Rynaxypyer 20% AC @ 100 ml/ha. To control of girdle beetle in soybean	Training- Farmer, In-service, Plot Visit, Field day.	1	10	4 ha
Chickpea	IPM	Rynaxypyer 20% AC @ 100 ml/ha. To control of pod borer in chickpea	Training- Farmer, In-service, Plot Visit, Field day.	1	10	2 ha.
Banana	HOF	Use of systemic & contact	Training- Farmer, In-service,	1	05	2 ha.

		fungicide+ benole oil for management of sigatoka disease in banana	Plot Visit, Field day.			
Water melon	HOV	Spray of GA3 at 2 & 4 leaf stage for induction of female flowers in water melon	Training- Farmer, In-service, Plot Visit, Field day.	1	05	2 ha.
Onion	HOV	Use of oxyflorophen weedicide 250 ml/ha. (pre emergence)	Training- Farmer, In-service, Plot Visit, Field day.	1	05	2 ha.
Jowar	INM	RDF in Jowar	Training- Farmer, In-service, Plot Visit, Field day.	1	05	2 ha.
Maize	SFM	Application of zinc in maize	Training- Farmer, In-service, Plot Visit, Field day.	1	05	2 ha.
Chilli	INM	RDF in chilli	Training- Farmer, In-service, Plot Visit, Field day.	1	05	2 ha.
Onion	INM	Sulphur application in onion	Training- Farmer, In-service, Plot Visit, Field day.	1	05	2 ha.
Cow	LPM	Mineral Mixture	Training- Farmer, In-service, Plot Visit, Field day.	1	10	10
Cow	LPM	Ivermectin as effective endo-ecto parasiticide	Training- Farmer, In-service, Plot Visit, Field day.	1	10	10
Soybean	CRP	Weedicide (Emida Thapar+ Emiza mox)	Training- Farmer, In-service, Plot Visit, Field day.	1	10	4 ha.
Wheat	CRP	Wheat variety HI 1544 Purna	Training- Farmer, In-service, Plot Visit, Field day.	1	5	2 ha.
Chilli	HOV	Plant growth regulator for control of flower and fruit crop in chilli	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Banana	HOF	Use of systemic & contact fungicide + benole oil for management of sigatoka disease in banana	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Water Melon	HOV	Control of fruit fly in water	Training- Farmer, In-service,	1	5	2ha

		melon	Plot Visit, Field day			
Onion	HOV	Sulphur application in onion	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Soyabean	CRP	Use of Imajathapar + Imazamox in soybean	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Soyabean (oilseed)	CRP	Demonstration of variety JS 9305	Training- Farmer, In-service, Plot Visit, Field day	1	15	6ha
Wheat	CRP	Demonstration of wheat variety HI-1544	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Wheat	CRP	Use of metrabuzin in wheat for the control of weeds	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Gram (pulse)	CRP	Demonstration of variety JAKI 9218	Training- Farmer, In-service, Plot Visit, Field day	1	15	6ha
Soybean	SFM	Application of Sulphur in soybean	Training- Farmer, In-service, Plot Visit, Field day	1	10	4ha
Maize	PLP	Demonstration of cartaphydrochloride 4% to control of stem borer in maize	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Onion	PLP	Demonstration of spinosad to control of sucking pest in onion	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Chick pea	PLP	Demonstration of IPM in chickpea	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Sugarcane	PLP	Demonstration of fipronil 0.3% GR to control of early shoot & root borer in sugarcane	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Chilli	HOV	Demonstration of Plant growth regulator for control of flower and fruit drop in chilli crop	Training- Farmer, In-service, Plot Visit, Field day	1	5	2 ha.
Banana	HOF	Demonstration of	Training- Farmer, In-service,	1	5	1 ha

		systemic & contact fungicide + benole oil for management of sigatoka disease in banana	Plot Visit, Field day			
Banana	HOV	Demonstration of Banana shakti (A source of mineral)	Training- Farmer, In-service, Plot Visit, Field day	1	5	2 ha
Onion	HOV	Demonstration of Sulphur application in onion	Training- Farmer, In-service, Plot Visit, Field day	1	5	2 ha
Soybean	CRP	Demonstration of Sulphur application in Soybean	Training- Farmer, In-service, Plot Visit, Field day	1	10	04 ha.
Wheat	CRP	Demonstration of wheat variety HI-1544	Training- Farmer, In-service, Plot Visit, Field day	1	05	02 ha.
Gram	CRP	Demonstration of ammonium molybdenum in gram	Training- Farmer, In-service, Plot Visit, Field day	1	05	02 ha
Chilli	PLP	Demonstration of IPM module in chilli	Training- Farmer, In-service, Plot Visit, Field day	1	05	02 ha
Soybean	PLP	Demonstration of insecticide for management of girdle beetle in soybean	Training- Farmer, In-service, Plot Visit, Field day	1	05	02 ha
Watermelon	PLP	Demonstration for management of fruit fly in water melon	Training- Farmer, In-service, Plot Visit, Field day	1	05	02 ha
Chick pea	PLP	Demonstration for management of weed in Chickpea	Training- Farmer, In-service, Plot Visit, Field day	1	05	02 ha
Cow	LPM	Demonstration of mineral mixture @ 40 gm/day/animal for lactating cattle	Training- Farmer, In-service, Plot Visit, Field day	1	10	10
Cow	LPM	Demonstration of Ivermectine as an effective	Training- Farmer, In-service, Plot Visit, Field day	1	10	10

		ecto. & endo. paracitidal in dairy cattle				
Goats	LPM	Demonstration the use of Anthelmintics (Fenbendazole) Drugs in goats	Training- Farmer, In-service, Plot Visit, Field day	1	10	10
Cow	LPM	Demonstration of Azolla low cost feed in lactating cattle	Training- Farmer, In-service, Plot Visit, Field day	1	10	10

3.2 Details of FLDs to be implemented during 2018-19

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demonstrations	Check		SC	ST	OB C	Others	Total
HOV	Vegetables	Kharif 2018	Demonstration of Nutrition kitchen garden in nutri smart village	10	Vegetables	-	-	-	-	-	-	-	10
HOF	Banana	Kharif 2018	Demonstration of fertigation technology in Banana	05 (1000 plants)	INM	-	-	-	-	-	-	-	05
HOV	Coriander	Rabi 2018-19	Demonstration on nutrient management in coriander	02.5 ha	Nutrient Management	-	-	-	-	-	-	-	07

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demonstrations	Checks		SC	ST	OB C	Others	Total
HOV	Garlic	Rabi 2018-19	Demonstration of Garlic variety	02 ha	G-384	-	-	-	-	-	-	-	05
CRP	Soybean	Kharif 2018	Demonstration of Diclosulam as pre emergence weedicide in Soybean	02 ha.	CRP	-	-	-	-	-	10	-	10
CRP	Maize	Kharif 2018	Demonstration of split nitrogen application in Maize	02 ha.	CRP	-	-	-	-	-	10	-	10
CRP	Wheat	Rabi 2018-19	Demonstration of wheat variety HI-1544	02 ha.	VR	-	-	-	-	-	-	05	05
CRP	Gram	Rabi 2018-19	Demonstration of ammonium molybdenum in gram	02 ha	IWM	-	-	-	-	-	-	05	05

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demonstrations	Check		SC	ST	OB C	Others	Total
PLP	Soybean	Kharif 2018	Demonstration of insecticide for management of girdle beetle in soybean	02 ha	IPM	-	-	-	-	-	05	-	05
PLP	Watermelon	Rabi 2018-19	Demonstration for management of fruit fly in water melon	02 ha	IPM	-	-	-	-	05	-	-	05
PLP	Chick pea	Rabi 2018-19	Demonstration for management of Fusarium wilt disease in Chickpea	02 ha	IDM	-	-	-	-	-	-	05	05

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demonstrations	Check		SC	ST	OB C	Others	Total
LPM	Sorghum Barseem & Maize	Round the year	Demonstration on fodder management of cow by using seasonal forage crop Kharif-sorghum (MP Chari) Rabi-Barseem (BB 2) Zaid- Maize (African Tall)	7	Sorghum (MP Chari), Barseem (BB 2) & Maize (African Tall)						07		07
LPM	Cow	Kharif 2018	Demonstration of Ivermectine as an effective ecto. & endo. paraciticial in dairy cattle	10	LPM	-	-	-	-	-	-	-	10
LPM	Cow	Rabi 2018-19	Demonstration of vermicompost as secondary source of income generation	07	LPM	-	-	-	-	-	-	-	07

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers					
						Demonstrations	Check		SC	ST	OB C	Others	Total	
Poultry Production and Management	Poultry bird	Rabi 2018-19	Demonstration on Improved desi bird for backyard poultry	30 birds/farmer	Satpuda desi					10				10
Social Media	Whats App	Around the Year	Demonstration on effective use of Social Media (Whats App) in dissemination of agricultural message	100	Whats App	-				-	-	-	-	100

3.3 Economic Impact of FLD :

Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Vegetables	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Banana	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Coriander	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-

Garlic	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Soybean	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Maize	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Wheat	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Gram	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Soybean	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Soybean	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Watermelon	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Chick pea	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-
Sorghum Barseem & Maize	Production/ha Milk yield/day/lit/cow	-	-	-	-	-	-	-	-	-	-
Cow	Milk yield/day/lit	-	-	-	-	-	-	-	-	-	-
Cow	Milk yield/day/lit	-	-	-	-	-	-	-	-	-	-
Poultry bird	BW at birth BW at 3 months(kg) Mortality	-	-	-	-	-	-	-	-	-	-
Whats App	Yield (Q/ha)	-	-	-	-	-	-	-	-	-	-

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Garlic	Field days	01	20	01
	Farmers Training	01	20	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01
Banana	Field days	02	40	01
	Farmers Training	02	40	01
	Media coverage	02	Mass	01
	Training for extension functionaries	01	15	01
Onion	Field days	01	20	01
	Farmers Training	01	20	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01
Soybean	Field days	03	60	01
	Farmers Training	03	60	01
	Media coverage	03	Mass	01
	Training for extension functionaries	01	15	01
Wheat	Field days	01	20	01
	Farmers Training	01	20	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01
Chickpea	Field days	02	40	01
	Farmers Training	02	40	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01
Maize	Field days	01	20	01
	Farmers Training	01	20	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01
Livestock &	Field days	04	80	01

Poultry	Farmers Training	04	80	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01
Water Melon	Field days	01	20	01
	Farmers Training	01	20	01
	Media coverage	01	Mass	01
	Training for extension functionaries	01	15	01

3.5 Details of FLD on crop hybrids : NA

Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Feedback			
Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Technology/ Variety tested by Krishi Vigyan Kendra through OFT & FLD as per the problem identified at farmer's field and recommended technology suiting to our requirement.	Interaction with farmers Through Training & workshop Through Group meeting & field days	As per farmers feedback OFT/ FLD of different latest proven technology is helpful to increase the production & productivity of the existing crop which in turn increasing the farm income per unit area.	As per the result obtained & discussion with the farmers it has come that farmers will adopt the technology demonstrated by the KVK.

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Burhanpur	OFTs on different thrust area conducted by KVK as per need of the district. Technologies undertaken in OFTs, well suited for the district and accelerated the production & productivity of the crop as well as other enterprises on experimental unit. There is no any refinement in conducted OFTs, technologies. Hence it is concluded that demonstrated OFTs technologies recommended for micro situation at the kvk end.

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only.
2. For category, training type and thematic area, use abbreviations only.

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
FW	-	-	-
RY	-	-	-
IS	-	-	-
VTP	-	-	-

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14	15
F&FW	OFC	HOV (Post harvest management)	Different structure for storage of onion	1	1	25	-	-	-	-	-	-	-	-
F&FW	OFC	HOF	Variety and sucking pest management in onion under onion-maize/ wheat cropping system	1	1	25	-	-	-	-	-	-	-	-
F&FW	OFC	HOF	Skirting bag & Potassium sulphate against biotic & abiotic stress management for quality banana	1	1	25	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14	15
			production											
F&FW	OFC	HOF	Banana based intercropping under soybean-banana cropping system	1	1	25	-	-	-	-	-	-	-	-
F&FW	OFC	HOV	Ajmer Fennel-1 & Ajmer Fennel-2 variety under Soybean-Fennel + Onion / Garlic Cropping System	1	1	25	-	-	-	-	-	-	-	-
F&FW	OFC	HOF	Fertigation technology in Banana	01	01	25	-	-	-	-	-	-	-	-
F&FW	ONC	HOV	Nutrient management in coriander	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	HOV	Garlic variety	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	ICM	Soybean & wheat variety for better yield under soybean-wheat cropping system	1	1	25	-	-	-	-	-	-	-	-
F&FW	OFC	CRP	Different sowing method in pigeon pea	1	1	25	-	-	-	-	-	-	-	-
F&FW	OFC	CRP	Sugarcane based intercropping	1	1	25	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14	15
			under soybean-sugarcane + chickpea/ coriander cropping system											
F&FW	OFC	CRP	Diclosulam as pre emergence weedicide in Soybean	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	CRP	Split nitrogen application in Maize	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	CRP	Wheat variety HI-1544	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	CRP	Ammonium molybdenum in gram	01	01	25	-	-	-	-	-	-	-	-
F&FW	ONC	CRP PLP	Short duration variety & management of pod borer in chickpea	1	2	25	-	-	-	-	-	-	-	-
F&FW	OFC	NRM	Bio-waste decomposer for quality organic product to enhance soil health	1	5	25	-	-	-	-	-	-	-	-
F&FW	ONC	PLP	Management	01	02	25	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14	15
			practice for control of pink ball worm in Bt cotton											
F&FW	ONC	PLP	Insecticide for management of girdle beetle in soybean	01	02	25	-	-	-	-	-	-	-	-
F&FW	ONC	PLP	Management of fruit fly in water melon	01	02	25	-	-	-	-	-	-	-	-
F&FW	OFC	PLP	Management of Fusarium wilt disease in Chickpea	01	01	25	-	-	-	-	-	-	-	-
F&FW	ONC	LPM	Creep ration on growth performance of kid	01	02	25	-	-	-	-	-	-	-	-
F&FW	ONC	Poultry Production & Management	Azolla as a source of protein in backyard poultry	01	02	25	-	-	-	-	-	-	-	-
F&FW	ONC	LPM	Plain mineral mixture & methochelated mineral mixture in cross bred lactating cattle	01	02	25	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14	15
F&FW	ONC	Feed Management	Enhanced milk yield through calcium supplementation & deworming in animal through dewormer albendazole	01	02	25	-	-	-	-	-	-	-	-
F&FW	OFC	LPM	Fodder management of cow by using seasonal forage crop Kharif-sorghum (MP Chari) Rabi-Barseem (BB 2) Zaid- Maize (African Tall)	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	LPM	Ivermectine as an effective ecto. & endo. paraciticial in dairy cattle	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	LPM	Vermicompost as secondary source of income generation	01	01	25	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
F&FW	OFC	LPM	Improved desi bird for backyard poultry	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	WOE	Nutrition kitchen garden in nutri smart village	01	01	25	-	-	-	-	-	-	-	-
F&FW	OFC	ICT	Effective use of Social Media (Whats App) in dissemination of agricultural message	01	01	25	-	-	-	-	-	-	-	-
F&FW	ONC	HSC	Hand held vegetable transplanter	01	02	25	-	-	-	-	-	-	-	-
F&FW	OFC	ICT	Effective use of different information sources in dissemination of agricultural message	01	02	25	-	-	-	-	-	-	-	-
F&FW	OFC	SHM	Knowledge & adoption of soil health card based fertilizer application	01	02	25	-	-	-	-	-	-	-	-
IS	OFC	PLP	Vermicompost	01	02	20	-	-	-	-	-	-	-	-
IS	ONC	HOFV	Nursery	01	02	20	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			Management											
IS	ONC	LPM	Feed Management	01	02	20	-	-	-	-	-	-	-	

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Bee Keeping	Bee	PLP	03	-	-	-	20	-	-
Training & Pruning	Horticultural Crops	HOFV	03	-	-	-	-	20	-
Goatry Production & Management	Goat	LPM	03	-	-	-	20	-	-
Value Addition	Soybean	WOE	03	-	-	-	-	-	20

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs:

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
-	-	-	-	-

Table 5.5. Sponsored Training Programmes: As per allotment (Till Date Not Decided)

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members: As per allotment

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings):

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 4. Area expanded (ha) 5. No. of farmers adopted (no.) 6. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Field Day	12	-	-	-	-	-	-	-	Demonstration of technologies	Soybean, Gram, wheat, Urd, Banana, Chilli, maize	Harvest stage
Kisan Mela	01	-	-	-	-	-	-	-	Showcase of latest technologies	As per need of the district	-
Kisan Ghosthi	02	-	-	-	-	-	-	-	Awareness about latest technologies of	Wheat, Soybean banana	Before onset of the season

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
									the crop	Cotton Sugarcane	
Exhibition	02	-	-	-	-	-	-	-	Showcase of latest technologies	As per need of the district	-
Film Show	12	-	-	-	-	-	-	-	Awareness about latest technologies of the crop	Wheat, Soybean banana Cotton Sugarcane	Before onset of the season and during the crop season
Method Demonstrations	17	-	-	-	-	-	-	-	-	-	-
Farmers Seminar	02	-	-	-	-	-	-	-	Awareness about latest technologies of the crop & interaction with the scientist	Wheat, Soybean banana Cotton Sugarcane & other allied activities	Before onset of the season and during the crop season
Workshop	01	-	-	-	-	-	-	-	Awareness about latest technologies of the crop & interaction with scientist	Wheat, Soybean banana Cotton Sugarcane & other allied activities	Before onset of the season and during the crop season
Group meetings	12	-	-	-	-	-	-	-	-	-	-
Lectures delivered as	As per	-	-	-	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks			
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages	
			M	F	M	F	M	F				
resource persons	need											
Newspaper coverage	As per need	-	-	-	-	-	-	-	-	Mass	-	-
Radio talks	As per need	-	-	-	-	-	-	-	-	Mass	-	-
TV talks	As per need	-	-	-	-	-	-	-	-	Mass	-	-
Popular Articles	As per need	-	-	-	-	-	-	-	-	Mass	-	-
Extension Literature	05	-	-	-	-	-	-	-	-	Mass	-	-
Farm Advisory Services	As per need	-	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	As per need	-	-	-	-	-	-	-	-	-	-	-
Farmers Visit to KVK	As per need	-	-	-	-	-	-	-	-	Quarry related to the agricultur & other allied activities	Wheat, Soybean banana Cotton Sugarcane & other allied activities	During the crop period
Diagnostic Visits	24	-	-	-	-	-	-	-	-	To address problem related to the farming	Wheat, Soybean banana Cotton Sugarcane & other allied activities	During the crop period

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Exposure Visits	As per need	-	-	-	-	-	-	-	Awareness about latest technologies of the crop & interaction	Wheat, Soybean banana Cotton Sugarcane & other allied activities	During the crop period
Ex-trainees Sammelan	02	-	20	-	20	-	-	-	Sharing of experiences		
Soil Health Camp	06	-	-	-	-	-	-	-	Protection & mgt of soil	-	-
Animal Health Camp	02	-	-	-	-	-	-	-	vaccination & De-worming	Milch animals	as per season
Soil Test Campaigns	12	-	-	-	-	-	-	-	Awareness about soil testing	-	After harvesting of Rabi crops
Self Help Group conveners meetings	4	-	-	40	-	-	-	-		-	-
Clean India Awareness Campaign	12	-	20	120	60	-	-	-	Awareness About Cleaniness	-	-

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Oilseed	Soybean	JS-9305 , JS-335, RVS 2001-4, NRC-86	SD	3.0	Qtl	18000	-
Pulse	Pigeonpea	TJT 501, Rajiv lochan	SD	25	Kg	4000	-
Cereal	Wheat	MP-1203, HI-1544, GW-366	SD	1.2	Qtl	3400	-

7.2 Planting Material production:

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					sVariety	Type of Produce	Qty. (Nos)	Cost of inputs	Gross income	
Vegetable	Brinjal	-	-	-	Hybrid	PM	10000	-	-	-
Vegetable	Onion (seedlings)	-	-	-	NHRDF red 3, Bhima Super & Bhima Shakti	PM	5 acre	-	-	-
Vegetable	Chilli (nursery)	-	-	-	Syngenta 12, Siemens 4884	PM	50000	-	-	-
	Karonda/ Sapota/ Custard Apple/ Jamun/ Neem				Desi		2000			

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : NA

Name of the Product	Qty	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
BIOAGENTS	-	-	-	-
BIOFERTILIZERS	-	-	-	-
BIO PESTICIDES	-	-	-	-

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	-	-	-	-	-	-
Buffalo	-	-	-	-	-	-
Sheep and Goat	-	-	-	-	-	-
Poultry	Kadaknath	Eggs & Meat	-	-	-	-
Fisheries	-	-	-	-	-	-
Others (Specify)	-	Worms	As per requirement	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Soil testing Mini Kit purchased
 Year of establishment : - Purchase of soil testing kit in 2015

8.1 Details of soil & water samples analyzed so far :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	2500	5000	20	-	-
Water Sample	NA	-	-	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/STParticipants		
				Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

No. of messages to be sent	No. of beneficiaries		Major recommendations
	Farmers	Ext. Pers. & line deptt. officers	
100	20000	74	Varietal choice, Plant protection, crop management, fertilizers mgt, weather based do's & Don'ts, Dairy, Marketing, Epidemic of disease & pest.

11. Details of SAC Meeting

Date of SAC meeting	No. of SAC members attended	Major recommendations
Kharif	25	-
Rabi	25	-

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
July 2008	April-June 2018	500	500
	July-September 2018	500	500
	October-December 2018	500	500
	January-March 2019	500	500

Note - Number of Literatures published in 2018-19

12.2 Details of Electronic Media to be Produced

Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
As per need	-	01

12.3 PUBLICATIONS (Published 2018-19)

Type	Periodicity	Supported By	Number of copies printed
	Title	Author's name	Number of copies distributed
Leaflet	Contigent Plan	KVK	25
	Technology introduced	KVK	25
	Action Plan for Sansad Adarsh Gram	KVK	25

	Soil Testing	KVK	300
	Clenaliness	KVK	300
Folder	Crop Cafeteria	KVK	25
	District Profile	KVK	25
Extension Bulletin	Technology Mapping in Burhanpur District	KVK	10
Popular Article	April 2018- March 2019	KVK	As per need
News Paper Coverage	April 2018- March 2019	KVK	As per need
Year Planner	April 2018- March 2019	KVK	25

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA	State	500000	Demonstration Pulse & oilseed crops, Spices, Honeybee, Goatry & Poultry Feed & Disease management, Capacity Building, Farm School, CD Package	Whole district	Agriculture & allied activities based program
Agriculture Dept.	State	250000	Soil Testing & celebration of World soil health day		
Mukh Mantri Khet Tirth Yojna	State	700000	Demo Unit (Poly House & Vermicompost)		

14. Utilization of Farmers Hostel

Accommodation available (No. of beds):

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-		-	-	-	-

15. Utilization of Staff Quarters

Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
-	-	-	-	-

16. Details of KVK Agro-technological Park

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent? (ZPD/DES/any other,pl. sp.)
1	Burhanpur	Yes	ZPD / DES

b) Details about Technology Park

Name of Component of Park	Detail Information (If established)
Crop Cafeteria	Soybean : JS-2029,JS-2034,JS-335,JS 9305,JS 9560,RVS 2011-18,RVS 2011-04,MACS-118 Spices : Ajwain, Kalongi/ Mangrail, Saunf, Jeera, Garlic, turmeric Medicinal Plant : Tulsi, Safed Musli, Satavar Wheat : HI 8627, HI 1531, HI 8663, HI 1500, HI 1418, HI 2932, HI 1479, HI 1544, HI 8498, DL 788-2, Kudrat 18,kudrat 9, Malav Shakti, Navin Chandausi, GW 322 Gram - JG 6, JG 218, JG 17, JG 11, vijay, kabuli Others : Moong, Urd
Nutritional Garden	Rabi: (2014-15): Brinjal, Tomato, Chilli, Spinach, Feungreek, Corriander, Onion, Cauliflower and cabbage
Technology Desk	-
Visitors Gallery	-
Technology Exhibition	-
Technology Gate-Valve	-

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Varietal	02
2	Nursery	02

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of kvk	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Burhanpur	-	-	-

18. KVK interaction with progressive farmers

Each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	05.05.2018	25
2.	12.07.2018	15
3.	20.10.2018	25
4.	18.11.2018	20
5.	19.12.2018	18
6.	13.02.2019	20

19. Outreach of KVK

Number of Blocks		Number of Villages	
Intensive	Extensive	Intensive	Extensive
02	-	20	230

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable

S. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
-	-	-	-	-

21. KVK Ring

S. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	KVK Khandwa	Participation in SAC meeting, Deputation of scientist in training Kisan Sangosthi Vocational Training Programme Telephonic discussion	Exchange of ideas & experiences
2.	KVK Indore	Participation in SAC meeting & exposure visit, telephonic discussion	Exchange of ideas & experiences

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Burhanpur	Will be presented in APR 2018-19	-	-

23. Status of KVK Website:

S. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Burhanpur	01.03.2015	-	-

24. Status of RTI : NA

S. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Burhanpur	-	-

25. E-CONNECTIVITY (ERNET Lab) : NA

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Burhanpur	-	-	-	-	-	-	-

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies	01	100	Crop/Horticulture/Vermicompost/livestock
Lectures organized	06	400	Crop/ Horticulture and live stock
Exhibition	01	-	-
Film show	06	230	Crop/ Horticulture and live stock
Fair	-	-	-
Farm Visit	04	10\50	Different Crops at KVK farm
Diagnostic Practical's	-	-	Crop
Distribution of Literature (No.)	-	500	Crop and live stock
Distribution of Seed (q)	-	-	-
Distribution of Planting materials (No.)	-	-	-
Bio Product distribution (Kg)	-	-	-
Bio Fertilizers (q)	-	-	-
Distribution of fingerlings (No)	-	-	-
Distribution of Livestock specimen (No.)	-	-	-
Total number of farmers visited the technology week	-	-	-

27. INTERVENTIONS ON DROUGHT MITIGATION: NA

Introduction of alternate crops/varieties

S.No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Burhanpur	-	-	-

Major area coverage under alternate crops/varieties

S.No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Burhanpur	Oilseeds	-	-
2	Burhanpur	Pulses	-	-
3	Burhanpur	Cereals	-	-
4	Burhanpur	Vegetable crops	-	-
6	Burhanpur	Fruits	-	-
8	Burhanpur	Cotton	-	-
		Total	-	-

Farmers-scientists interaction on livestock management

S.No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Burhanpur	Dairy Management	1	25
2	Burhanpur	Disease management	1	25
3	Burhanpur	Feed and fodder technology	1	25
4	Burhanpur	Poultry management	1	25
5	Burhanpur	Goatry Management	1	25

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Burhanpur	02	600	150

Seed distribution in drought hit states : NA

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Burhanpur	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Burhanpur	Drumsticks	5000	-	50

Bio-control Agents : NA

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Burhanpur	-	-	-	-

Bio-Fertilizer : NA

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Burhanpur	-	-	-	-

Vermis Produced

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Burhanpur	Earthworms	0.25	-	5

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Burhanpur	-	-	-

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Burhanpur	05	100	02	200	05	150	01	500	1	500	04	Mass

28. Proposal of NICRA: NA**29. Proposed works under NAIP (in NAIP monitoring format) : NA****30. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Burhanpur	63024341978	23203.00	24259.00	45759.00

31. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Burhanpur	-	-	-	-

32. Case study / Success Story to be developed –

S. No.	Name of KVK	No. of success stories	No. of case studies
1	Burhanpur	01	01

4. KVK, Indore

PERIOD – April 2018 to March, 2019

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
OFTs	21	918	-	-	-
FLDs – Oilseeds (activity in ha)	7.5	23	-	-	-
FLDs – Pulses (activity in ha)	2.5	10	-	-	-
FLDs – Cotton (activity in ha)	0	0	-	-	-
FLDs – Other than Oilseed and pulse crops(activity in ha)	10	40	-	-	-
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	12	180	-	-	-
Training-Farmers and farm women	53	1060	-	-	-
Training-Rural youths	13	260	-	-	-
Training- Extension functionaries	06	120	-	-	-
Extension Activities	1189	4520	-	-	-
Seed Production (Number of activity as seeds in quintal)	70	-	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	-	-	-	-	-
Seedling Production (Number of activity as number of seedlings in numbers)	-	-	-	-	-
Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
Other Bio- products (No. of quantity)	-	-	-	-	-
Live stock products	-	-	-	-	-
Activities of Soil and Water Testing Laboratory	1000	1000	-	-	-
Rainwater Harvesting System	-	-	-	-	-
Kisan Mobile Advisory (KVK-KMA)	104	38000	-	-	-
SAC Meeting (Date & no. of core/ official members)	2	50	-	-	-
Literature to be Developed/Published	20	-	-	-	-
Convergence programmes / Sponsored programmes	3	-	-	-	-

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Utilization of Farmers Hostel	77	380	-	-	-
Utilization of Staff Quarters	8	-	-	-	-
Details of KVK Agro-technological Park	-	-	-	-	-
Crop Cafeteria-	2	-	-	-	-
Farm Innovators- list of 10 farm innovators from the District	-	-	-	-	-
Status of Revolving Funds	-	-	-	-	-
Awards and Recognitions	-	-	-	-	-
Case study / Success Story to be developed	2	2	-	-	-
KVK Progressive Farmers interaction	3	90	-	-	-
Outreach of KVK in the District (No. of blocks, no. of villages)	04	613	-	-	-
Technology Demonstration under Tribal Sub Plan	-	-	-	-	-
KVK Ring	3	3	-	-	-
Important visitors to KVK	-	-	-	-	-
Status of KVK Website	Working	-	-	-	-
Status of RTI	-	-	-	-	-
E-connectivity	-	-	-	-	-
Details of Technology Week Celebrations	-	-	-	-	-
Interventions on Drought Mitigation	-	-	-	-	-
Proposal of NAIP	-	-	-	-	-
Proposal of NICRA	-	-	-	-	-
Well labeled photographs	-	-	-	-	-
Other Activities	-	-	-	-	-

1. GENERAL INFORMATION

1.1. Staff Position (as on 31.03.2018)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Programme Coordinator	Dr. Alok Deshwal	Ani. Hus. & Dairying	Ph.D.	Ani. Hus. & Dairying	37400 – 67000 + 9000 GP	60600	02/01/2006	Permanent	Others
Subject Matter Specialist1	Dr. Radheshyam Tailor	Agril. Extension	Ph.D.	Agril. Extension	15600 - 39100 + 5400 GP	31170	27/04/2002	Permanent	OBC
Subject Matter Specialist2	Dr. Dilip Kumar Mishra	Horticulture	Ph.D.	Horticulture	15600 - 39100 + 5400 GP	31170	06/07/2002	Permanent	Others
Subject Matter Specialist3	Dr. Shri Ram Dadhich	Vety. & A.H.	M.V.Sc.	Vety. Medicine	15600 - 39100 + 5400 GP	29980	26/12/2005	Permanent	Others
Subject Matter Specialist4	Mr. Jitendra Singh	Agril. Engg.	M. Tec.	Soil and Water Conservation	15600 - 39100 + 5400 GP	27420	11/02/2008	Permanent	Others
Subject Matter Specialist5	MS. Archana Kumari	Home Science	M.Sc. Home. Sc.	-	15600 - 39100 + 5400 GP	22280	06/08/2015	On Probation	Others
Subject Matter Specialist6	Mr. Arun Kumar Shukla	Agronomy	M.Sc. (Agronomy)	-	15600 - 39100 + 5400 GP	22280	11/08/2015	On Probation	Others
Programme Assistant	Mr. Nitin Kumar Pachlaniya	Soil Sc.	M.Sc. (Ag.)	Soil Sc. & Ag. Chemistry	9300 - 34800 + 4200 GP	14760	01/09/2014	Permanent	OBC
Farm Manager	Mr. Rakesh Jain	Agril. Extension	M.Sc. (Ag.)	Agril. Extension	9300 - 34800 + 4200 GP	15210	01/03/2013	Permanent	Others

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Programme Assistant (Computer)	Mr. Adarsh Tiwari	Computer Science	M.C.A.	Computer Application	9300 - 34800 + 4200 GP	22050	18/12/2002	Permanent	Others
Accountant / superintendent	Mr. Anurag Tiwari	Commerce	M.B.A.	Finance	9300 - 34800 + 4200 GP	16140	11/04/2011	Permanent	Others
Stenographer	Mr. K. Chanchal	-	B.Sc.	-	5200 - 20200 + 2400 GP	10520	07/08/2015	On Probation	OBC
Driver	Mr. Vijendra Chouhan	-	H.S.S.C.	-	5200 - 20200 + 1900 GP	11420	10/03/2004	Permanent	SC
Driver	Mr. Prakash Ravat		H.S.S.C.	-	5200 - 20200 + 1900 GP	8460	19/08/2014	Permanent	ST
Supporting staff	Mr. Satish Baghela	-	H.S.S.C.	-	4440 - 7440 + 1300 GP	8840	09/03/2004	Permanent	OBC
Supporting staff	Mr. O.P. Mansare	-	H.S.S.C.	-	4440 - 7440 + 1300 GP	6290	16/08/2014	Permanent	SC

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

Geographical area

Indore district lies in the heart of Malwa plateau and covers an area of 3831 sq km. Indore is situated at an altitude of 553 meters above the sea level. It is bounded by N latitudes 22° 31' and 23° 05' and E longitudes 75° 25' and 76° 15' in the survey of India toposheet nos. 46M, 46N and 55B. Indore district is bounded in the north by Ujjain district, in the south by Khandwa district, in the east by Dewas district and in the west by Dhar district. Indore district comes under Malwa plateau. Total geographical area is 381100 ha and net cultivated area is 252424 ha. Out of total cultivated area 166552 is irrigated.

Climate

Due to its location in Central India (approx. 76° E, 23° N), far from the sea, Indore has a moderately extreme climate.

Winter: In winter (November to February), the night low is around 10°C. At the peak of winter, it can be as low as 2 to 3°C. The record low is +1.5°C.

Summer: During summer (April-June) the days are hot (35-40°C) with the peak summer (May) day temperature sometimes touching 45°C. However, unlike other places in central India, the summer nights in Indore are something special. Due to its location on the southern edge of the Malwa Plateau, however hot it may be during the day, in the late evening, cool breeze starts which makes the evenings quite pleasant, referred to as Shab-e-Malwa.

Rainfall: Indore gets moderate rainfall of 30-35 inches (75-80 cms) during July-September due to S. W. Monsoon.

Cultivation

Soybean & Maize in Kharif and Wheat, Gram, Potato, & Garlic in Rabi are being grown by the farmers of Indore district.

Land

The main soil types found are medium black, shallow black, mixed red and skeletal. It consists of large undulating plains of black cotton soil dotted with flat topped hills. These soils are 0.46 to 0.9 meters thick and are rich in lime and lime nodules. The subsoil and the

partially disintegrated rock below allow easy drainage and hence these medium black soils can be freely irrigated. The land use pattern of the district is given in the following table:

LAND USE (sq km)	
Forest area	292.16
Net area sown	1508.87
Cultivable area	1508.87

Opportunities

There is a good scope of cultivation of export quality of wheat, potato, and Garlic. Also there is a very good scope of cultivation of Marigold, Chrysanthemum, and Aster in the surrounding villages of Indore district.

Irrigation: 61.29 % of the total geographic al area is irrigated. Data regarding Irrigation is given below:

IRRIGATION BY DIFFERENT SOURCES (Area and Number of Structures)	Area (sq km)	Number
Dugwells	106.98	12767
Tube wells/Bore wells	1257.04	37852
Tanks/Ponds	13.50	275
Canals	18.43	11
Other Sources	112.92	-
Net Irrigated Area		1508.87

Population

It is a dense populated district wherein the population density is 471 (per Sq.KM.). According to Census 2001, Total population of Indore district is 25, 85,321 (Male13, 52,849 & Female12, 32,472) and literacy percentage is 64.21%.

1.3. DETAILS OF ADOPTED VILLAGE (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kulthana	2018	Mhow	40 km	-	-
Nayapura	2018	Mhow	40 km	-	-
Lakhmankhedhi	2018	Sanwer	42 km	-	-

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Indore	To enhance productivity of oilseed crops through varietal diversification, Integrated Plant Nutrient Management System (IPNMS), Integrated Pest Management (IPM), Integrated Disease Management (IDM), Weed management and scientific management practices.
Indore	To enhance productivity of Pulse crops through varietal diversification, Integrated Plant Nutrient Management System (IPNMS), Integrated Pest Management (IPM), Integrated Disease Management (IDM), Weed management and scientific management practices.
Indore	To enhance productivity of cereals through varietal diversification, Integrated Plant Nutrient Management System (IPNMS), Integrated Pest Management (IPM), Integrated Disease Management (IDM), Weed management and scientific management practices.
Indore	To increase seed replacement rate by seed production programme in Soybean, Wheat and Gram.
Indore	To reduce cost of cultivation by scientific and improve low cost production technologies.
Indore	To aware the farmers about organic farming practices, resource conservation technologies and natural resource management and to motivate the farmers for adopting these technologies.
Indore	To increase risk bearing ability by crop diversification, introduction of more remunerative cropping systems, Agrohorti system, Agroforestry system and live stock based farming systems. Introduction of medicinal and aromatic crops.
Indore	To motivate the farmers for preparation and use of well decomposed, nutrient rich organic manure (Vermicompost, NADEP compost, Phospho compost etc.) along with biofertilizers and balanced use of chemical fertilizers (on soil test basis)
Indore	To improve the Water productivity and Water Use Efficiency by scientific water management practices
Indore	To increase the availability of green fodder through the year for increasing milk production. Introduction of new fodder and forage crops in existing fodder based cropping system.
Indore	To adopt Plant protection measure for important vegetable and flowers crops.
Indore	Use of micronutrient and hormones to enhance productivity and quality of vegetable and flower crops.
Indore	Diversification of farming system through other field crops.
Indore	Diversification of farming system through flower and vegetable cultivation.
Indore	To improve the productivity and quality of Garlic and Potato.
Indore	Introduction of open cultivated flower crops.
Indore	Popularization of Soya products in rural area.
Indore	Nutritional gardening.
Indore	Control and management of stored grain pest.
Indore	To introduce income generating skills among the rural women and school dropout girls.
Indore	To increase milk production by adopting balance diet and mineral nutrition.

Indore	To reduce mortality percentage of calves through proper management.
Indore	Adaptation of proper immunization programme.
Indore	Control of Endo and Ecto parasites.
Indore	Proper utilization of fodder and crop residues chopping, urea treatment, complete feedings etc.
Indore	Selfemployment generating trainings for rural youths.
Indore	Dissemination of seed treatment and biological control techniques.
Indore	Identification of major insect pest of Soybean.
Indore	Efficient use of available irrigation water
Indore	Reduction in labour requirement by using improved implements
Indore	To enhance soil and water conservation practices
Indore	Improvement in tillage practices
Indore	Improvement in crop harvesting technology
Indore	Care and maintenance of plant protection equipments
Indore	To aware farmers about advantages of soil testing

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified	Methods of problem identification	Location Name of Village & Block
Low yield due to improper management in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Block: Mhow – Kulthana & Nayapura. Block: Sanwer –Lakhanmakhedi
Low yield due to lack of INM in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low yield due to infestation of diseases in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low Yield due to weed infestation in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low Yield due to highly pest infestation in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low yield due to improper management in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low yield due to pest infestation in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low yield due to disease incidence in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -

loss of production due to delayed or early harvesting in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
low yield due to imbalance nutrition in maize	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low yield due to improper management in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
low yield due to imbalance nutrition in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low Yield due to weed infestation in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low production due to pest infestation in aonla	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low production due to disease infestation in Chrysenthamum	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low Yield due to improper nutrition in Chrysenthamum	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low production due to disease infestation in Cluster bean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low production due to improper Management in Pea	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low production due to disease infestation in Potato	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low Yield due to old variety in Potato	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low milk yield due to improper feeding in dairy animals	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low productivity due to improper dairy practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Poor health of dairy animals	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Lower efficiency due to improper use & maintenance of farm machinery	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Time and money consumption due to use of traditional farm implements	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -

Low yield due to uneven rainfall distribution	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Unawareness of soil & water conservation methods	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Poor health due to unavailability of nutritious vegetables	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Poor health due to unavailability of nutritious food	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Loss in natural resources	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low productivity of crops due to imbalance nutrition	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Low income of rural youth due to unemployment	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -

2. On Farm Testing

2.1 Information about OFT to be conducted

Problem diagnose	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
								Farmer practice T1	Rec. Tech T2	T1	T2
Deteriorating soil organic carbon content	Assessment	NRM	-	Rainfed	01	10	Assessment of Bio-waste decomposer for quality organic product to enhance soil health	-	-	-	-
Low yield due to old var. JS 9560 & aberrations in	Assessment	Cropping system	Soybean	Rainfed	01	10	Assessment of soybean production	-	-	-	-

weather,;							technology for higher productivity in soybean - chickpea cropping system				
Low yield due to limited irrigation	Assessment	Varietal Assessment	Wheat	Irrigated	01	10	Assessment of Wheat Production technology in soybean – wheat cropping system (Pusa Tejas)	-	-	-	-
Low yield in chickpea	Assessment	Cropping system	Chickpea	Irrigated	01	10	Assessment of Chickpea production technology for higher productivity in soybean - chickpea cropping system	-	-	-	-
No storage of onion, direct sell in market resulting in lower price	Assessment	Post harvest management	Onion	-	1	10	Assessment of different structure for storage of onion	-	-	-	-
Low yield of soybean due to soil moisture	Assessment	Improved Implement	Soybean	Rainfed	01	5	Assessment of ridge planter for sowing of	-	-	-	-

stress during dry spell							soybean				
Low yield due to moisture stress	Assessment	Improved Implement	Maize	Rainfed	01	5	Assessment of ridge planter for sowing maize	-	-	-	-
Low yield due to high seed rate and dense plant population	Assessment	Improved Implement	Chickpea	Rainfed	01	5	Assessment of pneumatic planter for sowing of Chickpea	-	-	-	-
Farmers burn crop residue of their field leading to pollution and loss of organic matter.	Assessment	Improved Implement	Wheat	Rainfed	01	5	Assessment of rake and baller to manage crop residue of wheat	-	-	-	-
Low milk yield due to negative energy balance	Assessment	Animal Nutrition Management	Dairy	-	01	12	Assessment of bypass fat (rumen protected fat) in diets of dairy animals	-	-	-	-
High incidence of acidosis and anorexia	Assessment	Animal Nutrition Management	Dairy	-	01	12	Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevisiae</i>) in buffalo	-	-	-	-
Low availability of green fodder due to scarcity of land and water	Assessment	Animal Nutrition Management	Dairy	-	01	12	Assessment of Azolla as green proteinous fodder in dairy animals	-	-	-	-
Low milk	Assessment	Animal	Dairy	-	01	12	Assessment of	-	-	-	-

production due to deficiency of calcium and phosphorus		Nutrition Management					Calicum, Phosphorus and Vit.D supplement during lactation period in crossbreed cows				
Lack of knowledge of proper storage practices for seed purposed	Assessment	Storage practices	Chickpea	-	01	10	Assessment of storage practices of pulses	-	-	-	-
High drudgery and low efficiency during potato chips making	Assessment	Drudgery reduction	Potato	-	1	10	Assessment of Potato Peeler and Potato Slicer for drudgery reduction and efficiency enhancement of farm women during potato chips making	-	-	-	-
Low income of farm women due to no value addition in aonla	Assessment	Value addition	Aonla	-	1	10	Assessment of value addition in aonla for income generation	-	-	-	-
Poor knowledge about SHC recommendation	Assessment	CBD	-	-	1	600	Assessment of knowledge & adoption of soil health card based fertilizer application	-	-	-	-
Lack of Timely and need based	Assessment	ICT in agriculture	-	-	1	100	Project on study of ICT tools –	-	-	-	-

information							mobile messaging, social media (Whatsapp) in dissemination of agricultural messages				
Getting low price and loss of agril. produce during marketing process.	Assessment	Marketing of agril. produce	-	-	1	50	Study on marketing process of agril. produces in Krishi upaj mandi and local vendor	-	-	-	-
No use of biofertilizer , indiscriminate and excess use of fertilizer	Assessment	INM	Soybean	Rainfed	01	10	Assessment of use of Biofertilizer (Mycorrhiza) in soybean crop	-	-	-	-
Low Yield of wheat due to imbalance use of fertilizer	Assessment	INM	Wheat	Irrigated	01	10	Assessment of balance use of plant nutrients on STCR basis in wheat	-	-	-	-

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Bio-waste decomposer for quality organic product to enhance soil health	-	-
Assessment of soybean production technology for higher productivity in soybean - chickpea cropping system	-	-
Assessment of Wheat Production technology in soybean – wheat cropping system (Pusa Tejas)	-	-
Assessment of Chickpea production technology for higher productivity in soybean -	-	-

chickpea cropping system		
Assessment of different structure for storage of onion	-	-
Assessment of ridge planter for sowing of soybean	-	-
Assessment of ridge planter for sowing maize	-	-
Assessment of pneumatic planter for sowing of Chickpea	-	-
Assessment of rake and baller to manage crop residue of wheat	-	-
Assessment of bypass fat (rumen protected fat) in diets of dairy animals	-	-
Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevesiae</i>) in buffalo	-	-
Assessment of Azolla as green proteinous fodder in dairy animals	-	-
Assessment of Calicum, Phosphorus and Vit.D supplement during lactation period in crossbreed cows	-	-
Assessment of storage practices of pulses	-	-
Assessment of Potato Peeler and Potato Slicer for drudgery reduction and efficiency enhancement of farm women during potato chips making	-	-
Assessment of value addition in aonla for income generation	-	-
Assessment of knowledge & adoption of soil health card based fertilizer application	-	-
Project on study of ICT tools – mobile messaging, social media (Whatsapp) in dissemination of agricultural messages	-	-
Study on marketing process of agril. produces in Krishi upaj mandi and local vendor	-	-
Assessment of use of Biofertilizer (Mycorrhiza) in soybean crop	-	-
Assessment of balance use of plant nutrients on STCR basis in wheat	-	-

2.3 Economic Performance

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP(T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Assessment of Bio-waste decomposer for quality organic product to enhance soil health	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of soybean production technology for higher productivity in soybean - chickpea cropping system	-	-	-	-	-	-	-	-	-	-	-	-

Assessment of Wheat Production technology in soybean – wheat cropping system (Pusa Tejas)	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Chickpea production technology for higher productivity in soybean - chickpea cropping system	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of different structure for storage of onion	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of ridge planter for sowing of soybean	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of ridge planter for sowing maize	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of pneumatic planter for sowing of Chickpea	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of rake and baller to manage crop residue of wheat	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of bypass fat (rumen protected fat) in diets of dairy animals	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevesiae</i>) in buffalo	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Azolla as green proteinous fodder in dairy animals	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Calicum, Phosphorus and Vit.D supplement during lactation period in crossbreed cows	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of storage practices of pulses	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Potato Peeler and Potato Slicer for drudgery reduction and efficiency enhancement of farm women during potato chips making	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of value addition in aonla for income generation	-	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of knowledge & adoption of soil health card based fertilizer application	-	-	-	-	-	-	-	-	-	-	-	-	-
Project on study of ICT tools – mobile	-	-	-	-	-	-	-	-	-	-	-	-	-

messaging, social media (Whatsapp) in dissemination of agricultural messages												
Study on marketing process of agril. produces in Krishi upaj mandi and local vendor	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of use of Biofertilizer (Mycorrhiza) in soybean crop	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of balance use of plant nutrients on STCR basis in wheat	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2017-18)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Wheat	Improved Implement	Use of Reaper cum binder for harvesting of wheat	Training, demonstrations and extension literature	-	-	-
Soybean	Improved Implement	Raised bed sowing of soybean and Chickpea	Training, demonstrations and extension literature	-	-	-
Wheat	ICM	Improved variety Pusa Mangal	Training, demonstrations and extension literature	-	-	-
Marigold	INM	INM in Marigold	Training, demonstrations and extension literature	-	-	-

3.2 Details of FLDs to be implemented during 2018-19

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
						Demons	Check		SC	ST	OBC	Others	Total
INM	Soybean	Kharif 2018	Management of major insect pest specially <i>helicoverpa</i> and <i>spodoptera litura</i> though bio-inputs	5 ha	JS 95 60	-	-	-	-	-	-	13	13
INM	Cucumber	Kharif 2018	IPM in fruit fly management in cucumber	2.5ha	-	-	-	-	-	-	-	10	10
INM	Garlic	Rabi 2018-19	Demonstration for source of Inorganic fertilizer & Schedule of Nitrogen application in Garlic	2.5 ha	G-282	-	--	-	-	-	-	10	10
IDM	Garlic	Rabi 2018-19	Management of root rot by seed treatment in Garlic	2.5 ha	G-282	-	-	-	-	-	-	10	10
IDM	Onion	Rabi 2018-19	Management of thrips in onion	2.5 ha	ARL	-	-	-	-	-	-	10	10
Improved Implement	Wheat	Rabi 2018-19	Demonstration of power operated grain cleaner for wheat	2.5 ha	-	-	-	-	-	-	-	10	10
Improved Implement	Soybean	Kharif 2018	Use of improved field preparation implement for soybean (Reversible Plough)	2.5 ha	-	-	-	-	-	-	-	10	10

Improved Implement	Wheat	Rabi 2018-19	Demonstration of straw reaper to manage crop residue of wheat	2.5 ha	-	-	-	-	-	-	-	10	10
Animal Disease Management	Dairy	2018-19	Regular deworming in dairy cattle	50 No.	-	-	-	-	-	-	-	50	50
Animal Disease Management	Dairy	2018-19	Use of Vitamin E and selenium in dry period to manage mastitis in dairy animals	15 No.	-	-	-	-	-	-	-	15	15
Animal Disease Management	Dairy	2018-19	Regular spray of acaricidal solution in dairy shed	25 No	-	-	-	-	-	-	-	25	25
Drudgery Reduction	Women in Agri	Rabi 2018-19	Drudgery Reduction in Seed Grading	10 No.	-	-	-	-	-	2	-	8	10
Nutritional garden	Women in Agri.	Kharif 2018	Demonstration on Nutritional Garden	10 No.	-	-	-	-	-	2	-	8	10
Value addition	Soybean	2018-19	Demonstration of soybean variety NRC 127 for preparation of soya flour	10 No.	-	-	-	-	-	-	-	10	10
Women Health & Nutrition	Women in Agri.	2018-19	Demonstration of moringa oleifera for health benefit	10 No.	-	-	-	-	-	-	-	10	10
Women Health & Nutrition	Women in Agri.	2018-19	Demonstration of soybean variety NRC 109 for vegetable purpose	10 No.	-	-	-	-	-	-	-	10	10
INM	Soybean	Kharif 2018	Demonstration of use of Sulphur (deficient) in soybean	2.5 ha	-	-	-	-	-	-	-	10	10

INM	Chickpea	Rabi 2018-19	Demostration of use of liquid biofertilizer (Rhizobium +PSB) alongwith micronutrient (Ammonium molybdate) for seed treatment in Chickpea	2.5 ha	-	-	-	-	-	-	-	10	10
Farm waste managment	-	2018-19	Demonstration of vermicompost preparation from farm waste	10 No.	-	-	-	-	-	-	-	10	10

3.3 Economic Impact of FLD

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of Parameter	Dem o	Chec k	Dem o	Chec k	Dem o	Chec k	Dem o	Chec k	Dem o	Local Chec k	
Soybean	Management of major insect pest specially <i>helicoverpa</i> and <i>spodoptera litura</i> though bio-inputs	-	-	-	-	-	-	-	-	-	-	-	-
Cucumber	IPM in fruit fly management in cucumber	-	-	-	-	-	-	-	-	-	-	-	-

Garlic	Demonstration for source of Inorganic fertilizer & Schedule of Nitrogen application in Garlic	-	-	-	-	-	-	-	-	-	-	-
Garlic	Management of root rot by seed treatment in Garlic	-	-	-	-	-	-	-	-	-	-	-
Onion	Management of thrips in onion	-	-	-	-	-	-	-	-	-	-	-
Improved Implement	Demonstration of power operated grain cleaner for wheat	-	-	-	-	-	-	-	-	-	-	-
Improved Implement	Use of improved field preparation implement for soybean (Reversible Plough)	-	-	-	-	-	-	-	-	-	-	-
Wheat	Demonstration of straw reaper to manage crop residue of wheat	-	-	-	-	-	-	-	-	-	-	-

Dairy	Regular deworming in dairy cattle	-	-	-	-	-	-	-	-	-	-	-
Dairy	Use of Vitamin E and selenium in dry period to manage mastitis in dairy animals	-	-	-	-	-	-	-	-	-	-	-
Dairy	Regular spray of acaricidal solution in dairy shed	-	-	-	-	-	-	-	-	-	-	-
Women in Agri.	Drudgery Reduction in Seed Grading	-	-	-	-	-	-	-	-	-	-	-
Women in Agri.	Demonstration on Nutritional Garden	-	-	-	-	-	-	-	-	-	-	-
Women in Agri	Demonstration of soybean variety NRC 127 for preparation of soya flour	-	-	-	-	-	-	-	-	-	-	-
Women in Agri.	Demonstration of moringa oleifera for health benefit	-	-	-	-	-	-	-	-	-	-	-

Women in Agri.	Demonstration of soybean variety NRC 109 for vegetable purpose	-										
Soybean	Demonstration of use of Sulphur (deficient) in soybean	-	-	-	-	-	-	-	-	-	-	-
Chickpea	Demonstration of use of liquid biofertilizer (Rhizobium +PSB) alongwith micronutrient (Ammonium molybdate) for seed treatment in Chickpea	-	-	-	-	-	-	-	-	-	-	-
Farm waste management	Demonstration of vermicompost preparation from farm waste	-										

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Soybean	Field days	2	60	-

	Farmers Training	2	40	-
	Media coverage	1	-	-
	Training for extension functionaries	1	15	-
Wheat	Field days	2	60	-
	Farmers Training	2	40	-
	Media coverage	1	-	-
	Training for extension functionaries	1	15	-
Chickpea	Field days	1	30	-
	Farmers Training	2	40	-
	Media coverage	1	-	-
	Training for extension functionaries	1	15	-
Improved Implement	Field days	1	40	-
	Farmers Training	4	80	-
	Media coverage	-	-	-
	Training for extension functionaries	1	20	-
Garlic	Field days	1	20	-
	Farmers Training	1	20	-
	Media coverage	-	-	-
	Training for extension functionaries	1	20	-
Cumuber	Field days	1	20	-
	Farmers Training	1	20	-
	Media coverage	1	-	-
	Training for extension functionaries	1	15	-

3.5 Details of FLD on crop hybrids.

S.No.	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1.	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Indore	-

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only.
2. For category, training type and thematic area, use abbreviations only.

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
Farmers and Farmwomen	PRA, Group Discussion, Meeting	Kulthana, Nayapura	40

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15
FW	ONC	CP	Sowing technique, seed treatment and seed inoculation in soybean.	01	01	15	-	03	-	02	-	20	-
FW	OFC	CP	INM in soybean.	01	03	15	-	03	-	02	-	20	-
FW	OFC	CP	IPM in Soybean.	01	03	15	-	03	-	02	-	20	-
FW	OFC	CP	IPM in Soybean.	01	03	15	-	03	-	02	-	20	-
FW	OFC	CP	Sowing technique, seed treatment and seed inoculation in Chickpea.	01	02	18	-	02	-	-	-	20	-
FW	OFC	CP	INM in chickpea	01	02	18	-	02	-	-	-	20	-
FW	OFC	CP	Sowing technique, seed treatment and seed inoculation in wheat.	01	02	18	-	02	-	-	-	20	-
FW	OFC	CP	INM in wheat	01	02	18	-	02	-	-	-	20	-
FW	ONC	CP	IPM in Chickpea.	01	03	04	-	02	-	14	-	20	-
FW	OFC	CP	Production technology for late sown wheat.	01	02	18	-	02	-	-	-	20	-
FW	OFC	CP	Irrigation management in wheat.	01	02	18	-	02	-	-	-	20	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15
FW	OFC	CP	Termite management in wheat and gram	01	03	06	-	02	-	12	-	20	-
RY	ONC	CP	Seed Production Technology	01	03	10	-	05	-	05	-	20	-
RY	ONC	CP	Preparation and use of vermicompost	01	03		-	-	10	-	10	-	20
IS	ONC	CP	Soybean Production Technology	01	02	12	-	06	-	02	-	20	-
IS	ONC	CP	Wheat Production Technology	01	02	20	-	-	-	-	-	20	-
IS	ONC	CP	IPM in Chickpea.	01	03	20	-	-	-	-	-	20	-
FW	OFC	HOV	Seed sowing and nutritional requirement of clusterbean.	01	01	04	-	04	-	12	-	20	-
FW	OFC	HOF	Nursery rising in marigold.	01	01	04	-	04	-	12	-	20	-
FW	OFC	HOF	Planting & Pinching practice of marigold.	01	02	04	-	04	-	12	-	20	-
FW	OFC	HOF	Use of bio-fertilizer in marigold.	01	01		-		-	-	-	20	-
FW	OFC	HOV	Selection and sowing of processing type potato	01	01	18	-	02	-	-	-	20	-
FW	OFC	HOV	Nutritional management in potato	01	01	18	-	02	-	-	-	20	-
FW	OFC	HOS	Use of bio-fertilizer in garlic.	01	01	18	-	02	-	-	-	20	-
FW	OFC	HOS	Seed treatment in Garlic	01	01	18	-	02	-	-	-	20	-
FW	OFC	HOV	Early blight management in Potato	01	01	18	-	02	-	-	-	20	-
FW	OFC	HOS	Weed & disease management in Garlic	01	01	18	-	02	-	-	-	20	-
RY	ONC	HOF	Chrysanthemum Production Technology	01	03	18	-	02	-	-	-	20	-
IS	ONC	HOV	Use of biofertilizer in vegetable crops	01	01	04	-	04	-	12	-	20	-
FW	OFC	LPM	Management of dairy animals in summer	01	01	14	-	04	-	02	-	20	-
FW	OFC	LPM	Importance of green fodder for lactating animals	01	01	14	-	04	-	02	-	20	-
FW	OFC	LPM	Important of deworming in goats	01	01	14	-	04	-	02	-	20	-
FW	OFC	LPM	Prevention and control of various diseases occurring during rainy season	01	02	14	-	04	-	02	-	20	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15
FW	OFC	LPM	Management of lactating animals for maximizing milk production	01	02	14	-	04	-	02	-	20	-
FW	OFC	LPM	Clean milk production and correct method of milking	01	02	14	-	04	-	02	-	20	-
FW	OFC	LPM	Vaccination in Dairy animals	01	01	14	-	04	-	02	-	20	-
FW	OFC	LPM	Management of dairy animals in winter	01	01	14	-	04	-	02	-	20	-
FW	OFC	LPM	Care and Management of Calves	01	02	14	-	04	-	02	-	20	-
FW	OFC	LPM	Management of tick borne diseases	01	02	14	-	04	-	02	-	20	-
RY	ONC	LPM	Dairy farming (Improved A.H. practices)	01	05	14	-	04	-	02	-	20	-
IS	ONC	LPM	Scientific feeding and balance diet	01	02	14	-	04	-	02	-	20	-
FW	OFC	AEG	Deep summer ploughing.	01	01	16	-	4	-	-	-	20	-
FW	OFC	AEG	Raised Bed and ridge furrow Sowing method for soybean	01	01	14	-	6	-	-	-	20	-
FW	OFC	AEG	Hand and small power operated weeding equipments for small farmers	01	01		-	6	-	14	-	20	-
FW	OFC	AEG	Importance of Rotavator for field preparation for garlic	01	01	18	-	-	-	02	-	20	-
FW	OFC	AEG	Use of tractor operated seed drill for sowing garlic	01	01	18	-	-	-	02	-	20	-
FW	OFC	AEG	Plastic mulching and drip irrigation system in water melon crop	01	01	18	-	-	-	02	-	20	-
FW	OFC	AEG	Use of Pedal cum power operated grain cleaner in wheat	01	01	18	-	-	-	02	-	20	-
RY	ONC	AEG	Care and maintenance of tractor operated field preparation implements (cultivator, rotavator, plough etc.)	01	03	18	-	-	-	02	-	20	-
FW	OFC	AEG	Improved sowing method for wheat to	01	01	18	-	-	-	02	-	20	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15
			conserve irrigation water										
FW	OFC	AEG	Sprinkler irrigation for wheat crop	01	01	18	-	-	-	02	-	20	-
RY	OFC	AEG	Management of crop residues by machineries	01	02	18	-	-	-	02	-	20	-
RY	ONC	AEG	Skill development for house wiring/Motor rewinding/Mobile repairing	01	30	18	-	-	-	02	-	20	-
IS	ONC	AEG	Various sowing method for soybean	01	02	18	-	-	-	02	-	20	-
FW	OFC	SFM	Method of collecting of true soil sample for soil testing.	01	01	10	-	05	-	05	-	20	-
FW	OFC	SFM	Method of collecting of true soil sample for soil testing.	01	01	10	-	05	-	05	-	20	-
FW	ONC	SFM	Use of soil health card and SHB Fertilizer application in soybean.	01	01	10	-	05	-	05	-	20	-
FW	ONC	SFM	Role of micronutrient in Kharif crops	01	01	10	-	05	-	05	-	20	-
FW	OFC	SFM	Use of organic manure and biofertilizer for soil health management	01	01	10	-	05	-	05	-	20	-
RY	OFC	SFM	Method of collecting of true soil sample for soil testing.	01	01	10	-	05	-	05	-	20	-
FW	OFC	SFM	Use of soil health card and SHB Fertilizer application in Rabi crops	01	01	10	-	05	-	05	-	20	-
RY	ONC	SFM	Role of INM in Rabi crops	01	07	10	-	05	-	05	-	20	-
FW	OFC	WOE	Proper grading of soybean seed	01	01	-	10	-	05	-	05	-	20
RY	OFC	WOE	Nutritional benefits of fruits and vegetables	01	02	-	10	-	05	-	05	-	20
FW	OFC	WOE	Drudgery reduction in potato chips making	01	01	-	10	-	05	-	05	-	20
RY	ONC	WOE	Use of soybean in our daily food and preparation of soya dishes	01	03	-	10	-	05	-	05	-	20
FW	OFC	WOE	Nutritional kitchen gardening in backyard for family use	01	01	-	10	-	05	-	05	-	20
FW	OFC	WOE	Making compost by using domestic waste	01	01	-	10	-	05	-	05	-	20

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15
			material										
RY	OFC	WOE	Income generation of farmwomen through nursery management	01	01	-	10	-	05	-	05	-	20
FW	OFC	WOE	Drudgery reduction in weed management	01	01	-	10	-	05	-	05	-	20
RY	ONC	WOE	Value addition of tomato chilli and aonla	01	04	-	10	-	05	-	05	-	20
FW	OFC	WOE	Importance and use of masala in our daily food (Masala making)	01	01	-	10	-	05	-	05	-	20

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Seed Production	Soybean & Wheat	ICM	30 days	10	-	05	-	05	-
Vermicomposting	-	INM	30 days	10	-	05	-	05	-

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed elsewhere
	Type of units	Number of units	Number of persons employed	
-	-	-	-	-

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub- theme (as per column no 5 of Table T1)	Clien t (FW/ RY/ IS)	Dura - tion (days)	No. of courses	No. of Participants						Sponsorin g Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on Area expanded (ha) No. of farmers adopted (no.) % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Seed Production	25	-	-	-	-	-	-	-
Organic Farming	25	-	-	-	-	-	-	-
Raised sowing of chickpea	25	-	-	-	-	-	-	-
Raised bed sowing of soybean	25	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Field Day	08	-	60	60	50	50	20	-	-	-	-
Kisan Mela	01	-	250	25	50	25	-	-	-	-	-
Kisan Ghosthi	02	-	120	-	80	-	04	-	-	-	-
Exhibition	05	-	50	10	75	15	05	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Film Show	18	-	150	30	150	30	50	-	-	-	-
Method Demonstrations	08	-	40	40	40	40	20	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-	-
Group meetings	04	-	25	25	25	25	25	-	-	-	-
Lectures delivered as resource persons	12	-	150	30	150	30	24	-	-	-	-
Newspaper coverage	06	-	-	-	-	-	-	-	-	-	-
Radio talks	06	-	-	-	-	-	-	-	-	-	-
TV talks	06	-	-	-	-	-	-	-	-	-	-
Extension Literature	06	-	-	-	-	-	-	-	-	-	500 copies of each
Farm advisory Services	-	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	36	-	90	45	90	45	12	-	-	-	-
Farmers visit to KVK	36	-	360	60	360	60	72	-	-	-	-
Diagnostic visits	04	-	25	25	25	25	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	02	-	20	05	20	05	-	-	-	-	-
Soil health Camp	02	-	25	25	25	25	-	-	-	-	-
Animal Health Camp	06	-	50	50	10	10	-	-	-	-	320 Animals
AH & Vaccination camp	04	-	15	15	15	15	-	-	-	-	400 Animals/Birds
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
Soil sample tested	1000	-					-	-	-	-	-
Farm Science Club conveners meet	-	-	-	-	-	-	-	-	-	-	-
Self Help Group conveners meetings	12	-	-	228	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Celebration of important days	02	-	30	30	30	30	-	-	-	-	-
Takniki Saptah	02	-	50	50	50	50	-	-	-	-	-
Parthenium week	01	-	100	50	100	50	-	-	-	-	-
Kisan Mobile Advisory Services	104 messages	-	37500	500	-	-	40	10	-	-	-

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Cereals	Wheat	(HI 8663, HI 1418, HI 1544, HI 8737, HI 8713)	SD	40	qtl	100000	-
Oilseeds	Soybean	JS 9560, JS 9305	SD	15	qtl	60000	-
Pulses	Chick Pea	JG 6, JG-16, PKV-4, Kripa, JGK-3	SD	15	qtl	75000	-

7.2 Planting Material production

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Seedlings/ Sapling	Onion	-	-	-	-	-	5000	-	5000	-

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Name of the Product	Qty	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
BIOAGENTS	-	-	-	-
BIOFERTILIZERS	-	-	-	-
BIO PESTICIDES	-	-	-	-

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	-	-	-	-	-	-
Buffalo	-	-	-	-	-	-
Sheep and Goat	-	-	-	-	-	-
Poultry	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-
Others (Specify)	-	-	-	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment :-

8.1 Details of soil & water samples analyzed so far :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	1000	1000	-	180000	-
Water Sample	-	-	-	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

No. of messages to be sent	No. of beneficiaries		Major recommendations
	Farmers	Ext. Pers.	
104	38000	50	-

11. Details of SAC Meeting

Date of SAC meeting	No. of SAC members attended	Major recommendations
May 2018	25	
Sept 2018	25	

12. Literature to be Developed/Published (with full title, author & reference)**12.1 KVK Newsletters**

Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
2007	Quarterly	250	250

12.2 Details of Electronic Media to be Produced

Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
2	-	-

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	-	-	-	-	-
Technical bulletins	-	-	-	-	-
Technical reports	1	-	-	-	-
Popular article	6	-	-	-	-
News paper coverage	6	-	-	-	-
Year Planner	1	-	-	-	-
Others (pl. specify) - Folders	4	-	-	-	2000 each
Others (pl. specify) - Booklets	2	-	-	-	1000 each

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA	Central	-	-	District	-
MNREGA	-	-	-	-	-
NHM	-	-	-	-	-
RKVY	Central	-	-	District	-
DRDA	-	-	-	-	-
Zila Panchyat	-	-	-	-	-
Seed Village	-	-	-	-	-
NAIP	-	-	-	-	-
Climate Change	-	-	-	-	-
Others (Plz. Specify) - ASCI	Central	-	-	-	-

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds):

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
June	2018	Sowing technique, seed treatment and seed inoculation in soybean.	1	20	-	-
October	2018	IPM in Chickpea.	3	20	-	-
May	2018	Seed Production Technology	3	20	-	-
September	2018	Preparation and use of vermicompost	3	20	-	-
June	2018	Soybean Production Technology	2	20	-	-
October	2018	Wheat Production Technology	2	20	-	-
November	2018	IPM in Chickpea.	3	20	-	-
July	2018	Chrysanthemum Production Technology	3	20	-	-
July	2018	Use of biofertilizer in vegetable crops	1	20	-	-
Aug.	2018	Dairy farming (Improved A.H. practices)	3	20	-	-
April	2018	Scientific feeding and balance diet	2	20	-	-

May	2018	Care and maintenance of tractor operated field preparation implements (cultivator, rotavator, plough etc.)	3	20	-	-
February	2019	Skill development for house wiring/Motor rewinding/Mobile repairing	30	20	-	-
June	2018	Various sowing method for soybean	2	20	-	-
May	2018	Use of soil health card and SHB Fertilizer application in soybean.	1	20	-	-
June	2018	Role of micronutrient in Kharif crops	1	20	-	-
October	2018	Role of INM in Rabi crops	7	20	-	-
December	2018	Use of soybean in our daily food and preparation of soya dishes	3	20	-	-
January	2019	Value addition of tomato chilli and aonla	4	20	-	-

15. Utilization of Staff Quarters.

Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
1979	1979	8	-	-

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

S.No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent? (ZPD/DES/any other, pl. sp.)
1	Indore	-	-

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Indore	Crop Cafeteria	Live demonstration on varieties of Soybean, Arhar, Black gram, wheat, and Gram.
Indore	Technology Desk	Yes
Indore	Visitors Gallery	-
Indore	Technology Exhibition	Yes
Indore	Technology Gate Valve	Yes

c). Crop Cafeteria-

S. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Introduction of Crop varieties	2 (Kharif 2018 & Rabi 2018-19)

17. Farm Innovators- list of 10 Farm Innovators from the District

S. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Indore	-	-	-

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Jabalpur.

S. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	August 2018	20
2.	January 2018	20

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Indore	04	04	10	613

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
1	-	-	-	-

21. KVK Ring

S. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	KVK Dewas	-	-
2.	KVK Ujjain	-	-

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Indore	-	-	-

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1.	Indore	2007-08	142	15241

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1.	Indore	-	-

25. E-CONNECTIVITY (ERNET Lab)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
Indore	-	-	-	-	-	-	-

26. Details Of Technology Week Celebrations

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies	02	40	
Lectures organized	12	240	
Exhibition	02	50	
Film show	12	240	
Fair	-	-	
Farm Visit	12	240	
Diagnostic Practical's	-	-	
Distribution of Literature (No.)	12	240	
Distribution of Seed (q)	-	-	
Distribution of Planting materials (No.)	-	-	

Bio Product distribution (Kg)	-	-	
Bio Fertilizers (q)	-	-	
Distribution of fingerlings (No)	-	-	
Distribution of Livestock specimen (No.)	-	-	
Total number of farmers visited the technology week	-	-	

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-	-

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Indore	Oilseeds	-	-
		Pulses	-	-
		Cereals	-	-
		Vegetable crops	-	-
		Tuber crops	-	-
		Fruits	-	-
		Spices	-	-
		Cotton	-	-
		Total	-	-

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Indore	Dairy Management	-	-
		Disease management	-	-
		Feed and fodder technology	-	-
		Poultry management	-	-

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Indore	-	-	-

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Indore	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Indore	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Indore	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Indore	-	-	-	-

Vermis Produced

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Indore	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Indore	-	-	-

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Indore	-	-	-	-	-	-	-	-	-	-	-	-

28. Proposal of NICRA**29. Proposed works under NAIP (in NAIP monitoring format)****30. Status of Revolving Funds (Rs.)**

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Indore	88211010002616	-	-	-

31. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Indore	-	-	-	-

32. Case study / Success Story to be developed –

Two best only in the following format: Name of the KVK, **TITLE, Introduction,** KVK intervention, Output, Outcome, Impact

Sr. No.	Name of KVK	No. of success stories	No. of case studies
1.	Indore	01	-

5. KVK, Raisen

PERIOD – April 2018 to March, 2019
Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
OFTs	22	106	-	-	-
FLDs – Oilseeds (activity in ha)	8	20	-	-	-
FLDs – Pulses (activity in ha)	6	15	-	-	-
FLDs – Cotton (activity in ha)	-	-	-	-	-
FLDs – Other than Oilseed and pulse crops(activity in ha)	-	25	-	-	-
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	7	50	-	-	-
Training-Farmers and farm women	70	1400	-	-	-
Training-Rural youths	8	100	-	-	-
Training- Extension functionaries	5	80	-	-	-
Extension Activities	60	2000	-	-	-
Seed Production (Number of activity as seeds in quintal)	450	-	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	1000	-	-	-	-
Seedling Production (Number of activity as number of seedlings in numbers)	20000	-	-	-	-
Sapling Production (Number of activity as number of sapling in numbers)	-	-	-	-	-
Other Bio- products (No. of quantity)	-	-	-	-	-
Live stock products	-	-	-	-	-
Activities of Soil and Water Testing Laboratory	500	-	-	-	-
Rainwater Harvesting System	-	-	-	-	-
Kisan Mobile Advisory (KVK-KMA)	70	48500	-	-	-
SAC Meeting (Date & no. of core/ official members)	02	6/6/2018,	-	-	-

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
		10/10/2018			
Literature to be Developed/Published	10	-	-	-	-
Convergence programmes / Sponsored programmes	02	-	-	-	-
Utilization of Farmers Hostel	-	-	-	-	-
Utilization of Staff Quarters	06	-	-	-	-
Details of KVK Agro-technological Park	-	-	-	-	-
Crop Cafeteria-	02	150	-	-	-
Farm Innovators- list of 10 farm innovators from the District	-	-	-	-	-
Status of Revolving Funds	-	-	-	-	-
Awards and Recognitions	-	-	-	-	-
Case study / Success Story to be developed	02	-	-	-	-
KVK Progressive Farmers interaction	02	50	-	-	-
Outreach of KVK in the District (No. of blocks, no. of villages)	07/1497	-	-	-	-
Technology Demonstration under Tribal Sub Plan	-	-	-	-	-
KVK Ring	02	-	-	-	-
Important visitors to KVK	5	-	-	-	-
Status of KVK Website	Functional	-	-	-	-
Status of RTI	-	-	-	-	-
E-connectivity	-	-	-	-	-
Details of Technology Week Celebrations	1	300	-	-	-
Interventions on Drought Mitigation	-	-	-	-	-
Proposal of NAIP	-	-	-	-	-
Proposal of NICRA	-	-	-	-	-
Well labeled photographs	-	-	-	-	-
Other Activities	-	-	-	-	-

1. GENERAL INFORMATION

1.1. Staff Position (as on 01/04/2018)

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Programme Coordinator	Dr. Swapnil Dubey	Agronomy	M.Sc (Ag), Ph.D.	Agronomy	37400-67000 G.P. 9000	50710	1 st July, 2014	Permanent	GEN
Subject Matter Specialist1	Dr. Sarvesh Tripathy	Agriculture Extension	M.Sc. (Ag.), Ph.D.	Agriculture Extension	15600-39100 G.P. 5400	26620	31 st January, 2009	Permanent	GEN
Subject Matter Specialist2	Mr. Ranjeet Singh Raghav	Soil Science	M.Sc. (Ag.)	Soil Science	15600-39100 G.P. 5400	22950	1 st July, 2014	Permanent	GEN
Subject Matter Specialist3	Ms. Lakshmi Chakravarti	Home Science	M.H.Sc. (Food & Nutrition), M.Phil.	Home Science	15600-39100 G.P. 5400	22950	1 st July, 2014	Permanent	OBC
Subject Matter Specialist4	Mr. Pradip Kumar Dwivedi	Plant Protection	M.Sc. (Ag.) (Entomology), MBA.	Plant Protection	15600-39100 G.P. 5400	22280	1 st April, 2015	Permanent	GEN
Subject Matter Specialist5	Mukul Kumar	Horticulture	M.Sc. (Ag.) (Horticulture)	Horticulture	15600-39100 G.P. 5400	21630	3 rd Feb, 2016	Permanent	GEN
Subject Matter Specialist6	Vacant	Agriculture Engineering	-	-	-	-	-	-	-
Programme Assistant	Dr. Anshuman Gupta	Veterinary Science	B.V.Sc & AH, MSW &	Animal Science	9300-34800	21100	25 th March,	Permanent	GEN

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
			PGDRD		G.P. 4200		2004		
Farm Manager	Mr. Sunil Kethwas	Farm Manager	B.Sc (Ag.)	-	9300-34800 G.P. 4200	17650	10 th Oct, 2007	Permanent	SC
Computer Programmer	Mr Pankaj Bhargava	Computer Science	MCA	Computer Science	9300-34800 G.P. 4200	21100	8 th April, 2004	Permanent	GEN
Accountant / superintendent	Mr. Rajkumar Makode	Accounts	M.Com.	-	9300-34800 G.P. 4200	16140	1 st July, 2011	Permanent	OBC
Stenographer	Mrs. Aruna Somkunwar	Stenographer	M.A & PGDRD	Stenography	5200-20200 G.P. 2400	14340	22 nd March, 2004	Permanent	SC
Driver	Mr. Ubed Khan	Jeep Driver	10 th	-	5200-20200 G.P. 2000	11550	5 th February, 2005	Permanent	GEN
Driver	Mr. Vijay Kumar Sahu	Tractor Driver	10 th	-	5200-20200 G.P. 2000	7420	1 st Apr, 2016	Permanent	OBC
Supporting staff	Mr. A. Chakraborty	Supporting Staff	12 th	-	5200-20200 G.P. 1800	10030	1 st July, 2004	Permanent	GEN

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Supporting staff	Mr. Sanjay Chaudhary	Supporting Staff	B.Com.	-	5200-20200 G.P. 1800	9440	7 th April, 2006	Permanent	SC

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)-

Sr. No.	KVK	Particulars	Detail
1	Raisen	Type of Soil	Black & Domat
2	Raisen	Gross Cropping Area (ha)	553150
3	Raisen	Net Cropping Area (ha)	426247
4	Raisen	Total Kharif Area	
	Raisen	Soybean (ha)	42000
	Raisen	Arhar (ha)	28890
	Raisen	Paddy (ha)	140000
5	Raisen	Total Rabi Area	
	Raisen	Wheat (ha)	175000
	Raisen	Gram (ha)	130000
	Raisen	Lentil (ha)	49996
6	Raisen	Double Crop Area (ha)	126853
7	Raisen	Irrigated Area (ha)	147732
8	Raisen	Source-Wise Irrigated Area	
	Raisen	Canal (ha)	50625
	Raisen	Tank (ha)	1696
	Raisen	Well (ha)	20060
	Raisen	Tube Well (ha)	50055
	Raisen	Others (ha)	25296
9	Raisen	Total Population	1,125,000
	Raisen	Male	598,000
	Raisen	Female	527,000

	Urban Population	207,000
	Rural Population	918,000
	Total Household	203,000
	Working Population	327,593
	Male Female Ratio	1000:882

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2018 to 31.3.2019 (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Raisen	Bhanpur Garhi	2014	Gairatganj	40	850	90
Raisen	Hinotiya Khas	2014	Gairatganj	37	800	125

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Raisen	Integrated Crop Management Practices
Raisen	Use of high yielding variety
Raisen	Crop Diversification
Raisen	Application of Balance dose of fertilizers
Raisen	Integrated Pest Management Techniques
Raisen	Horticulture & Vegetable Crops
Raisen	Use of high yielding variety
Raisen	Commercial fruit & vegetables cultivation
Raisen	Nursery raising
Raisen	Rejuvenation of old orchards
Raisen	Livestock Management
Raisen	Dairy Management
Raisen	Goatry Management
Raisen	Feed Management
Raisen	Disease Management

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified	Methods of problem identification	Location Name of Village & Block
Low yield of Rice due to use of old variety	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of paddy due to heavy infestation of weed.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of onion due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of Brinjal due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of Rice due to heavy infestation of blast.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of Soybean due to heavy infestation of <i>Helicoverpa</i> .	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Grazing without any mineral & salt supplement.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low Knowledge & Adoption of varietal technology of soybean	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low Yield of soybean due to imbalance use of fertilizer	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low germination of paddy seedling.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low efficiency and improper seed treatment	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of Gram due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of wheat due to Use of old variety Lok-1 & susceptible to terminal heat	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of tomato due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low yield of Pea due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block

Low production of chilli due to leaf curl.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low milk yield due to calcium and vitamins deficiency after parturition.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
High mortality and low productivity in backyard poultry.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low knowledge & adoption of varietal technology of Wheat	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Low Yield of wheat due to imbalance use of fertilizer	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block

2. On Farm Testing

2.1 Information about OFT to be conducted

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/ enterprise	Farming Situation s	Target	No. of trial s	Title of OFT	Results (with parameter)		Net Return s (Rs./ha)	
									FP T1	Rec. Tech T2	T 1	T2
Kharif- 2018	Low yield of Soybean due use of old variety (JS 93- 05)	Assess.	CMP	Soybean	Rainfed	05	05	Assessment of ridge and furrow technology in improved variety of Soybean JS 20- 29, JS 20-69. (under Soybean – Wheat cropping center) T1: JS 93-05. T2: JS 20-29 T3: JS 20-69.	-	-	-	-
Kharif-	Poor insect -	Assess.	IPM	Soybean	Rainfed	05	05	Assessment of	-	-	-	-

2018	pests management due to injudicious use of chemical insecticides							IPM modules in Soybean. T1: No use of IPM. T2: Pheromone traps 10/ha each for <i>Spodoptera</i> and <i>Helicoverpa</i> +Seed treatment <i>Trichoderma viride</i> @ 10 g/kg seed + Thiamethoxam 30FS 10 ml/kg seed +Bird perches @ 50/ha + need based spray of Chlorantraniliprole 18.5 SC @ 100 ml/ha				
Kharif-2018	Low yield of paddy due to false smut disease of paddy	Assess.	IDM	Paddy	Irrigated	05	05	Assessment of Copper oxychloride and Carbendazim for the management of false smut of paddy. T1: No seed treatment and injudicious use of pesticides. T2: Seed treatment with Carbendazim @ 2	-	-	-	-

								g/ kg seed prior sowing. T3: S.T. with Carbendazim @ 2 g/ kg seed along with foliar spray of Copper oxychloride @ 3 g/ liter of water at the time of tillering and pre flowering stage.				
Kharif-2018	Sheath blight & stem borer is one of the major problem in the district causing serious yield losses	Assess.	PLP	Paddy	Rainfed	05	05	Assessment of Fungicide & Insecticide against Sheath Blight & insect pests of Rice. T1: Seed treatment by thiram. T2: Seed treatment by Carbendazim + Foliar spray of (Flubendiamide 3.5% + Hexaconazole 5% WDG) Ready mixed formulation 400g/acre at active tillering & Panicle initiation	-	-	-	-

								stage. T3: Seed treatment by Carbendazim + Foliar spray of Propiconazole 1ml/l followed by Cartap Hydrochloride 50% SP 1.5gm/l at active tillering & Panicle initiation stage.				
Kharif-2018	Low yield of Ginger due use of traditional variety.	Assess.	HOV	Ginger	Irrigated	05	05	Assessment of Improved variety of Ginger (Suprabha). T1: Use of old variety. T2: Improved variety Suprabha.	-	-	-	-
Kharif-2018	Low yield of rice due to physiological disorder khaira disease.	Assess.	INM	Paddy	Irrigated	05	05	Assessment of micronutrients Zinc in transplanted rice (Rice-wheat cropping system). T1: No use of micronutrient. T2: Application of micronutrient Zinc – 25 kg/ha.	-	-	-	-
Kharif-2018	Low milk production in	Assess.	AS	Maize	Irrigated	05	05	Assessment of cultivation and	-	-	-	-

	dairy animals.							feeding of Maize fodder (ATM) for milk production in dairy animals. T1: No green fodder cultivation for feeding dairy animals. T2: Cultivation of maize green fodder & feeding @ 30 kg/animal/day.				
Kharif-2018	Low germination %, problem in intercultural operation, uneven spread of seeds, low yield	Assess.	Drudgery reduction	Paddy	Irrigated	05	05	Assessment of Improved 4 row Drum Seeder in Paddy Crop. T1: Broadcasting. T2: Sprouted paddy seeds are filled to 3/4 level in each of 4 drums, and once the seeder is pulled, seeds fall in 8 rows @ 20 cm width between the rows.	-	-	-	-
Kharif-2018	Low efficiency and improper seed treatment	Assess.	Drudgery reduction	Soybean	Rainfed	05	05	Assessment of seed treating drum for drudgery reduction among	-	-	-	-

								farm women in soybean crop. T1: Manual seed treatment. T2: Effective seed treatment through seed treating drum with improved efficiency.				
Rabi-2018-19	If wheat sowing is delayed yield of wheat reduce	Assess.	AEG	Wheat	Irrigated	05	05	Assessment of Zero till seed cum ferti. Drill for sowing wheat after paddy harvesting. T1: Sowing by seed drill. T2: Direct sowing of wheat after paddy harvesting.	-	-	-	-
Rabi-2018-19	Low yield due to sowing of old varieties	Assess.	CMP	Wheat	Irrigated	05	05	Assessment of improved wheat varieties Pusa Anmol, Pusa Tejas under Irrigated condition. T1: GW-322. T2: Pusa Anmol T3: Pusa Tejas	-	-	-	-
Rabi-2018-19	Low yield of chick pea due to high incidence of wilt disease	Assess.	PLP	Gram	Irrigated	05	05	Assessment of IPM in chick pea for the management of	-	-	-	-

	and infestation of gram pod borer							wilt disease and gram pod borer T1: No seed treatment & IPM. T2: Seed treatment with carboxin + thiram @ 2 g/kg seed followed by biofertilizers (Rhizobium + PSB cultures) @ 5 g/kg seed. T3: T2 + use of pheromone trap @ 10/ha and foliar spray of Profenophos @ 2 ml/liter of water.				
Rabi-2018-19	Poor production and low keeping quality	Assess.	HOV	Onion	Irrigated	05	05	Assessment of HYV onion for good keeping quality. T1: Agrifound Light Red (ALR). T2: Bhima Red T3: Bhima Shakti	-	-	-	-
Rabi-2018-19	Low yield of Tomato due to Leaf Curl Virus and Early blight	Assess.	HOV	Tomato	Irrigated	05	05	Assessment of HYV variety Arka Rakshak of Tomato. T1: Local Variety T2: Arka Samrat T3: Arka Rakshak	-	-	-	-

Rabi-2018-19	Poor nitrogenous fertilizer use efficiency	Assess.	INM	Wheat	Irrigated	05	05	Assessment of Neem coated urea for enhancing -N use efficiency in wheat. T1: Nitrogen at the time of 20 DAS. T2: Neem Coated Urea @ 120 kg/ha (50% of N at the time of sowing +25 % at 20 DAS +25% at 40 DAS).	-	-	-	-
Rabi-2018-19	Deteriorating soil organic carbon content	Assess.	NRM	-	Irrigated	05	05	Assessment of Bio-waste decomposer for quality organic product to enhance soil health. T1: Dumping the farm waste and residue in pits exposed to extreme weather conditions. T2: 250 gm consortium mix 2 Kg of jiggery in 200 liter of water in a container.	-	-	-	-
Rabi-	Low yield due to	Assess.	INM	Wheat	Irrigated	05	05	Assessment of	-	-	-	-

2018-19	inadequate dose of fertilizers							nutrient management on STV basis in wheat under irrigated condition. T1: Use 75 kg DAP (18:46:0) , 250 kg urea /ha. T2: Use of NPK @ 140:70:35 kg/ha + 5 kg Zn through ZnSO4 T3: Use of Biofertilizers + 75 % NPK @ 105:52.5:26.3kg/ha + 3.75 kg Zn through ZnSO4.				
Rabi 2018-19	Poor knowledge about SHC recommendation	Assess.	CBD	Wheat	Irrigated	-	600	Assessment of knowledge & adoption of soil health card based fertilizer application. T1: Farmers are not using fertilizers as per SHC Recommendation. T2: To find out the awareness, knowledge and adoption of	-	-	-	-

								farmers toward soil health card practices.				
Rabi-2018-19	Low milk yield due to lack of essential mineral, energy protien & salt rich diet.	Assess.	AS	UMMB	Irrigated	05	05	Assessment of urea molasses mineral block (UMMB) for milk production in dairy animals. T1: No use of UMMB in dairy animals. T2: Use of UMMB @ 25 kg/10 day.	-	-	-	-
Rabi-2018-19	Low milk yield due to lack of protein rich fodder in dairy animal	Assess.	AS	Azola	Irrigated	05	05	Assessment of Azolla and Fodder production by hydroponics for feeding to dairy animals. T1: No use of Azola. T2: Azolla 1.5 kg with green fodder per day per animal. T3: T2 + Dewormer- Alvomar.	-	-	-	-
Rabi-2018-19	Low income of farm women due to improper management of bio-waste	Assess.	Income Generation	Vermicompost	Irrigated	05	05	Assessment of vermi compost production unit for income generation.	-	-	-	-

									T1: Low income of farm women due to improper management of bio-waste. T2: Vermicompost				
Rabi-2018-19	High mortality of seed during seedling preparation & low income of farm women during vegetable production	Assess.	Income Generation	Pro-Tray	Irrigated	05	05	Assessment of Pro-Tray for Vegetable seedling. T1: Traditional practice of preparation of vegetable seedling. T2: Pro-tray.	-	-	-	-	

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

2.4 Economic Performance

KVK name	OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2017-18)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Raisen	-	-	-	-	-	-	-

3.3 Details of FLDs to be implemented during 2018-19

Themati c area	Name of Crop/ Enterpris e	Seaso n and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% chang e	No. of farmers				
						Demon s	Chec k		S C	S T	OB C	Other s	Tota l
ICM	Soybean	Kharif- 2018	Demonstration on Integrated Crop Management in Soybean.	30	JS 20-29/JS 20-69.	-	-	-	-	-	-	-	-
ICM	Blackgra m	Kharif- 2018	Demonstration on Integrated Crop Management in Blackgram.	20	PU-31/PU-40	-	-	-	-	-	-	-	-
ICM	Pigeonpe a	Kharif- 2018	Demonstration on Integrated Crop Management in Pigeonpea.	10	TJT-501	-	-	-	-	-	-	-	-

ICM	Chickpea	Rabi 2018-19	Demonstration on Integrated Crop Management in Chickpea.	30	JG-63	-	-	-	-	-	-	-	-
ICM	Lentil	Rabi 2018-19	Demonstration on Integrated Crop Management in Lentil.	20	IPL-316	-	-	-	-	-	-	-	-
ICM	Linseed	Rabi 2018-19	Demonstration on Integrated Crop Management in Linseed.	30	JLS-67	-	-	-	-	-	-	-	-
ICM	Blackgram	Kharif-2018	Demonstration on weed management in Blackgram (Imazathapyre + Propaquizaphop)	Black gram/2/5	Imazathapyre + Propaquizaphop	-	-	-	-	-	-	-	-
ICM	Soybean	Kharif-2018	Demonstration on weed management in Soybean by pre-emergence weedicide (Diclosulam)	Soybean/2/5	Diclosulam	-	-	-	-	-	-	-	-
ICM	Wheat	Rabi 2018-19	Sulfosulfuron + Metsulfuron for weed control in Wheat	Wheat/2/5	Sulfosulfuron + Metsulfuron	-	-	-	-	-	-	-	-

IDM	Soybean	Kharif-2018	Management of <i>Rhizoctonia rot</i> in Soybean. (<i>Trichoderma viride</i>)	Soybean/2/5	<i>Trichoderma viride</i>	-	-	-	-	-	-	-	-
IDM	Blackgram	Kharif-2018	Management of Yellow mosaic in Blackgram (Imidacloprid 48 FS + Trizophos 40 EC)	Blackgram/2/5	<i>Trichoderma viride</i>	-	-	-	-	-	-	-	-
IPM	Soybean	Kharif-2018	Management of girdle beetle in Soybean (Thiacloprid 21.7 SC)	Soybean/2/5	Thiacloprid 21.7 SC	-	-	-	-	-	-	-	-
INM	Chickpea	Rabi-2018-19	Demonstration of Liquid Bio-fertilizer in chickpea (Rhizobium + PSB).	Chickpea/2/5	Rhizobium + PSB	-	-	-	-	-	-	-	-
INM	Soybean	Kharif-2018	Demonstration of Bentonite Sulphur in Soybean	Soybean/2/5	Bentonite Sulphur	-	-	-	-	-	-	-	-
INM	Rice	Kharif-2018	Demonstration of Potassium with STV based nutrient management in Rice.	Rice/2/5	STV based NPK & Zinc.	-	-	-	-	-	-	-	-

HOF-VE	Marigold	Kharif-2018	Demonstration of Marigold (Pusa Narangi)	Marigold/10	Pusa Narangi								
HOF-VE	Papaya	Rabi-2018-19	Demonstration of Papaya (Pusa Nanha)	Papaya/10	Pusa Nanha								
HOV-VE	Garlic	Rabi-2018-19	Demonstration of Improved variety of Garlic (G-82)	Garlic/5	G-82								
AS	Livestock	Kharif-2018	Mineral Salt lick in lactating Buffaloes	10	Mineral Salt lick	-	-	-	-	-	-	-	-
AS	Oral Calcium	Rabi 2018-19	Methochelated oral calcium supplementation on milk production in dairy buffaloes.	10	Oral Calcium	-	-	-	-	-	-	-	-
AS	Livestock	Rabi 2018-19	Demonstration of Vitamin E and Selenium in Buffalo.	10	Vitamin E & Selenium	-	-	-	-	-	-	-	-
WA	Paddy	Kharif-2018	Cono weeder in paddy crop	Paddy/2/5	cono weeder	-	-	-	-	-	-	-	-
WA	Pigeonpea	Kharif-2018	Spiral seed grader in Pigeonpea	Pigeonpea/2/5	Spiral Grader	-	-	-	-	-	-	-	-
WA	Vegetables	Rabi 2018-19	Twin –wheel hoe in vegetable crops.	Vegetables/2/5	Twin –wheel hoe	-	-	-	-	-	-	-	-

WA	Vegetables	Rabi 2018-19	Performance of Nutritional kitchen gardening.	Vegetables/2/5	Vegetable crops.	-	-	-	-	-	-	-	-
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3.3 Economic Impact of FLD

KVK Name	Name of Crop/Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Blackgram	Farmers Training	1	-	-
	Field days	1	-	-
Pigeonpea	Farmers Training	1	-	-
	Field days	1	-	-
Chickpea	Farmers Training	1	-	-
	Field days	1	-	-
Lentil	Farmers Training	1	-	-
	Field days	1	-	-
Linseed	Farmers Training	1	-	-
	Field days	1	-	-

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
-	-	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
-	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
-	-

5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only.
2. For category, training type and thematic area, use abbreviations only.

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
Vocational	Group Discussion- During the Group Discussion farmers have interested of training on Soybean Production Technology	12 th February 2017 Bhanpurgarhi (Gairatganj)	20
Vocational	Group Discussion – During the Group Discussion farmers/farmwomen have interested of training Soybean Production Technology	23 rd February 2017 Hinotiyakhash (Gairatganj)	24
Vocational	Group Discussion – During the Group Discussion farmers/farmwomen have interested of training on nursery management of vegetable crops	27 th February 2017 Sirwara (Badi)	18
Rural Youth	Group Discussion- During the Group Discussion farmers/farmwomen have interested of training on dairy/goatry management and its marketing.	17 th January 2017 Agariya Chopra (Sanchi)	17

Rural Youth	Exploratory Visit- During the exploratory visit farmwomen's have interested of training on SHGs formation, management & linkages with market.	24 th March 2017 Bilarkhoh(Sanchi)	20
Vocational	Exploratory Visit- During the exploratory visit farmers have keeps interest of training of fruit and vegetable cultivation.	08 th January 2017 Pati (Gairatganj)	21
Vocational	Exploratory visit - During the exploratory visit in the village farmers have keep interest of training for water management in different crops	20 th December 2017 Gopisur-Satkunda in Sanchi	22
Vocational	Exploratory Visit- During the exploratory visit farmers have keeps interest of training of fruit and vegetable cultivation.	05 th January 2017 Sehatganj (Sanchi)	21
Vocational	Exploratory visit - During the exploratory visit in the village farmers have keep interest of training for water management in different crops	20 th December 2017 Kailcuchh (Badi)	20
Vocational	PRA Tools- During the PRA survey of adopted village farmers have interested to training about improved Package of practices of pulses.	07 th December 2017 RatanpurBudha in Sanchi	18
Rural Youth	PRA Tools- During the PRA survey of adopted village a group of rural youth keep interest to establish a dairy unit for milk production and marketing in nearest market.	28 thNovember 2017 Mendori (Sanchi)	16
Rural youth	Group Discussion: Group discussion programme was organized in village, A group of Rural youth came during discussion and they were interested to increase the area of fodder, for availability around the year of fodder for cattle & animals in the area.	5 November -2017 Kirodha, Gairatganji (Gairatganj)	18
Rural Youth	Group Discussion: Seeing the availability of raw material for production of biopesticides .A group of rural youth was keen interest to production of bio-pesticide in village level.	14 th December 2017 RatanpurBudha (Sanchi)	15

Rural youth	PRA Tools- During the PRA survey KVK team has identified the resources for production of vermicomposting in adopted village. At the time of discussion the Rural youth of both villages (Hinotiyakhash&Bhanpurgarhi) keep interest to production & marketing of vermicompost.	18 December 2017 Hinotiyakhash, Bhanpurgarhi (Gairatganj)	28
Rural Youth	PRA Tools- During the PRA survey of adopted village the rural youth have interested to use of produces of Guava/Citrus/Mango/Amala in form of value addition to make pickles/papd/chyavanprash and chips at village level.	17 th April, 2017 Bhanpurgarhi (Gairatganj)	23
Vocational Training	PRA Tools- PRA survey conducted for adoption of villages. all farmers and farm women was raised main problem of lack of seed of Rabi &Kharif crops, Low yield of all crops and increase of cost of cultivation.	17-18 April, 2017 Pati, Dhaniyakhedi (Gairatganj)	22
Vocational Training	Diagnostic field visit: during the diagnostic field visit team of KVK scientist was identified of insect and diseases in Rabi crop at the time farmers are express no proper idea about control of insect and diseases & they have not identified the insect and diseases.	27 December, 2017 Pratapgarah (Silwani)	24
Vocational Training	Group discussion- during the group discussion farmers and farm women were know the how to increase the production and income. They not aware about the cropping system/crop rotation/right time of marketing/ right method of storage etc.	4 rd January, 2017 Magardha (Obedulaganj)	19

Vocational Training	PRA tools- PRA survey of adopted village. The farmers have animal/cattles as resources of milk, FYM& Bio-gas. Farmers were express own problem about foot and mouth diseases, kilney, jue and non availability of fodder crops for feed of animals the animals are suffering from many other problem like sanitation drainage in animal house. No care about feed health of goatry/poultry.	18 th April, 2017 Hinotiyakhash (gairatganj)	17
Vocational Training	PRA Tools/Group discussion- PRA survey conducted in adopted village and group discussion in adjoining village the farm women were express the problem about self security, empowerment and not aware about nutritional kitchen garden etc.	17 th April 2017 Bhanpurgarhi (Gairatganj)	20
Vocational Training	Exploratory Visit- during the group discussion farmers and farmwomen were know the how to increase the production and income in vegetable. They are not aware about the cropping system/crop rotation/right time of marketing/ right method of storage etc in vegetable production.	23 th December 2017 Sonkachh/ (Sanchi)	19

Table 5.2. Details of Training programmes to be conducted by the KVKs

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
FW	ONC	CRP	Integrated Weed Management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	CRP	Crop Diversification	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	CRP	Seed production	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	CRP	Integrated Crop Management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	HOV	Nursery raising technology for	1	1	20	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			vegetable crop											
FW	ONC	HOV	Vegetable Production Technology	1	1	20	-	-	-	-	-	-	-	
FW	ONC	HOV	Seed production of vegetable crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	HOF	Training and Pruning of fruit crop	1	1	20	-	-	-	-	-	-	-	
FW	ONC	HOF	Layout and Management of Orchards	1	1	20	-	-	-	-	-	-	-	
FW	ONC	HOF	Micro irrigation systems of horticulture crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	HOV	Drip irrigation technology in vegetables crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	HOM	Production technology of medicinal crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	SFM	Integrated Nutrient Management wheat crop	1	1	20	-	-	-	-	-	-	-	
FW	ONC	SFM	Micro nutrient management in vegetable crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	SFM	Soil Testing and fertilizer management	1	1	20	-	-	-	-	-	-	-	

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
FW	ONC	SFM	Integrated Nutrient Management Soybean crop	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	SFM	Integrated Nutrient Management Paddy crop	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	SFM	Awareness and training on fast microbial decomposing	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	LPM	Dairy Management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	LPM	Disease Management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	LPM	Animal nutrition Management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	LPM	Goat Rearing & management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	LPM	Poultry rearing and management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Food processing as a small enterprises for Rural farm women	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Preparation and advantage of organic farming	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Organic Nutritional kitchen Gardening for nutritional security & income	1	1	20	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			generation											
FW	ONC	PLP	Integrated Pest Management in Soybean crop	1	1	20	-	-	-	-	-	-	-	
FW	ONC	PLP	Integrated Pest Management in Rice crop	1	1	20	-	-	-	-	-	-	-	
FW	ONC	PLP	Integrated Disease Management in kharif crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	PLP	Integrated Disease Management in Rice crop	1	1	20	-	-	-	-	-	-	-	
FW	ONC	PLP	Integrated Disease Management in Soybean crop	1	1	20	-	-	-	-	-	-	-	
FW	ONC	PLP	IPM & IDM in Rabi crops	1	1	20	-	-	-	-	-	-	-	
FW	ONC	CBD	Group dynamics for organic farming	1	1	20	-	-	-	-	-	-	-	
FW	ONC	CBD	Role of Central sponsored schemes like PMFBY, PMSY, PM Soil health card yojna in sustainable agriculture development	1	1	20	-	-	-	-	-	-	-	
FW	ONC	CBD	Role of ICT tools in Agriculture	1	1	20	-	-	-	-	-	-	-	

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			Development											
RY	ONC	HOV	Low cost nursery raising technology	1	5	15	-	-	-	-	-	-	-	
RY	ONC	HOV	Production technology of flower crops	1	5	15	-	-	-	-	-	-	-	
RY	ONC	HOV	Planting material production of fruit crop	1	5	15	-	-	-	-	-	-	-	
RY	ONC	WOE	Fruit & vegetable preservation	1	5	15	-	-	-	-	-	-	-	
RY	ONC	WOE	Nursery Management technology	1	5	15	-	-	-	-	-	-	-	
RY	ONC	RYH	Dairying	1	5	15	-	-	-	-	-	-	-	
RY	ONC	RYH	Fodder production	1	5	15	-	-	-	-	-	-	-	
RY	ONC	RYH	Poultry management	1	5	15	-	-	-	-	-	-	-	
IS	ONC	CRP	Productivity enhancement in field crops	1	1	20	-	-	-	-	-	-	-	
IS	ONC	PLP	Integrated pest management in field crops	1	1	20	-	-	-	-	-	-	-	
IS	ONC	HOV	Production technology of horticultural crop under protected cultivation	1	1	20	-	-	-	-	-	-	-	

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
IS	ONC	LPM	Livestock feed and fodder production	1	1	20	-	-	-	-	-	-	-	-
IS	ONC	LPM	Climate change in Resilience and effect on livestock	1	1	20	-	-	-	-	-	-	-	-
IS	ONC	WOE	Nutritional management by crop for improvement of nutritional security	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CRP	Weed Management	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CRP	Crop Diversification	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CRP	Seed Production	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CRP	Integrated Crop Management	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	HOF	Cultivation of Fruit	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	HOF	Rejuvenation of old orchards	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	HOS	Seed production of spices crop	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	HOV	Vegetable Production Technology	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	HOV	Nursery raising technology for vegetable crop	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	HOM	Production technology of	1	1	20	-	-	-	-	-	-	-	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			medicinal crops											
FW	OFC	HOV	Drip irrigation technology in vegetables crops	1	1	20	-	-	-	-	-	-	-	
FW	OFC	SFM	Soil fertility management	1	1	20	-	-	-	-	-	-	-	
FW	OFC	SFM	Soil and Water Conservation	1	1	20	-	-	-	-	-	-	-	
FW	OFC	SFM	Integrated Nutrient Management paddy	1	1	20	-	-	-	-	-	-	-	
FW	OFC	SFM	Integrated Nutrient Management Soybean	1	1	20	-	-	-	-	-	-	-	
FW	OFC	SFM	Soil testing and fertilizer management	1	1	20	-	-	-	-	-	-	-	
FW	OFC	SFM	Awareness and training on fast microbial decomposing	1	1	20	-	-	-	-	-	-	-	
FW	OFC	LPM	Dairy Management	1	1	20	-	-	-	-	-	-	-	
FW	OFC	LPM	Disease Management	1	1	20	-	-	-	-	-	-	-	
FW	OFC	LPM	Animal Nutrition Management	1	1	20	-	-	-	-	-	-	-	
FW	OFC	LPM	Goat Rearing & management	1	1	20	-	-	-	-	-	-	-	
FW	OFC	LPM	Poultry rearing and	1	1	20	-	-	-	-	-	-	-	

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			management											
FW	OFC	WOE	Gender mainstreaming through SHGs	1	1	20	-	-	-	-	-	-	-	
FW	OFC	WOE	Storage losses minimization technique for food grains	1	1	20	-	-	-	-	-	-	-	
FW	OFC	WOE	Income generation activities for empowerment of rural Women	1	1	20	-	-	-	-	-	-	-	
FW	OFC	WOE	Mushroom production technology	1	1	20	-	-	-	-	-	-	-	
FW	OFC	WOE	Bee keeping technology	1	1	20	-	-	-	-	-	-	-	
FW	OFC	WOE	Awareness of animal husbandry for Income generation of farm women	1	1	20	-	-	-	-	-	-	-	
FW	OFC	PLP	Integrated Pest Management in field crop	1	1	20	-	-	-	-	-	-	-	
FW	OFC	PLP	Integrated Diseases Management in field crop	1	1	20	-	-	-	-	-	-	-	
FW	OFC	PLP	Integrated Diseases Management in Rabi	1	1	20	-	-	-	-	-	-	-	

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
			crop											
FW	OFC	PLP	Integrated Pest Management in Rabi crop	1	1	20	-	-	-	-	-	-	-	
FW	OFC	PLP	Production of Bio-pesticide in Kharif	1	1	20	-	-	-	-	-	-	-	
FW	OFC	PLP	Production of Bio-pesticide in Rabi	1	1	20	-	-	-	-	-	-	-	
FW	OFC	CBD	Role of leadership for Agriculture Development	1	1	20	-	-	-	-	-	-	-	
FW	OFC	CBD	Strategical plan for production of kharif crop	1	1	20	-	-	-	-	-	-	-	
FW	OFC	CBD	Role of Central sponsored schemes like PMFBY, PMSY, PM Soil health card yojna in sustainable agriculture development	1	1	20	-	-	-	-	-	-	-	
FW	OFC	CBD	Strategical plan for production of Rabi crop	1	1	20	-	-	-	-	-	-	-	
FW	OFC	CBD	Role of ICT tools in Agriculture development	1	1	20	-	-	-	-	-	-	-	
FW	OFC	CBD	Group dynamics for organic farming	1	1	20	-	-	-	-	-	-	-	

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	
FW	OFC	CBD	Risk management through diversified farming	1	1	20	-	-	-	-	-	-	-	-
RY	OFC	HOV	Production technology Commercial Fruit Production	1	5	15	-	-	-	-	-	-	-	-
RY	OFC	HOV	Production technique for organic manure	1	5	15	-	-	-	-	-	-	-	-
RY	OFC	LPM	Backyard poultry production for income generation	1	5	15	-	-	-	-	-	-	-	-
IS	OFC	WOE	Nutritional management by crop for improvement of nutritional security	1	1	20	-	-	-	-	-	-	-	-
IS	OFC	PLP	Integrated pest management in field crops	1	1	20	-	-	-	-	-	-	-	-

Table 5.3 Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Low cost nursery raising technology	Vegetable crop	HOV	5	-	-	-	-	-	-
Production technology of flower crops	Flower	HOV	5	-	-	-	-	-	-

Planting material production of fruit crop	Fruit crop	HOV	5	-	-	-	-	-	-
Fruit & vegetable preservation	Fruit & vegetable	WOE	5	-	-	-	-	-	-
Nursery Management technology	Vegetable	HOV	5	-	-	-	-	-	-
Dairying	Livestock	LPM	5	-	-	-	-	-	-
Fodder production	Fodder	LPM	5	-	-	-	-	-	-
Poultry management	Livestock	LPM	5	-	-	-	-	-	-
Production technology Commercial Fruit Production	Fruit crop	HOV	5	-	-	-	-	-	-
Production technique for organic manure	Vermicompost	HOV	5	-	-	-	-	-	-
Backyard poultry production for income generation	Backyard	LPM	5	-	-	-	-	-	-

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed elsewhere
	Type of units	Number of units	Number of persons employed	
-	-	-	-	-

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub- theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Dura- tion (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 7. Area expanded (ha) 8. No. of farmers adopted (no.) 9. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
-	-	-	-	-	-	-	-	-

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Advisory Services	60	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	2	-	-	-	-	-	-	-	-	-	-
Awareness programme	2	-	-	-	-	-	-	-	-	-	-
Celebration of important days	5	-	-	-	-	-	-	-	-	-	-
Diagnostic visits	10	-	-	-	-	-	-	-	-	-	-
Exhibition	2	-	-	-	-	-	-	-	-	-	-
Exposure visits	2	-	-	-	-	-	-	-	-	-	-
Extension Literature	30	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	2	-	-	-	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Farm advisory Services	4	-	-	-	-	-	-	-	-	-	-
Farm Science Club conveners meet	2	-	-	-	-	-	-	-	-	-	-
Farmers Seminar/Workshop	4	-	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	300	-	-	-	-	-	-	-	-	-	-
Field Day	4	-	-	-	-	-	-	-	-	-	-
Film Show	12	-	-	-	-	-	-	-	-	-	-
Group meetings	8	-	-	-	-	-	-	-	-	-	-
Interface	2	-	-	-	-	-	-	-	-	-	-
Kharif Sammelan	1	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	2	-	-	-	-	-	-	-	-	-	-
Kisan Mela	1	-	-	-	-	-	-	-	-	-	-
Krishi Gyan Doot meet	2	-	-	-	-	-	-	-	-	-	-
Krishi Mahotsav	2	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	10	-	-	-	-	-	-	-	-	-	-
Mahila Mandals conveners meetings	2	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	2	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	40	-	-	-	-	-	-	-	-	-	-
Popular articles	20	-	-	-	-	-	-	-	-	-	-
Pradhanmantri phasal bema yojana	1	-	-	-	-	-	-	-	-	-	-
Radio talks	12	-	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	30	-	-	-	-	-	-	-	-	-	-
Self Help Group conveners meetings	2	-	-	-	-	-	-	-	-	-	-
Soil health Camp	2	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	2	-	-	-	-	-	-	-	-	-	-
Summer deep ploughing	2	-	-	-	-	-	-	-	-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Technology Week	1	-	-	-	-	-	-	-	-	-	-
TV talks	12	-	-	-	-	-	-	-	-	-	-
Workshop	2	-	-	-	-	-	-	-	-	-	-
Others	-	-	-	-	-	-	-	-	-	-	-

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity (q)	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Cereals	-	-	-	200	-	-	-
Pulses	-	-	-	75	-	-	-
Oilseed	-	-	-	100	-	-	-

7.2 Planting Material production

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Vegetables	Onion	-	-	-		7000 Seedlings	-	-	-	-
Vegetables	Brinjal	-	-	-		7000 seedlings	-	-	-	-
Vegetables	Tomato	-	-	-		6000 seedlings	-	-	-	-

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

Name of the Product	Qty	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
BIOAGENTS	-	-	-	-

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	-	-	-	-	-	-
Buffalo	-	-	-	-	-	-
Sheep and Goat	-	-	-	-	-	-
Poultry	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-
Others (Specify)	-	-	-	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab

: YES (Soil Testing Lab only)

Year of establishment

: 2014

8.1 Details of soil & water samples analyzed so far :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	500	-	-	-	-
Water Sample	-	-	-	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

No. of messages to be sent	No. of beneficiaries		No of Village Covered	Major recommendations
	Farmers	Ext. Pers.		
70	48000	255	1497	-

11. Details of SAC Meeting

Date of SAC meeting	No. of SAC members attended	Major recommendations
06/06/2018	-	-
10/10/2018	-	-

12. Literature to be Last Developed/Published (with full title, author & reference)**12.1 KVK Newsletters**

Date of start	Periodicity Quarterly	Number of copies to be printed	Number of copies to be distributed
	April-June 2018	500	500
	July-September 2018	500	500
	October- December 2018	500	500
	January- March 2019	500	500

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Raisen	-	-	-

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper	5	-	-	-	-
Technical bulletins	3	-	-	-	-
Technical reports	3	-	-	-	-
Popular article	15	-	-	-	-
News paper coverage	25	-	-	-	-
Year Planner	01	-	-	-	-
Others (pl. specify)	-	-	-	-	-

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA					
MNREGA					

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds):

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Raisen	-	-		-	-	-	-

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Raisen	21/03/2008	01/05/2008	06	-	-

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Raisen	-	-

b) Details about Technology Park

Name of Component of Park	Detail Information (If established)
Crop Cafeteria	
Technology Desk	
Visitors Gallery	
Technology Exhibition	
Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
-	-	-

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Raisen	-	-	-

18. KVK interaction with progressive farmers-

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	-	-

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Raisen	Sanchi	Obedullaganj	15	10
Raisen	Gairatganj	Badi	15	10
Raisen	Begamganj	Udaipura	5	10
Raisen	Silwani		5	10

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained
1	KVK- Bhopal	Improved Technology and farm implements	
2	KVK- Sagar	Improved variety of seeds	

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Raisen	-	-	-

23. Status of KVK Website:

Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
Raisen	29/04/2011	125	13180

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Raisen	-	-

25. E-CONNECTIVITY (ERNET Lab)

Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			
-	-	-	-	-	-	-

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies	01		
Lectures organized	04		
Exhibition	01		
Film show	04		
Fair	-		
Farm Visit	01		
Diagnostic Practical's	02		
Distribution of Literature (No.)	1000		
Distribution of Seed (q)	02		
Distribution of Planting materials (No.)	-		
Bio Product distribution (Kg)	-		
Bio Fertilizers (q)	-		

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Distribution of fingerlings	-		
Distribution of Livestock specimen (No.)	-		
Total number of farmers visited the technology week	-		
Animal health camp	01		
Awareness programme	01		
Cashless Transaction Week	01		
Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)	01		
Demonstration	-		
Exposure visit	01		
Extension activity	02		
Ex-trainees Meet	02		
Farmer scientist interaction	02		
Farmers Training	02		
Field Day	02		
Field visit	02		
Gajarghans Unmulan Pakhwada	01		
Group Meeting	01		
Hindi diwas pakhwada	01		
Jai Kisan Jai Vigyan Sangoshthi	01		
Narmada sewa Yatra	-		
News Paper/Mass Media	02		
Plant health camp	02		
Plant Protection Week	01		
Scientists visits in farmers field	02		
Seed treatment campaign	02		

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Self Help Group convener meet	01		
Soil health Camp	02		
Swachha Bharat Abhiyan	02		
Technology Week	01		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Raisen	Soybean	20	50
2	Raisen	Blackgram	20	50
3	Raisen	Pigeonpea	10	25
4	Raisen	Lentil	20	50
5	Raisen	Chickpea	30	75
6	Raisen	Linseed	30	75

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Raisen	Oilseeds	-	-
2	Raisen	Pulses	-	-
3	Raisen	Cereals	-	-
4	Raisen	Vegetable crops	-	-
5	Raisen	Tuber crops	-	-
6	Raisen	Fruits	-	-
7	Raisen	Spices	-	-
8	Raisen	Cotton	-	-

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	Raisen	Dairy Management	02	20
2	Raisen	Disease management	02	20

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
3	Raisen	Feed and fodder technology	02	20
4	Raisen	Poultry management	02	20

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Raisen	01	-	-

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Raisen	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Raisen	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Raisen	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Raisen	-	-	-	-

Vermis Produced

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Raisen	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Raisen	-	-	-

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Raisen	-	-	-	-	-	-	-	-	-	-	-	-

28. Proposal of NICRA (N.A.)

29. Proposed works under NAIP (in NAIP monitoring format)

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
-	-	-	-	-

31. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
-	-	-	-	-

32. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies

6. KVK, Ratlam

PERIOD – April 2018 to March, 2019

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
OFTs	18	733			
FLDs – Oilseeds (activity in ha)	4	140			
FLDs – Pulses (activity in ha)	2	20			
FLDs – Cotton (activity in ha)	1	10			
FLDs – Other than Oilseed and pulse crops(activity in ha)	8	80			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	2	20			
Training-Farmers and farm women	52	1142			
Training-Rural youths	5	101			
Training- Extension functionaries	5	103			
Extension Activities	1261	-			
Seed Production (Number of activity as seeds in quintal)	80 qtl.	-			
Planting material ((Number of activity as quantity of planting material in quintal)	22950	-			
Seedling Production (Number of activity as number of seedlings in numbers)	6500	-			
Sapling Production (Number of activity as number of sapling in numbers)	16450	-			
Other Bio- products (No. of quantity)	100 qtl.	-			
Live stock products	3500 lit.	-			
Activities of Soil and Water Testing Laboratory	500	-			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	42400	-			
SAC Meeting (Date & no. of core/ official members)	5	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Literature to be Developed/Published	51	-			
Convergence programmes / Sponsored programmes	4	-			
Utilization of Farmers Hostel	-	-			
Utilization of Staff Quarters	6	-			
Details of KVK Agro-technological Park	-	-			
Crop Cafeteria-	2	mass			
Farm Innovators- list of 10 farm innovators from the District	-	-			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	2	-			
KVK Progressive Farmers interaction	2	39			
Outreach of KVK in the District (No. of blocks, no. of villages)	6/152	-			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	2	-			
Important visitors to KVK	-	-			
Status of KVK Website	10	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	2	-			
Interventions on Drought Mitigation	-	-			
Proposal of NAIP	-	-			
Proposal of NICRA	30	552			
Well labeled photographs	-	-			
Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2018

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Ratlam	16	1	0	6	3	3	3	6	6	16	12

Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present Basic pay	Date of joining	Per./Temp.	Category
Programme Coordinator	Vacant	-	-	-	-	-	-	-	-
Subject Matter Specialist1	S.B.Sharma	SMS	M.Sc.	Plant Breeding	15600-39100 G.D. Rs. 5400	32090	17.01.01	Permanent	Others
Subject Matter Specialist2	Dr. Kamini Kumari	SMS	Ph.D.	SMS (Soil Science)	15600-39100 G.D. Rs. 5400	21630	04.04.15	Permanant	Others
Subject Matter Specialist3	Dr. Manoj Kumar Jat	SMS	Ph.D.	SMS (Plant Protection)	15600-39100 G.D. Rs. 5400	21000	21.02.18	Temporary	Others
Subject Matter Specialist4	Vacant	-	-	-	-	-	-	-	-
Subject Matter Specialist5	Vacant	-	-	-	-	-	-	-	-
Subject Matter Specialist6	Vacant	-	-	-	-	-	-	-	-
Programme Assistant	Dr. Barkha Sharma	PA	Ph.D.	Home Science	9300-34800 G.D. Rs. 4200	17680	01.02.08	Permanent	Others
Farm Manager	Dr. D.R.	PA	Ph.D.	Animal	9300-	14320	18.03.14	Temporary	Others

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present Basic pay	Date of joining	Per./Temp.	Category
	Pachauri			Husbandry	34800 G.D. Rs. 4200				
Computer Programmer	Manoj Kumar Rajak	PA	M.Sc. & PGDCA	Computer	9300-34800 G.D. Rs. 4200	20030	16.05.05	Permanent	OBC
Accountant / superintendent	Anil Upadhyay		M.Com	-	9300-34800 G.D. Rs. 4200	16540	11.02.10	Permanent	Others
Stenographer	Vacant	-	-	-	-		-	-	-
Driver	Mata Prasad Sharma		12 th	-	5200 – 20200 G.D. Rs. 2000	12730	07.02.00	Permanent	Others
Driver	Ghyanshyam		8 th	-	5200 – 20200 G.D. Rs. 2000	11700	01.02.00	Permanent	OBC
Supporting staff	Niranjan Nath		12 th	-	4400-7440 G.D. 1300	10020	07.02.00	Permanent	OBC
Supporting staff	Mukesh		8 th	-	4400-7440 G.D. 1300	9230	16.08.95	Permanent	OBC
Supporting staff	Jagdish		5 th	-	4400-7440 G.D. 1300	9230	16.08.95	Permanent	SC

1.2.1 DISTRICT

Total no. of blocks	06
Total Gram Panchayat	419
Total No. of village	1053
Total Agri.Production Mandi Samiti	06
Total population	1454483 S.C. (13.41%) & S.T.(25.89%)
Rural Population (70%)	1018138

1.2.2 GEOGRAPHY

Total Geographical area (ha):	486474
Latitude	23.05 – 23.55 N
Longitude	74.30 – 75.42 E
Altitude (M.S.L.)	488
Rainfall (mm)	895.90
Maximum Temp.	44.28oC
Minimum Temp.	4.00°C
Agro-climate Zone	Malwa Plateau proper no. 9
Agro-climate region	15 D2

1.2.3 Demography & Literacy

Total population	1454483
Male Population	737365
Female Population	717118
Population growth Rate	19.70%
Sex Ratio	973/1000
Total Literacy Percentage	68.00%
Male Literacy	79.40%
Female Literacy	56.50%

1.2.4 Category of farmers Total No. of farmers : 152763

Block wise & category wise farmers of ratlam district

S.N.	Particular	Ratlam	Sailana	Bajana	Jaora	Piploda	Alot	Total
1.	2.	3.	4.	5.	6.	7.	8.	9.
1.	Total No. of farm family	48998	15907	38818	35958	26447	52701	218809
2.	SC farmers	5179	235	320	6971	3851	5122	21671
3.	ST farmers	12089	12368	37883	2575	3563	6050	74528
4.	Landless labourer	25067	3591	2566	11986	10095	11502	64807

S. No	Category	Nos.
1.	Marginal farmer (less than 1.0 ha)	54968
2.	Small farmer (1 ha to 2 ha)	42335
3.	Semi medium (2 ha to 4 ha)	32508
4.	Medium farmers (4 ha to 10 ha)	19716
5.	Large farmers (more than 10 ha)	3236

1.2.5 LAND UTILIZATION

A. Land use classification (Unit 000 ' Hectare)

Geographical area	486.0
Forest Area	34.30 (7.06%)
Land Put to Non agricultural land	30.70
Bassen and uncultivable land	41.60
Total land not available for cultivation	72.30 (14.9%)
Permanent pasture & other grazing land	28.60
Under Maize, Trees, Crops & Groves	0.10
Cultivable waste land	15.20
Other uncultivable land excluding fallow land	43.9 (9%)

B. Land use classification (Unit 000 ' Hectare)

Kharif Sown Area	307.50
Rabi Sown Area	175.80
Gross Sown Area	483.50
Net Sown Area	333.50
Net Sown Area (%)	68.6
Area sown more than once	175.80
Gross cropped area	483.50
Cropping intensity	145
Net irrigated Area	133.0
% of irrigated	40
Fallow land	2.10

1.2.6 Rainfal information

Year	Mili Meter
General	895.9
2000-01	402.0
2001-02	585.1
2002-03	511.0
2003-04	888.8
2004-05	968.1
2005-06	766.0
2006-07	1652.3
2007-08	1190.0
2008-09	445.4
2009-10	677.4
2010-11	883.2
2011-12	1176.2
2012-13	981.0
2013-14	1100.3
2014-15	640.00
2015-16	1041.00
2016-17	1350
2017-18	936.3

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

S. No	Farming system/enterprise	Percentage
1.	Agriculture	40
2.	Agriculture + Horticulture	25
3.	Agriculture + Dairying	25
4.	Agriculture + Goatry / Backyard poultry	10

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

S. No	Agro-climatic Zone	Characteristics	
1.	Malwa Plateau Proper No. 9 (Region 15D2)	Impeded drainage in medium and deep black soils, low cropping intensity, high runoff. The soils are low in N, medium in P, and medium to high in K, Deficiency of Zn and S varies from 25 to 75 percent.	
Agro-Ecological Situation		Characteristics	
AES-I	Block Covered	:	04 (Jaora, Piploda, Alot & Half part of Ratlam)
	Geographical Area	:	394045
	Topography	:	Gentel Slopy
	Soils	:	Medium Black Soil
	Major Farming systems	:	Agriculture + Horticulture + Animal Husbandry
	Major crops	:	Soybean, Garlic, Tomato, Wheat, Gram
AES-II	Block Covered	:	03 (Sailana, Bajana & Some part of Ratlam)
	Geographical Area	:	94429
	Topography	:	Moderately Sloping
	Soils	:	Medium to shallow black soil
	Major Farming systems	:	Agriculture + Horticulture
	Major crops	:	Maize, Cotton, Tomato, Chilli

Agro ecological situation	Characteristics
Climate / Rainfall	<p>Based on the Thomthwaite system of climate classification, Ratlam District has been classified as semi arid and dry subhumid climatic type with index (-) 35.77. The district receives an average 975 mm of rainfall. The probability analysis of rainfall indicated that the wet rainfall year (20% probability level) the rainfall exceeds 1147 mm while in dry year (80% probability level) the rainfall less than 747 mm. The mean annual rainfall covers 60% of total PET demand. The South West monssonal rainfall which is key to success of rainfed farming of the district. The climatic soil / water balance date indicates that the district receives surplus rainfall of 283 mm during August and September while remaining period the soil moisture control section remains partly dry suggesting irrigation requirement for achieving potential production.</p> <p>The mean annual temperature varies from 18 to 25°C with annual mean of 25.5°C. The region experiences hot summer and mild winter with mean summer temperature 31.1°C and mean winter temperature of 20.0°C. The mean annual summer temperature (MAST) is greater than 22°C while the mean summer soil (MSST) and mean winter soil temperature (MWST) differ by more than 5°C soil characterizing HYPERTHERMIC temperature regime. The soil moisture control section remains moist in some or all parts for over 180 days, and continuously dry for</p>

more than 90 days representing the TYPIC USTIC moisture regime suitable for relay sequential crops.

1.2.9 Soil type

S. No	Soil type	Area in ha
1.	Lithic Ustorthents – Lithic Haplustepts – Typic Ustorthents	29188
2.	Typic Haplustepts - Lithic Ustorthents – Lithic Haplustepts	38918
3.	Typic Ustorthents - Typic Haplustepts - Lithic Ustorthents	38918
4.	Typic Haplusterts - Typic Haplusterts – Typic Ustorthents	43783
5.	Vertic Haplustepts - Typic Haplusterts - Typic Haplustepts	48640
6.	Chromic Haplusterts – Typi Chaplusterts - Typic Haplustepts	111889
7.	Vertic Haplustepts - Typic Haplusterts - Typic Haplustepts	68106

1.2.10 Irrigation source and irrigated area

S.N.	Name of source	Number	Irrigated area in ha
1.	Well	51568	13100
2.	Tubewell	16630	72750
3.	Pond	108	32508
4.	Canal	39	1700
5.	Other sources	469	20748
	Total	68814	140806

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

A. Agriculture Crops

KVK Ratlam	DISTRICTWISE AREA, PRODUCTION & YIELD								
	AREA IN "000" HECTARE, PRODUCTION IN "000" M. TONNES, YIELD IN KG./ HECTARE								
	2013-14			2014-2015			2015-16		
	Area	Production	Productivity	Area	Production	Productivity	Area	Production	Productivity
Maize	42	180	4307	38	79	2079	42	95	2282
Urd	9	7	795	10	5	500	7	5	676
Soybean	233	340	1104	229	202	881	230	206	894

Wheat	109	296	2713	91	262	2882	105	357	3399
Gram	79	77	978	69	76	1101	74	52	707
Mustard	7	19	1690	7	12	1695	8	12	1570
Cotton	-	-	-	11	13	640	23	13	765

Source : www.mpkrishi.org

B. Horticulture Crops

Major crops	Area (ha)	Production (in tonne)	Productivity (kg/ha)
Chilli	9600	19520	1950
Coriander	945	1046	1110
Garlic	17435	213576	12250
Ginger	658	11874	18130
Turmeric	285	4030	14150
Methi	9835	14948	1520
Potato	1520	24501	16120
Onion	5390	82195	15250
Tomato	3900	130983	31570
Okra	1192	15817	13270
Cucurbits	4155	67393	16220
Brinjal	1155	18050	15630
Cabbage	1640	22499	13720
Cauliflower	1875	18515	15260
Pea	703	65447	9310
Mango	432	1696	2750
Guava	834	17760	14620
Lemon	789	16795	15200
Mandrin	3530	61729	17100
Grape	45	950	15100
Papaya	243	7913	21108
Pomegranate	355	4217	11101
Aonla	119	5672	8100

Major crops	Area (ha)	Production (in tonne)	Productivity (kg/ha)
Marigold	2333	21463	9200
Tulsi	1850	2756	1490
Isbgol	715	964	1350
Aswagandh	650	577	890
Kalmegh	775	92	120
Ajwain	780	693	890
Chandrasur	1825	2116	1160

Source : Horticulture Department , Ratlam (M.P.)

C. Animal Census Distt. Ratlam (M.P.)

Block	Cattle	Buffaloes	Goat	Sheep	Camel	Mule	Donkey	Horse	Dogs	Pigs	Poultry	Grand Total
Piploda	30124	24089	11642	579	-	02	28	25	934	245	2670	70338
Jaora	40416	32585	29688	1878	05	02	52	88	556	250	7308	112828
Alot	58386	33414	37192	2794	02	-	106	111	884	110	11467	144466
Sailana	45746	11108	28247	150	-	-	27	-	4099	10	21602	110989
Bajana	57800	12202	41639	89	-	-	91	24	5640	24	44461	161970
Ratlam	71526	49551	36180	438	-	-	54	97	1489	1845	45263	206443
Grand Total	303998	162949	184588	5928	07	04	358	345	13602	2484	132771	807034

Source : Deputy Director, Veterinary Services, Ratlam (M.P.)

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2018 to 31.3.2019 (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kalaliya	2018-19	Jaora	20	3514	653
Roopnagar	2018-19	Jaora	22	460	71
Moriya	2018-19	Jaora	24	1475	232
Moyakheda	2018-19	Jaora	22	1361	247
Sarsoda	2018-19	Jaora	18	871	150

Borda	2018-19	Jaora	15	1919	421
Kariya	2018-19	Sailana	35	2053	336
Ambakudi	2018-19	Sailana	40	214	37
Chawadakhedi	2018-19	Sailana	45	408	78
Makodiya Rundi	2018-19	Sailana	44	439	78
Morjhar	2018-19	Sailana	48	830	160
Kandarwasa	2018-19	Ratlam	35	1870	366
Mewasa	2018-19	Ratlam	38	1290	237
Baroda	2018-19	Ratlam	40	537	104
Bajada	2018-19	Ratlam	41	1298	227
Namli	2018-19	Ratlam	39		
Semaliya	2018-19	Ratlam	44	4042	703
Nandlai	2018-19	Ratlam	60	960	208
Nawabganj	2018-19	Piploda	30	691	172
Kharwakhurd	2018-19	Alot	55	1485	315
Dhamniya	2018-19	Bajana	70	924	172

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Ratlam	Increase of seed replacement ratio and quality seed production.
Ratlam	Promotion for soil and water conservation – recharging tube well & dug well
Ratlam	Integrated nutrient and soil health management
Ratlam	Awareness for micro irrigation system and fertigation.
Ratlam	Integrated pest and disease management
Ratlam	Awareness and promotion of organic farming
Ratlam	Promotion of spices, vegetable, fruits, medicinal and floriculture.
Ratlam	Cross breeding, grading and selective breeding of dairy cattle with feed management.
Ratlam	Promotion of quality fodder production and availability of greens all the year ground.
Ratlam	Promotion of improved farm implements to reduce labour cost input
Ratlam	Promotion of post harvest management and effective marketing specially for horticulture crop produce.
Ratlam	Promotion of farmers organization through self help group and kisan club.
Ratlam	Women empowerment and drudgery reduction.

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified	Methods of problem identification	Location Name of Village & Block
Low yield due to use of local (home grain) untreated / ungraded seed	Farmers interview / Diagnostic visit / Group Discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Imbalance use of fertilizer, no use of bio-fertilizer (culture)	Farmers group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low yield due to incidence of insect pest disease, injudicious use of pesticides	Seasonality study, survey and group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Farmers grow crop in the same field every year and sole crop traditionally	Farmers discussion and interview	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low yield due to depletion of nutrient in soil, lack of humus and organic matter indiscriminate use of chemicals	By study of soil testing report and soil survey	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low yield due lack of knowledge for fruits and vegetable cultivation	Farmers group discussion and Field visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due to disease incidence and out break	Seasonality study, survey and group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due to imbalance of poor quality under feeding of live stock	PRA/ Farmers group discussion and Field visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Infertility, delayed estrous, long calving interval of repeat breeding	A.H. Camp, Group discussion & diagnostic visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due poor management in goats	Farmers group discussion and Field visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Low production due to poor health and care management	A.H. Camp, Group discussion & diagnostic visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
lack of knowledge awareness regarding nutrient food, hygiene and health	Women's meeting, Group discussion & visit	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana
Lack of knowledge & awareness among farmers to work in group	Self Help Group Meeting / Group discussion	Ratlam, Jaora, Piploda, Alot, Sailana, Bajana

2. On Farm Testing

2.1 Information about OFT to be conducted

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
Kharif 2018	Low yield due to old var. JS 9560 & aberrations in weather;.	Assessment	CRP	Soybean	Rainfed	1	07	Assessment of soybean production technology for higher productivity in soybean - chickpea cropping system				
Kharif 2018	Low yield of maize due to use of local variety	Assessment	CRP	Black Gram	Rainfed	1	10	Assessment of Production technology in black gram – garlic cropping system				
Kharif 2018	Low yield due to farmer use only Green Fodder+ Dry Fodder + Cake (No mineral mixture)	Assessment	LPM	Enterprise	Rainfed	1	21 animal	Assessment of contrite and Mineral Mixture for increasing milk production on dairy cow				
Kharif 2018	Low yield of soybean due to heavy incidence of Girdle beetle	Assessment	IPM	Soybean	Rainfed	1	7	Assessment of IPM technology in soybean				
Kharif	Low yield of	Assessment	IPM	Cotton	Rainfed	1	7	Assessment of				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
2018	cotton due to sucking pest							IPM technology in cotton				
Kharif 2018	Malnutrition among farm families due to low nutrient diet.	Assessment	Nutritional Security	Maize	Rainfed	1	07	Assessment of maize variety QPM -5,7 for nutritional security for farm families.				
Kharif 2018	Low income of farm women involved in dairy due to imbalance feeding	Assessment	Drudgery Reduction	LPM	Irrigated	1	12	Assessment of efficiency enhancement and reduction of drudgery of farm women involved in milking of animal				
Kharif 2018	Deteriorating soil organic carbon content	Assessment	INM	Bio-waste	Rainfed	1	05	Assessment of Bio-waste decomposer for quality organic product to enhance soil health				
Kharif 2018	Low yield due to imbalance use of fertilizer and not use of OM	Assessment	INM	Maize	Rainfed	1	07	Maize cultivation with organic manure				
	Poor knowledge	Assessment	CBD	Enterprise	-	1	600	Assessment of				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	about SHC recommendation							knowledge & adoption of soil health card based fertilizer application				
Rabi 2018- 19	Low yield due to limited irrigation	Assessment	CRP	Wheat	Irrigated	1	10	Assessment of Wheat Production technology in soybean – wheat cropping system.				
Rabi 2018- 19	Low yield due to use of old variety pusa bold	Assessment	CRP	Gram	Irrigated	1	07	Assessment of Mustard technology in soybean – mustard cropping system.				
Rabi 2018- 19	Low yield of gram due to heavy incidence of gram pod borer and cut worm	Assessment	IPM	Gram	Irrigated	1	7	Assessment of IPM technology in gram				
Rabi 2018- 19	Low yield of Tomato due to heavy incidence of insect pest	Assessment	IPM	Tomato	Irrigated	1	7	Assessment of IPM technology in tomato				
Rabi	Ratlam is the	Assessment	Value	-	-	1	12	To assess the				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
2018- 19	leading producer of fruits and vegetables in the M.P. However due to non availability of adequate preservation and storage facility, small and marginal farmers are not to		addition					efficiency for increasing self life of perishable fruits and vegetable by using portable zero energy fruit and vegetable preservator (Janta fridge)				
Rabi 2018- 19	(i) Low iron content in diet. (ii) Use of traditional diet. (iii) Lack of knowledge about nutritional foods (iv) Prevalence of infectious diseases (v) Poor socio economics conditions	Assessment	Nutritional Security	Enterprise	-	1	07	Assessment of nutrient efficient diet in pre school children				
Rabi 2018- 19	Producing low quality of vermicompost production due to non scientific method of compost making	Assessment	Organic Farm	Vermicompost	Irrigated	1	07	Assessment of nutrient content in organic fertilizer (Vermi compost)				
Rabi	Low yield due to	Assessment	INM	Garlic	Irrigated	1	07	Nutrient				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
2018- 19	imbalance use of fertilizer and not use of mulching							management in garlic with mulching				

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
-	-	-

2.5 Economic Performance

KVK name	OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP(T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)
-	-	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2017-18)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha

3.2. Details of FLDs to be implemented during 2018-19

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
CRP	Soybean	Kharif 2018	HYV (RVS 2001-4)+ RDF + seed treatment + culture + Need base pesticide	5.0	RVS 2001-4									10
CRP	Maize	Kharif 2018	HYV (DKC – 9133) + RDF + seed treatment + culture + Need base pesticide	5.0	DKC - 9133									10
IPM	Soybean	Kharif 2018	Spray of Ranaxyphyor 20 EC @ 100 ml/ha	5.0	-									10
IPM	Cotton	Kharif 2018	Spray of Thiodicarb 75 WP @ 500 gm/ha	5.0	-									10
LPM	Enterprise	Kharif 2018	Naval treatment, Feedling colustrum, De-worming, Vitamin & mineral supplement, Antibiotics / Cocidiostat, Timely Vaccination, Hygiene & Cleanness.	30 kids	-									10
WOE	Enterprise	Kharif 2018	Balance Feed + Mineral Mixture + Vaccination + De-worming	-	Goatry									10
WOE	Maize	Kharif 2018	Grain pro-super bag	-	-									10
INM	Soybean	Kharif 2018	RDF - NPKS (20:60:20:20) + WDG Sulphur @ 20 kg/ha	5.0	-									10

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
INM	Marigold	Kharif 2018	RDF (60:75:50) + 25 tonne FYM	5.0	-									10
CRP	Wheat	Rabi 2018-19	HYV (MP – 3288) + RDF + seed treatment + culture + Need base pesticide	5.0	MP – 3288									10
CRP	Gram	Rabi 2018-19	HYV (RSG – 945)+ RDF + seed treatment + culture + Need base pesticide	5.0	RSG - 945									10
IPM	Garlic	Rabi 2018-19	Imidachloprid 17.8% SL @ 120 ml/ha + sulfax 80% w.p. @ 1.6 kg/ha & 10/ ha sticky trap + chipko for control of thrips	5.0										10
IPM	Wheat	Rabi 2018-19	Spray of Propiconazol 25% EC @ of 300 ml/ha	5.0										10
Nutritional Security	Wheat	Rabi 2018-19	HYV (HI 86-63 Poshan) Naturally bi fortified food, Dual Purpose, β – carotene, high hectoliter weight, Higher Protein Content and High level of micro nutrient.	1.0										10

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
WOE	Gram	Rabi 2018-19	Grain pro-super bag	-	-									10
INM	Garlic	Rabi 2018-19	60:60:30:20 (NPKS) + 2.5 t/ha vermin compost	5.0										10
INM	Mustard	Rabi 2018-19	RDF (60:30:20) + 20 kg S / ha	5.0										10

3.3 Economic Impact of FLD

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
-	-	-	-	-	-	-	-	-	-	-	-	-

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Field days	-	-	-
	Farmers Training	-	-	-
	Media coverage	-	-	-
	Training for extension functionaries	-	-	-

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
-	-	-	-	-	-

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
-	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
-	-

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
-	-	-	-

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FW	On	CP	Organic Farming	1	3	25								
FW	On	CP	Production Technology of soybean & maize	1	2	20								
FW	On	CP	Recommended varieties and production technology of rabi crops	1	2	25								
FW	On	CP	Seed Production Technique in Berseem	1	2	20								
FW	On	CP	Recommended varieties and production technology of summer fodder crops	1	2	25								
FW	On	IPM	Importance of soil solarization in IPM	1	2	30								
FW	On	IPM	Plant protection measures in	1	2	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			<i>Kharif</i> season crops											
FW	On	IPM	IPM and IDM in vegetable crops	1	2	25								
FW	On	IPM	Use of bio-pesticides in plant protection	1	2	30								
FW	On	IPM	Insect pests and diseases management in maize	1	2	30								
FW	On	LPM	Low cost balance feed ration preparation from local available agricultural bio products and residues.	1	03	20								
FW	On	LPM	Azola culture production and feeding in live stocks for increasing production	1	04	20								
FW	On	LPM	Precautions during pre-parturition, parturition, post partition and calf management in dairy animals.	1	03	20								
FW	On	LPM	Different composting methods for proper utilization of cow dung, urine and straw waste.	1	03	20								
FW	On	SFM	Zero Budget Natural farming	1	03	21								
FW	On	SFM	Vermi-compost and Vermi-wash preparation and importance	1	03	21								
FW	On	SFM	Zivamrit, Bijamrit, Pachgaya Preparation and its importance	1	03	21								
FW	On	SFM	Pesticide fungicide preparation with different	1	03	21								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			pests of plants and its application method.											
FW	On	WOE	Food Preservation & Value addition of different types of fruits	1	03	15								
FW	On	WOE	High Protein supplement diet for school going children	1	03	17								
FW	On	WOE	Importance and methods of seed treatment and use of bio fertilizers	1	03	17								
FW	On	WOE	Layout and planning for establishment of nutritional garden	1	03	15								
FW	On	WOE	Preparation of different value added product of aonla	1	03	15								
FW	Off	CP	Post Harvest Technology for Rabi Crops	1	2	30								
FW	Off	CP	Ridge & Furrow sowing technology in kharif crops	1	3	25								
FW	Off	CP	Weed Management in Kharif crops	1	2	25								
FW	Off	CP	Seed Production Technique in Wheat	1	2	25								
FW	Off	IPM	Weed Management in Rabi Crops	1	2	25								
FW	Off	IPM	Insect pest and diseases management in seed spices	1	2	30								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			crop											
FW	Off	IPM	Insect pests management in soybean	1	2	30								
FW	Off	IPM	Production and use of different botanical pesticides in IPM	1	2	25								
FW	Off	IPM	Use of different traps in IPM	1	2	30								
FW	Off	IPM	Insect pests management in garlic	1	2	30								
FW	Off	IPM	Integrated pest and disease management in Rabi field crops	1	2	25								
FW	Off	IPM	Disease and insect pest management in chickpea	1	2	25								
FW	Off	LPM	Goatry farming for economical and nutritional security in rural areas	1	03	20								
FW	Off	LPM	Significance of proper and timely vaccination, deworming and first aid treatment of diseases / disorder in farm animals	1	03	20								
FW	Off	LPM	Role of A.I. in breed improvement and heat detection in cross bed animals	1	03	20								
FW	Off	LPM	All the year round green fodder production	1	03	20								
FW	Off	SFM	Fertilizer application in different kharif crops	1	02	21								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FW	Off	SFM	Nutrient application in soybean.	1	02	21								
FW	Off	SFM	Mulching and fertilizer application in Garlic.	1	02	21								
FW	Off	SFM	Fertilizer application in different rabi crops	1	02	21								
FW	Off	SFM	Proper methods of collection of animal dung and animal urine and its utilization for better effect on crops.	1	02	21								
FW	Off	SFM	Benefit of drip and sprinkler irrigation in rainfed areas.	1	02	21								
FW	Off	WOE	Minimization of nutrient losses in food processing	1	02	17								
FW	Off	WOE	Importance of soybean and its nutritional factors and health benefits	1	02	15								
FW	Off	WOE	Use of time and energy saving equipments in agriculture work	1	02	17								
FW	Off	WOE	Cultivation of coloured vegetables and fruits for supplementing additional vitamin and minerals in daily diet.	1	02	15								
FW	Off	WOE	Clean milking for quality milk production	1	02	17								
FW	Off	WOE	Personal hygiene and health for farm women	1	02	17								
FW	Off	WOE	Low cost technologies for	1	02	15								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			minimizing storage losses											
RY	On	CP	Seed Quality Assurance	1	5	20								
RY	On	IPM	Apiculture is best enterprises for increase farmers income	1	4	30								
RY	On	LPM	Goat rearing and backyard poultry farming for income generation	1	7	15								
RY	On	SFM	Mashroom Production and different uses of Mashroom	1	5	21								
RY	On	WOE	Different methods of food preservation and value addition of different value added food	1	05	15								
EF	On	CP	Technology for increasing pulse production	1	2	25								
EF	On	IPM	Effect of changing climate on crop insect pests and disease	1	2	30								
EF	On	LPM	Preparation o UMMB for feeding during summer season when green is not available to sustain milk production.	1	02	20								
EF	On	SFM	Methods and importance of soil health card	1	02	21								
EF	On	WOE	Importance of fruits and vegetables in our daily diet.	1	03	17								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Advisory Services	39										
Agri mobile clinic	-										
Animal Health Camp	04										
Awareness programme	01										
Celebration of important days	06										
Diagnostic visits	55										
Exhibition	01										
Exposure visits	01										
Extension Literature	25										
Ex-trainees Sammelan	04										
Farm advisory Services	-										
Farm Science Club conveners meet	-										
Farmers Seminar/Workshop	01										
Farmers visit to KVK	850										
Field Day	10										
Film Show	20										
Group meetings	04										
Interface	01										
Kharif Sammelan											
Kisan Ghosthi	01										
Kisan Mela	01										
Krishi Gyan Doot meet											
Krishi Mahotsav											
Lectures delivered as resource persons	80										
Mahila Mandals conveners	-										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
meetings											
Method Demonstrations	-										
Newspaper coverage	19										
Popular articles	12										
Pradhanmantri phasal bema yojana	-										
Radio talks	12										
Scientific visit to farmers field	60										
Self Help Group conveners meetings	02										
Soil health Camp	12										
Soil test campaigns	08										
Summer deep ploughing	-										
Technology Week	02										
TV talks	18										
Workshop	01										
Others Swachha Bharat Abhiyan	01										

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Cereals	Wheat	HI – 8737	SD	10	SD	30000	
Cereals	Wheat	HI – 1605	SD	10	SD	30000	

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Cereals	Wheat	Raj – 4238	SD	10	SD	30000	
Pulses	Urd	PU – 31	SD	5	SD	20000	
Pulses	Gram	JAKI – 9218	SD	15	SD	75000	
Pulses	Gram	JG – 130	SD	10	SD	50000	
Oilseed	Mustard	NRC DR – 2	SD	5	SD	20000	
Oilseed	Soybean	RVS 2001-4	SD	10	SD	50000	
Oilseed	Soybean	JS – 2029	SD	5	SD	25000	

7.2 Planting Material production

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Spice	Onion	15 June 2018	-	0.45	AFLR, Bhima Super, Bhima Subhra	Seedling	1500	500	1000	
Vegetable	Tomato	15 June 2018	-	0.40	Hybrid	Seedling	3000	1000	2000	
Spice	Chilli	15 June 2018	-	0.20	Hybrid	Seedling	2000	500	1000	
Fruit	Mango grafted	18 July 2018	-	1.25	Langda, Dussheri Amrapali, Kesar	PM	500	8000	24000	
Fruit	Orange	15 July 2018	-	0.5	Nagpur Mandrine	PM	200	4000	8000	
Fruit	MANGO Desi	20 July 2018	-	7.5	Desi	Sapling	1500	20000	40000	
Fruit	Lemon	10 May 2018	-	3.75	Kagzi lemon	Sapling	1000	7500	15000	

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Fruit	Guava	18 June 2018	-	1.25	Allhabadi Safeda	Sapling	500	3750	7500	
Fruit	karonda	10 August 2018	-	1.5	Desi	Sapling	1000	3750	7500	
Fruit	Jackfruit	18 July 2018	-	1.75	Desi	Sapling	1000	4875	9750	
Forestry	Ashok	25 July 2018	-	1.5	Desi	Sapling	750	5625	11250	
Forestry	Tikoma	20 March 2018	-	1.25	Desi	Sapling	500	1500	2500	
Forestry	Sevan	30 April 20178	-	5.0	Desi	PM	500	2500	5000	
Forestry	Kachnar	30 April 2018	-	2.0	Desi	Sapling	500	2500	5000	
Forestry	Amaltas	30 April 2018	-	2.0	Desi	Sapling	500	2500	5000	
Forestry	Cassia sama	15 April 2018	-	1.0	Desi	Sapling	500	2500	5000	
Forestry	Sesum	15 April 2018	-	1.5	Desi	Sapling	1000	1875	3750	
Forestry	Neem	July 2018	-	1.0	Desi	Sapling	500	1250	2500	
Forestry	Eucalyptus	1 January 2018	-	1.5	Desi	Sapling	2000	1000	2000	
Ornamental	Duranta golden	10 February 2018	-	2.0	Desi	Sapling	2000	10000	20000	
Ornamental	Duranta brown	10 February 2018	-	0.75	Desi	Sapling	1000	2500	5000	
Ornamental	Rose cutting	20 July 2018	-	0.1	Desi	Sapling	250	1000	2500	
Ornamental	Rose root stock	18 July 2018	-	0.1	Desi	Sapling	250	1000	2500	

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Ornamental	Others - Meetha neem, Bouganvillea, Mogra, Paras peepple, Ornamental cutting	July 2018	-	0.5	Desi	Sapling	500	2500	5000	

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Name of the Product	Qty	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
Bioagents				
Vermicompost	100 qtl.	25000	50000	-
Vermiwash	150 lit.	300	1500	
Verms	20 kg	-	10000	

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	-	Milk	3500 lit.	60000	96000	-
Buffalo	-	-	-	-	-	-
Goat	-	Goat	10	45000	70000	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : -

8.1 Details of soil & water samples analyzed so far :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	500	500	52	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

No. of messages to be sent	No. of beneficiaries		Major recommendations
	Farmers	Ext. Pers.	
45	42400	210	-

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Ratlam	May 2018	-	-
Ratlam	October 2018	-	-

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Ratlam	April – June 2018	1000	-	-
Ratlam	July – Sept. 2018	1000	-	-
Ratlam	Oct. – Dec. 2018	1000	-	-
Ratlam	Jan. – March 2019	1000	-	-

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Ratlam	02	-	-

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper	07	-	-	-	-
Technical bulletins	06	-	-	-	-

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Technical reports	08	-	-	-	-
Popular article	19	-	-	-	-
News paper coverage	20	-	-	-	-
Year Planner	01	-	-	-	-

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA	-	-	-	-	-
Others BAIF BYPAS Dhan Foundation	-	-	-	-	-

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds) : 40

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Ratlam	-	-	-	-	-	-	-

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Ratlam	-	-	-	-	-

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr. No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
-	-	-	-

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Ratlam	Crop Cafeteria	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	Varietal Demonstration of cereals / pulse / oilseeds	40 for Kharif, 40 for Rabi
2.	Demonstration of Fodder crop	15 for Kharif, 10 for Rabi

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	-	-	-	-

18. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	June 2018	20
2.	October 2018	20

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Ratlam	06	06	32	120

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications, Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
1	-	-	-	-

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Mandsaur	SAC Meeting, Seed exchange, Technical guidance, Training, Kisan Mela, Field Day, Technological Week, Resource Person	-
2	Neemuch	SAC Meeting, Seed exchange, Technical guidance, Training, Kisan Mela, Field	-

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
		Day, Technological Week, Resource Person	

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Ratlam	-	-	-

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Ratlam	2011	-	Mass

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Ratlam	-	-

25. E-CONNECTIVITY (ERNET Lab)

Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			
-	-	-	-	-	-	

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS - 02

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practical's			
Distribution of Literature (No.)			

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Distribution of Seed (q)			
Distribution of Planting materials (No.)			
Bio Product distribution (Kg)			
Bio Fertilizers (q)			
Distribution of fingerlings			
Distribution of Livestock specimen (No.)			
Total number of farmers visited the technology week			
Animal health camp			
Awareness programme			
Cashless Transaction Week			
Celebration of important days (Parthenium eradication week, Swachhata Abhiyan and Soil Health Day, International Women Day, National Integrity Day, World environment day, World forestry day, World Water Day)			
Demonstration			
Exposure visit			
Extension activity			
Ex-trainees Meet			
Farmer scientist interaction			
Farmers Training			
Field Day			
Field visit			
Gajarghans Unmulan Pakhwada			
Group Meeting			
Hindi diwas pakhwada			
Jai Kisan Jai Vigyan Sangoshthi			
Narmada sewa Yatra			
News Paper/Mass Media			
Plant health camp			

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Plant Protection Week			
Scientists visits in farmers field			
Seed treatment campaign			
Self Help Group convener meet			
Soil health Camp			
Swachha Bharat Abhiyan			
Technology Week			
Van Mahotsava			
Others (Pl. Specify)			

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Ratlam	-	-	-

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Ratlam	Oilseeds	-	-

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Ratlam	Dairy Management	-	-
2	Ratlam	Disease management	-	-
3	Ratlam	Feed and fodder technology	-	-
4	Ratlam	Poultry management	-	-

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Ratlam	-	-	-

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Ratlam	-	-	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Ratlam	-	-	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Ratlam	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Ratlam	-	-	-	-

Vermes Produced

Name of KVK	Vermes Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Ratlam	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Ratlam	-	-	-

Awareness Campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
-	-	-	-	-	-	-	-	-	-	-	-

28. Proposal of NICRA

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
In-situ Moisture conservation through BBF	Soybean	0.40	-	-	-
Short duration and YMV tolerant variety of Black Gram	Urd	2.40	-	-	-
Varital Gram	Gram	3.20	-	-	-
Drought resistant variety of Mustard	Mustard	4.0	-	-	-
High yielding variety of Ajwain (Rabi)	Ajwain	0.80	-	-	-

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
IPM Technology	Soybean	1.6	-	-	-
Heat Tolerant and Restricted Irrigation Required Varital of Wheat	Wheat	4.80	-	-	-
Round the year green fodder production	Fodder crop	1.70	-	-	-

28.2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Field Day	15	0	3	18
Kisan Sangosthi	18	5	3	26
Method Demonstration	14	3	2	19
Awarness programme(Soil health Camp)	25	5	2	32
Exposer visit	22	0	4	26
Diagnostic visit	15	4	4	23
Group discusion	21	6	3	30
Animal health camp	25	0	2	27

28.3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Trainings				
Vermicompost and Vermiwash preparation	22	2	2	26
Deep Ploughing benefits of residue incorporation	21	1	2	24
In-situ moisture conservation method through B.B.F., Ridge and Furrow, Raise bed techniques in crop production.	23	2	2	27
Integrated Nutriment Management in kharif crops	22	1	2	25
Importance of foliar spray of macro and micro nutrients	20	-	2	22
All the year round green fodder production its conservation	21	2	2	22
Importance and role of micro irrigation system in climate resilience.	22	1	2	25
Importance of Vaccination and de-worming	20	3	2	25
Organic pesticide preparation methods with different pest.	23	2	2	27
Ajola production and feeding management	22	2	2	26
Integrated Nutriment Management in rabi crops	24	-	2	26

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Preparation and use of Urea Molasses Mineral Block (UMMB) in lean period when green is not available.	21	2	2	25
Importance and application of IPM.	22	-	2	24
Land leveling – its importance and benefits.	23	2	2	27

28.4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
-	-	-

28.5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status
-	-	-

28.6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit
-	-	-

29. Proposed works under NAIP (in NAIP monitoring format) – Not Applicable

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Ratlam	2348735072			

31. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
-	-	-	-	-

32. Case study / Success Story to be developed –

Two best only in the following format: Name of the KVK, TITLE, Introduction, KVK intervention, Output, Outcome, Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Ratlam	01	01

7. KVK, Satna

PERIOD – April 2018 to March, 2019
Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
OFTs	20	440			
FLDs – Oilseeds (activity in ha)	15	39			
FLDs – Pulses (activity in ha)	20	52			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	37	142			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	9	140			
Training-Farmers and farm women	80	1750			
Training-Rural youths	13	185			
Training- Extension functionaries	12	260			
Extension Activities	229	16720			
Seed Production (Number of activity as seeds in quintal)	162.44	500			
Planting material ((Number of activity as quantity of planting material in quintal)	3	20			
Seedling Production (Number of activity as number of seedlings in numbers)	327250	1000			
Sapling Production (Number of activity as number of sapling in numbers)	36400	400			
Other Bio- products (No. of quantity)	06	100			
Live stock products(kids)	10	03			
Activities of Soil and Water Testing Laboratory	2000	1000			
Rainwater Harvesting System	05	150			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Kisan Mobile Advisory (KVK-KMA)	48	36000			
SAC Meeting (Date & no. of core/ official members)	02.06.2018				
Literature to be Developed/Published	37	10000			
Convergence programmes / Sponsored programmes	20	500			
Utilization of Farmers Hostel	35	800			
Utilization of Staff Quarters	12				
Details of KVK Agro-technological Park	04	6000			
Crop Cafeteria-	04	6000			
Farm Innovators- list of 10 farm innovators from the District	-				
Status of Revolving Funds	-				
Awards and Recognitions	01				
Case study / Success Story to be developed	02				
KVK Progressive Farmers interaction	01	100			
Outreach of KVK in the District (No. of blocks, no. of villages)	06(56)				
Technology Demonstration under Tribal Sub Plan	-				
KVK Ring	-				
Important visitors to KVK	-				
Status of KVK Website	-				
Status of RTI	-				
E-connectivity	-				
Details of Technology Week Celebrations	12	500			
Interventions on Drought Mitigation	10	500			
Proposal of NAIP	-	-			
Proposal of NICRA	04	120			
Well labeled photographs	-	-			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
Other Activities	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date) 01.04.2017

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Senior Scientist & Head	Dr. R.S.Negi	Horticulture	Ph.D	Fruit Culture and Orchard Management	37000-67000+GP 9000	50720	01.10.2011	Permanent	General
Subject Matter Specialist1	Dr. V. P. Singh	Extension	Ph.D	Watershed Management	15600-39100+GP 5400	36270	01.03.1993	Permanent	General
Subject Matter Specialist2	Dr. R.P.Sharma	Animal Science	Ph.D	Animal Science	15600-39100+GP 5400	30430	13.05.1991	Permanent	General
Subject Matter Specialist4	Miss Varsha Singh	Home Science	M.Sc	Home Science	15600-39100+GP 5400	21000	14.10.2016	Contractual	General
Subject Matter Specialist3	Sh. Ramesh Amule	Plant Protection	M.Sc.	Plant Pathology	15600-39100+GP 5400	21630		Contractual	General
Subject Matter Specialist5	-	-	-	-	-	-	-	-	-
Subject Matter Specialist6	-	-	-	-	-	-	-	-	-
Programme Assistant/Lab technician	Sh. Ashok Sharma	Soil Science	M.Sc	Soil Science		13910	08.10.2016	Contractual	General
Farm Manager	-	-	-	-	-	-	-	-	-
Computer Programmer	-	-	-	-	-	-	-	-	-

Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Accountant / superintendent	Sh.R.P. Pandey		M.COM		9300- 39100+ GP 4200	14760	01.06.2014	Permanent	General
Stenographer	Sh.A.K.Singh		MA, PGDCA		5200-20200+GP 2400	16480	01.12.1993	Permanent	OBC
Driver	Sh.C.L.Soni		12 th		5200-20200 +GP 2000	12640	01.03.1996	Permanent	OBC
Driver	-	-	-	-	-	-	-	-	-
Supporting staff	Sh.V.Singh		B.A, MSC		4440-7440+GP 1300	11180	01.05.1994	Permanent	General
Supporting staff	Sh.K.Pathak	Animal Science	B.A		4440-7440+GP 1300	10850	01.04.1995	Permanent	General
Supporting staff	Sh. R. L. Baheliya	Cook	5 th		4440-7440+GP 1300	10850	01.04.1996	Permanent	ST
Supporting staff	Sh.B.G.Joshi	Horticulture	B.A		4440-7440+GP 1300	11010	25.08.1996	Permanent	General
Supporting staff	Sh.Bansh Gopal	Watchman	Literate		4440-7440+GP 1300	10540	01.12.1993	Permanent	OBC
Supporting staff	Smt. Rita Singh	Jr. Clerk	MA, B.Ed		5200-20200 +GP 2000	12640	07.09.1996	Permanent	General

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)-

1.	Name of the District	Satna
2.	Agro ecological Sub Region (ICAR)	Zone VII, Semi arid Lava Plateau and Central Highlands
3.	Agro-climatic zone(Planning)	Central Plateau and Hill region
4.	Agro-climatic zone(Planning M.P.)	Kaymore Plateau and Satpura Hills
5.	Geographical Location	
	Latitude	23 ⁰ 58' to 25 ⁰ 12' N
	Longitude	80 ⁰ 20' to 81 ⁰ 23' E

	Altitude from MSL	317 m
6.	Geographical Boundry	
	North	Banda & Chitrakoot District
	South	Katni
	East	Rewa District of MP
	West	Panna
7.	Total Geographical Area	7, 42,432 ha.
	Soil Type	Mixed red and Black soils
	Climate	Sub humid climate
	Average Annual Rainfall	1100.30 mm
	Temperature	Maximum temp. - 48.3 ⁰ C, Minimum temp. - 1.4 ⁰ C.
	Relative Humidity	Maximum Average-99.42 (January), Minimum Average - 9.22 (May)
8.	Important Rivers	Mandakini, Tamas, Satna,
9.	Administrative	
	No. of Tehsil	09
	No. of Blocks	08
	No. of Panchayats	703
	No. of Villages	1816
10.	Average Literacy Percentage	72.26
	Male Literacy	81.37
	Female Literacy	62.45
11.	GDP of Satna District	4253 Crores
12.	Per Capita Income(INR)	24,709

Demographical Composition -2011 Census

S.No	Particulars	
1.	Total Population	2228935

	Male	1,157,495
	Female	1,071,440
	Rural population	1754517 (78.72%)
	A. Male	907904
	B. Female	846613
	Urban Population	474418 (21.28%)
	Literacy rate in Rural areas	69.40%
	Schedule Tribe	2.68 lakhs (14.33 %)
	Schedule Caste	3.04 lakhs (16.26%)

Blocks Details

Sr.No.	Name of the Block	Area in sq km	No. Of Panchayats	No. Of villages
01	Majhgawan	1584	96	295
02	Sohawal	772	93	235
03	Rampur Baghelan	874	97	215
04	Nagod	919	93	244
05	Uchehra	897	70	211
06	Amarpatan	652	74	169
07	Ram Nagar	601	59	207
08	Maihar	1125	121	240
	Total	7424	703	1816

Soils of the District- Mixed red and Black soils

Sl.No.	Soil type	Characteristics	(%)
1.	Coarse Red Soils	Poor water holding capacity, Soil pH ranges from 7.0-7.5 Organic carbon 0.20-45%, Available nutrients status shows low nitrogen, very low to low phosphorus and medium potassium. Boron and zinc micronutrients deficient soils.	21.34
2.	Mixed Red and Black soils	Medium water holding capacity and optimum drainage Soil pH ranges from 7.2 to 7.8 organic carbon 0.40 – 0.60 %, available nutrients	42.43

Sl.No.	Soil type	Characteristics	(%)
		status shows low to medium nitrogen, low to medium phosphorus and medium to high potassium, boron and zinc micronutrients deficient soils	
3.	Black soils	High water holding capacity, poor drainage capacity, Soil pH ranges from 7.1 to 8.2, organic carbon 0.45-0.65%, available nutrients status shows low to medium nitrogen, low phosphorus and very high potassium and also high in calcium and magnesium, boron and zinc micronutrients deficient soils	36.23

Sources of Irrigation

S.No.	Source of Irrigation	Number	Area (,000 ha)	% of total area
01	Canals	59	5.872	
02	Tanks/Ponds	85	3.666	
03	Open wells	16765	38.075	
04	Bore wells	17288	72.111	
05	Others (Reservoirs)	951	19.104	
	Total		138.828	29 .0

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2018 to 31.3.2019 (Approved by competent Authority in meetings/workshops)

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Sonvarsha	2018	Majhgawan	25	814	144
Seloura	2018	Majhgawan	32	1139	112
Kelouhra	2018	Majhgawan	12	-	90

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA (General)
Satna	Water Conservation and Management
Satna	Seed replacement- use of high yielding varieties tolerant to biotic and abiotic factors
Satna	Promotion of Integrated farming system
Satna	Crop Diversification
Satna	Frost and Drought management
Satna	Promotion of Horticultural crops

KVK Name	THRUST AREA (General)
Satna	Pest management in crops
Satna	Livestock up gradation and Management
Satna	Employment generation for rural youths through agri. enterprises
Satna	Strengthening of marketing network
Satna	Crop production
Satna	Seed replacement- use of high yielding tolerant to biotic and abiotic factors
Satna	Seed treatment
Satna	Sowing technique
Satna	SRI technique in paddy
Satna	Alternate cropping system
Satna	Promotion of Integrated farming system
Satna	Seed production through group approach
Satna	Water Management in wheat
Satna	Frost and Drought management
Satna	Rain water harvesting for recycling and ground water recharge
Satna	In-situ moisture conservation through better agronomic practices
Satna	Weed Management in Kharif crops (Rice, Blackgram, Redgram and Soybean)
Satna	Nutrient management in Kharif crops (Rice, soybean , sesame, mustard, blackgram, and redgram)
Satna	Nutrient management in Rabi crops (Wheat, mustard, lentil and gram
Satna	Drudgery reduction - Use of improved agriculture implements and tools
Satna	Wilt and Pod borer management in gram and redgram
Satna	Safe seed and grain storage
Satna	Diversification of crops
	Horticulture
Satna	Promotion of Horticultural crops
Satna	Improved varieties of vegetables and spices
Satna	Nursery Management in vegetables and fruit plants
Satna	Layout and planting technique in horticultural crops
Satna	Nutrients Management in onion
Satna	Wasteland Development through fruit culture
Satna	Disease and insect pest management in onion
Satna	Disease and insect pest management in cucurbits

KVK Name	THRUST AREA (General)
Satna	Disease and insect pest management in tomato & chillies
Satna	Management of early shoot and fruit borer in tomato and brinjal
Satna	Protective cultivation
Satna	Water saving methods- use of sprinkler and drip irrigation
Satna	Livestock
Satna	Livestock up gradation
Satna	Improvement of fat and milk production in cows
Satna	Introduction of new breeds in goat and poultry
Satna	Management of disease in cows and buffaloes
Satna	Control measures for ecto and endo parasites in cattle
Satna	Extension
Satna	Strengthening of marketing network
Satna	Timely inputs, services and advisory to the farming community
Satna	Promotion of group organization
Satna	Linkage development
Satna	Employment generation for rural youths

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified		Methods of problem identification	Location Name of Village & Block
Rice	<ul style="list-style-type: none"> - use of long duration varieties, - little or imbalance use of fertilizers, - heavy weed infestation, - high incidence of gundhi bug , leaf folder, hopper, blast - moisture stress during crop growth period 	PRA technique, Rapid Rural Appraisal (RRA) technique, Personal contact, conducted meeting of the villagers,	Sonvarsha and Seloura
Soybean	<ul style="list-style-type: none"> - non availability of drought tolerant/ resistant varieties - Improper sowing method and sowing time. - occurrence of moisture stress during critical growth stage - high incidence of mosaic disease and green semi looper 		

Problem identified	Methods of problem identification	Location Name of Village & Block
<p>Sesame</p> <ul style="list-style-type: none"> - little or imbalance use of fertilizers - heavy infestation of weeds, - unawareness about the improved varieties - improper sowing time - little or imbalance use of fertilizers - high incidence of phyllody and phytophthora blight 	<p>semi-structured interview schedule the problems, issues and needs were also assessed through POINT techniques. The gaps in adoption of technologies have been analyzed through farming situation based extension (FSBE) tools</p>	
<p>Red gram</p> <ul style="list-style-type: none"> - unawareness about the short duration HYV's - use of long duration varieties susceptible to frost - improper sowing time - little or imbalance use of fertilizers - occurrence of moisture stress during critical growth stage - high incidence of wilt disease, pod borer and pod fly - heavy infestation of weeds 		
<p>Blackgram/ Greengram</p> <ul style="list-style-type: none"> - unawareness about the short duration HYV's - use of varieties susceptible to MYMV - improper sowing time - little or imbalance use of fertilizers - high incidence of blister beetle and Tobacco caterpillar - heavy infestation of weeds 		
<p>Wheat</p> <ul style="list-style-type: none"> - use of high water requiring variety (WH-147) - improper sowing technique - little or imbalance use of fertilizers - heavy weed infestation 		

Problem identified	Methods of problem identification	Location Name of Village & Block
<p>Gram</p> <ul style="list-style-type: none"> - termite problem in light soils - moisture stress during crop growth period - attack of stem borer <p>Lentil</p> <ul style="list-style-type: none"> - Low yield and income - unawareness about the wilt tolerant varieties - Delayed sowing - unavailability and non use culture - little or imbalance use of fertilizers - occurrence of moisture stress during critical growth stage - high incidence of root rot, wilt disease and pod borer - unawareness about the wilt tolerant varieties - Untimely sowing resulting frost injury - unavailability and non use culture - little or imbalance use of fertilizers - occurrence of moisture stress during critical growth stage - high incidence of wilt disease and aphid <p>Mustard</p> <ul style="list-style-type: none"> - Unavailability of quality seed - imbalance use of fertilizers - high incidence of aphid <p>Onion</p> <ul style="list-style-type: none"> - Unavailability of quality seed - imbalance use of fertilizers - Incidence of Stemphylium blight, purple blotch and thrips <p>Tomato</p> <ul style="list-style-type: none"> - Unavailability of quality seed - TLCV disease - Early blight and fruit borer <p>Chillies</p> <ul style="list-style-type: none"> - Unavailability of quality seed 		

Problem identified	Methods of problem identification	Location Name of Village & Block
<p style="text-align: center;">- Leaf curl and leaf spot disease</p> <p>Poor Horticultural Development – lack of commercial fruit orchard</p> <ul style="list-style-type: none"> - Lack of quality planting material <p>Live Stock</p> <ul style="list-style-type: none"> - <p>Cow - Low fat and low milk yield, frequent outbreak of diseases, ecto and endo parasites, non-availability of green fodder in rain fed area.</p> <p>Goat/sheep Worm infestation, frequent outbreak of diseases, less twinning and weight gain</p> <p>Poultry Low weight gain, less egg production, disease outbreaks in backyard poultry, high FCR and mortality</p> <p>General Problems</p> <ul style="list-style-type: none"> - Traditional agronomic practices, - Lack of irrigation facilities, - Soil erosion, - Undulated topography - Non adoption of scientific method of cultivation, - Lack of knowledge about the improved crop production techniques <p>-</p>		

2. On Farm Testing

2.1 Information about OFT to be conducted

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
Zaid,2018	Poor survival and growth rate of <i>Eisenia foetida</i> during summer due to their less tolerance to heat	Assessment	Farm Waste Management	Wheat	Livestock based farming system	10		Assessment of Jai Gopal (<i>Perionyx ceylanesis</i>) species of Worms against <i>Eisania foetida</i> for decomposition of farm waste.				
Kharif, 2018	Burning of wheat stubbles after harvest	Assessment	Resource conservation Technology	Wheat	Rain fed	10		Assessment of bio decomposer for decomposition of wheat crop residues				
Kharif, 2018	Poor yield and low returns from pigeon pea due to adverse climatic conditions	Assessment	Resource Management-Intercropping	Pigeon pea	Rain fed	10		Assessment of pigeon pea based intercropping system (Pigeonpea + Balckgram and Pigeonpea + Soybean)under rain fed				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
								farming situation in pigeonpea- chickpea (JG 14) cropping sequence				
Kharif, 2018	Poor growth , pod setting and yield of soybean in sulphur deficit soils	Assessment	Nutrient Management	Soybean	Rain fed	10		Assessment of soil test based application of sulphur and boron nutrition on plant growth, pod setting and yield of soybean under Soybean - wheat cropping system				
Kharif 2018	Poor yield of healthy fruits due to shoot and fruit borer and low returns due to market price fluctuations.	Assessment	Crop Diversification and intensification	Brinjal	Semi- irrigated condition	10		Assessment of vegetable inter cropping(Brinjal +Coriander) for ensuring higher returns and minimizing loss due to shoot and fruit borer				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
								under brinjal – onion cropping sequence.				
Kharif 2018	Crop loss 15-20 % due to Blast disease in rice field	Assessment	IPM	Rice	Irrigated	10		Assessment of efficacy of Carboxin 37.5% + Thirum 37.5%)for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice.				
Kharif 2018	Yield loss up to 60 % due to severe infestation of pod fly and pod borer	Assessment	IPM	Pigeon pea	Rain fed	10		Assessment of efficacy of myco pesticide <i>Beauveria bassiana</i> with botanical insecticide neem against pod fly and pod borer on Pigeonpea				
Kharif 2018	Yield loss up to 40 % due to severe	Assessment	IPM	Okra	Irrigated	10		Assessment of efficacy of				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	infestation of sucking pests							broad spectrum insecticide for the management of Sucking pests in Okra				
Kharif 2018	Loss of yield and quality of fruits up to 40% due to severe incidence of Gummy stem blight disease	Assessment	IPM	Bottle gourd	Irrigated	10		Assessment of Carboxin 37.5% + Thiram 37.5% for Seed treatment and foliar spray of Azoxistrobin for the control of Gummy stem Blight disease in Bottle guard .				
Kharif, 2018	Malnutrition in children	Assessment	Nutritional Security	-	-	10		Assessment of sprouted cowpea feeding on height and weight gain of malnourished children				
Kharif 2018	Poor sharing of information amidst farming	Assessment	ICT	Mobile app		50		Assessment of effectiveness of ICT tools–				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	communities							Mobile messaging, social media (Whatsapp) in dissemination of improved package of practices in soybean.				
Kharif,2018	Low yield and returns from tomato due to use of unsuitable / inappropriate varieties	Assessment	Integrated Crop Management	Tomato	Irrigated	10		Assessment of high yielding tomato hybrids Kashi Abhiman and Arka Rakshak on raised bed, plastic mulching and stacking under Cowpea- tomato-onion cropping system for marginal farmers				
Rabi, 2018- 19	Poor growth and low yield of mustard crop due to deficiency of	Assessment	Nutrient Management	Mustard	Irrigated	10		Assessment of foliar application of micronutrients(Zn, Mn Fe Cu				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	micronutrients							and B) @0.2 % at 6-8 and 10- 12 leaf stage) in mustard on yield and economic returns				
Rabi, 2018- 19	Low yield of Lok- 1/WH-147 under limited irrigation condition	Assessment	Varietal Evaluation	Wheat	Semi- irrigated	10		Assessment of improved wheat varieties (JW 3269 & JW 3288) under semi-irrigated condition under rice-wheat cropping sequence				
Rabi,2018- 19	Low yield and economic returns of rice/blackgram- mustard cropping system	Assessment	Irrigation and topping Management	Mustard	irrigated	10		Assessment of time of irrigation and nipping management (pre bud stage) in mustard for higher yield and economic returns under rice/blackgram-				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
								mustard cropping system				
Rabi,2018- 19	Poor growth , yield and quality of onion bulbs in sulphur deficit soils	Assessment	Nutrient Management	Onion	irrigated	10		Assessment of soil test based application of sulphur on yield and quality of Onion under Rice- Onion Cropping Sequence.				
Rabi,2018- 19	Poor growth , fruit set, yield and quality of tomato crop due to deficiency of Zn and Boron	Assessment	Nutrient Management	Tomato	irrigated	10		Assessment of foliar application of water soluble fertilizers NPK(19:19:19), and micronutrients Zn and Boron on yield and quality of tomato.				
June, 2018	Poor health due to ticks, mites, lice and flies.	Assessment	LPM	Dairying	No use of any anthelmintic durg	20	20	Assessment of the impact of anthelmintic drug- NAASH (Flumethrin, Piperonyl				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
								Butoxide), on Body weight gain in heifers at 8 month of age.				
Sept 2018	Less egg laying, high mortality and low body weight of local poultry bird	Assessment	LPM		Non descript breed	10		Assessment of improved dual purpose poultry birds in back yard system .				
2018-19	Poor knowledge about SHC recommendations	Assessment	CBD	Wheat		200		Assessment of knowledge and adoption of soil health card based fertilizer application				

2.Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Jai Gopal (<i>Perionyx ceylanesis</i>) species of Worms against <i>Eisinia foetida</i> for decomposition of farm waste.		
Assessment of bio decomposer for decomposition of wheat crop residues		
Assessment of pigeon pea based intercropping system (Pigeonpea + Balckgram and Pigeonpea + Soybean)under rain fed farming situation in pigeonpea-chickpea (JG 14) cropping sequence		
Assessment of soil test based application of sulphur and boron nutrition on plant growth, pod setting and yield of soybean under Soybean - wheat cropping system		
Assessment of vegetable inter cropping(Brinjal +Coriander) for ensuring higher returns and		

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
minimizing loss due to shoot and fruit borer under brinjal – onion cropping sequence.		
Assessment of efficacy of Carboxin 37.5% + Thirum 37.5%)for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice.		
Assessment of efficacy of myco pesticide <i>Beauveria bassiana</i> with botanical insecticide neem against pod fly and pod borer on Pigeonpea		
Assessment of efficacy of broad spectrum insecticide for the management of Sucking pests in Okra		
Assessment of Carboxin 37.5% + Thiram 37.5% for Seed treatment and foliar spray of Azoxistrobin for the control of Gummy stem Blight disease in Bottle guard .		
Assessment of sprouted cowpea feeding on height and weight gain of malnourished children		
Assessment of effectiveness of ICT tools– Mobile messaging, social media (Whatsapp) in dissemination of improved package of practices in soybean.		
Assessment of high yielding tomato hybrids Kashi Abhiman and Arka Rakshak on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal farmers		
Assessment of foliar application of micronutrients(Zn, Mn Fe Cu and B) @0.2 % at 6-8 and 10-12 leaf stage) in mustard on yield and economic returns		
Assessment of improved wheat varieties (JW 3269 & JW 3288) under semi-irrigated condition under rice-wheat cropping sequence		
Assessment of time of irrigation and nipping management (pre bud stage) in mustard for higher yield and economic returns under rice/blackgram-mustard cropping system		
Assessment of soil test based application of sulphur on yield and quality of Onion under Rice- Onion Cropping Sequence.		
Assessment of foliar application of water soluble fertilizers NPK(19:19:19), and micronutrients Zn and Boron on yield and quality of tomato.		
Assessment of the impact of anthelmintic drug- NAASH (Flumethrin, Piperonyl Butoxide), on Body weight gain in heifers at 8 month of age.		
Assessment of improved dual purpose poultry birds in back yard system .		
Assessment of knowledge and adoption of soil health card based fertilizer application		

2.2 Economic Performance

OFT Title	Yield(Kg/ha)			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP(T ₁)	RP(T ₂)	T ₃	FP (T ₁)	RP T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃
Assessment of Jai Gopal (<i>Perionyx ceylanesis</i>) species of Worms against <i>Eisinia foetida</i> for decomposition of farm waste.															
Assessment of bio decomposer for decomposition of wheat crop residues															
Assessment of pigeon pea based intercropping system (Pigeonpea + Balckgram and Pigeonpea + Soybean)under rain fed farming situation in pigeonpea-chickpea (JG 14) cropping sequence															
Assessment of soil test based application of sulphur and boron nutrition on plant growth, pod setting and yield of soybean under Soybean - wheat cropping system															
Assessment of vegetable inter cropping(Brinjal +Coriander) for ensuring higher returns and minimizing loss due to shoot															

OFT Title	Yield(Kg/ha)			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP(T ₁)	RP(T ₂)	T ₃	FP (T ₁)	RP T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃
and fruit borer under brinjal – onion cropping sequence.															
Assessment of efficacy of Carboxin 37.5% + Thirum 37.5%)for Seed treatment and foliar spray of Pyraclostrobin 10CS for the control of Blast Disease in Rice.															
Assessment of efficacy of myco pesticide <i>Beauveria bassiana</i> with botanical insecticide neem against pod fly and pod borer on Pigeonpea															
Assessment of efficacy of broad spectrum insecticide for the management of Sucking pests in Okra															
Assessment of Carboxin 37.5% + Thiram 37.5% for Seed treatment and foliar spray of Azoxistrobin for the control of Gummy stem Blight disease in Bottle guard .															
Assessment of sprouted cowpea feeding on height and weight gain of malnourished children															

OFT Title	Yield(Kg/ha)			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP(T ₁)	RP(T ₂)	T ₃	FP (T ₁)	RP T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃
Assessment of effectiveness of ICT tools– Mobile messaging, social media (Whatsapp) in dissemination of improved package of practices in soybean.															
Assessment of high yielding tomato hybrids Kashi Abhiman and Arka Rakshak on raised bed, plastic mulching and stacking under Cowpea-tomato-onion cropping system for marginal farmers															
Assessment of foliar application of micronutrients(Zn, Mn Fe Cu and B) @0.2 % at 6-8 and 10-12 leaf stage) in mustard on yield and economic returns															
Assessment of improved wheat varieties (JW 3269 & JW 3288) under semi-irrigated condition under rice-wheat cropping sequence															
Assessment of time of irrigation and nipping management (pre bud stage)															

OFT Title	Yield(Kg/ha)			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃	FP(T ₁)	RP(T ₂)	T ₃	FP (T ₁)	RP T ₂)	T ₃	FP (T ₁)	RP (T ₂)	T ₃
in mustard for higher yield and economic returns under rice/blackgram-mustard cropping system															
Assessment of soil test based application of sulphur on yield and quality of Onion under Rice- Onion Cropping Sequence.															
Assessment of foliar application of water soluble fertilizers NPK(19:19:19), and micronutrients Zn and Boron on yield and quality of tomato.															
Assessment of the impact of anthelmintic drug- NAASH (Flumethrin, Piperonyl Butoxide), on Body weight gain in heifers at 8 month of age.															
Assessment of improved dual purpose poultry birds in backyard system .															
Assessment of knowledge and adoption of soil health card based fertilizer application															

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (up to 2017-18)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Bitter gourd	Hybrid- Amanshree	Hybrid having early fruiting suitable for ealy Kharif sowing good fruit size and market acceptability	Creating awareness about the performance of variety through organizing farmers gosthies, training, Krishak sammelan	90	508	294.5
Zinger	Improved variety	High yielding variety Seed treatment, moisture conservation, Sowing technique, weed management	Creating awareness about the performance of variety through organizing farmers gosthies, training, Krishak sammelan	29	138	54.6
Paddy	Varietal Substitution	Short duration variety, nutrient management, weed management	Creating awareness about the performance of variety through organizing farmers gosthies, training, Krishak sammelan	1024	4675	1875
Red Gram	Integrated crop management	Short duration variety , nutrient management, pest management	Creating awareness about the performance of variety through organizing farmers gosthies, training, Krishak sammelan	385	2450	1870
Green gram	Integrated crop manageemt	Improved variety, nutrient management, MYMV disease management	Creating awareness about the performance of variety through organizing farmers gosthies, training, Krishak sammelan	236	1650	1474
Soybean	Integrated Crop management	Short duration variety, Seed treatment, Weed control, Nutrient Management	Creating awareness about the performance of variety through organizing farmers gosthies, training, Krishak sammelan	385	3435	2140
Sesame	Integrated crop	Improved variety, integrated	Creating awareness about the performance of variety through	185	298	418

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
	management	nutrient management	organizing farmers goshies, training, Krishak sammelan			
Onion	Integrated nutrient management	Improved variety suitable for rabi cultivation. Nursery raising technique nutrient Management	Creating awareness about the foliar application of nutrients through organizing demonstrations, farmers goshies, training, Exposure visits of farmers to KVK, Krishak sammelan	680	2450	1156
Mustard	Integrated crop management	Improved variety, integrated nutrient management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	468	4560	7125
Gram	Varietal substitution	Improved variety tolerant to heat-JG-14 and manipulation of sowing time	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	678	1475	1435

Details of FLDs to be implemented during 2018-19

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
Integrated Crop Management	Rice	Kharif (2018)	Demonstration on dry seeding technology in Rice	10	MTU 10-10									

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
IPM	Rice	Kharif 2018	Demonstration of the efficacy of Tebuconazole for the control of stem rot, sheath rot and blast disease in Rice	05	IR-64									
Resource conservation	Green gram	Kharif (2018)	Demonstration on improved production technology of Green gram	05	IPM 02-14									
Resource conservation	Pigeon pea	Kharif 2018	Demonstration on system of pigeon pea intensification (SPI).	05	TJT-501									
Integrated Crop Management	Blackgram	Kharif 2018	Demonstration on Production technology of Blackgram.	10	Azad-1									
Integrated Crop Management	Soybean	Kharif 2018	Demonstration of integrated crop management module in soybean.	05 ha	RVS 2001-4									

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
Crop diversification	Coriander	Kharif 2018	Demonstration on improved production technology of leafy coriander during rainy season for ensuring higher income to marginal farmers	2	Pant Haritima									
Crop diversification	Bitter guard	Kharif 2018	Demonstration on production technology of bitter gourd during rainy season for ensuring higher income to small landholders farmers.	2	Aman shree									
Crop Diversification	Kharif cauliflower	Kharif 2018	Demonstration on production technology of cauliflower during rainy season for ensuring higher income to small landholders farmers.	2	Amazing									
IPM	Brinjal	Kharif,2018	Demonstration on management of Fruit borer in Brinjal	02										

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
Livestock management	Dairy	August 18	Demonstration on Nutrition feed supplementation in lactating Buffalo.	10	Buffalo								
Livestock management	Sheep	Sept 18	Demonstration on Oral supplementation of micro nutrient & vitamins for proper physical development in sheep.	10	Sheep								
Livestock management	Dairy	Sept 18	Demonstration on use of locally available heat inducer (sterilized litters of pigeon) per for inducing heat in buffalo.	10	Buffalo								
Livestock management	Poultry	Oct 18	Demonstration on low cost – ventilated housing in backyard poultry.	10	Poultry								
ICM	Wheat	Rabi 2018-19	High yielding variety suitable for irrigated condition, weed & nutrient management	05	WH-1105								

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
ICM	Chickpea	Rabi (2018-19)	Wilt & heat tolerant high yielding variety, soil/seed treatment and nutrient management	05	JG-14								
Integrated Crop Management	Mustard	Rabi 2018-19	Demonstration of integrated crop management module in mustard.	10 ha	Pusa Mustard -28								
Chemical Weed Control	Onion	Rabi 2018-19	Demonstration of effective combination of herbicides for the control of narrow and broad leaf weeds in Rabi Onion.	4 ha	Agri found light red								
Income generation	Mushroom	Rabi, 2018-19	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers .		10								

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Enterprises	Results (q/ha)		% change	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
Income Generation	Bee Keeping	Rabi,2018-19	Demonstration of Bee keeping with mustard cultivators for enhancing production and productivity of mustard		10									
Nutritional Garden	Seasonal Crops	Kharif/Rabi 2018-19	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement	20	Nutritional Kitchen garden									
Kitchen garden	Kitchen waste	Rabi 2018-19	Eco friendly Management of Kitchen Waste and Home Gardening	10	Kitchen waste Management									
Preservation	Mushroom		Demonstration on instant pickle making of milky mushroom	10	Mushroom									

3.3 Economic Impact of FLD

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Rice	Demonstration on dry seeding technology in Rice	Yield (kg/ha)										
Rice	Demonstration of the efficacy of Tebuconazole for the control of stem rot, sheeth rot and blast disease in Rice	Yield (kg/ha)										
Green gram	Demonstration on improved production technology of Green gram	Yield (kg/ha)										
Pigeon pea	Demonstration on system of pigeon pea intensification (SPI).	Yield (kg/ha)										
Balck gram	Demonstration on Production technology of Blackgram.	Yield (kg/ha)										
Soybean	Demonstration of integrated crop management module in soybean.	Yield (kg/ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Coriander	Demonstration on improved production technology of leafy coriander during rainy season for ensuring higher income to marginal farmers	Yield (kg/ha)										
Bitter gourd	Demonstration on production technology of bitter gourd during rainy season for ensuring higher income to small landholders farmers.	Yield (kg/ha)										
Cauliflower	Demonstration on production technology of cauliflower during rainy season for ensuring higher income to small landholders farmers.	Yield (kg/ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Brinjal	Demonstration on management of Fruit borer in Brinjal	Yield (kg/ha)										
Buffalo	Demonstration on Nutrition feed supplementation in lactating Buffalo.	Increase in milk production (litre/day)										
Sheep	Demonstration on Oral supplementation of micro nutrient & vitamins for proper physical development in sheep.	Increase in body weight (kg)										
Buffalo	Demonstration on use of locally available heat inducer (sterilized litters of pigeon) per for inducing heat in buffalo.	Time taken to come in heat										
Poultry	Demonstration on low cost – ventilated housing in backyard poultry.	Mortality rate(%)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Wheat	High yielding variety suitable for irrigated condition, weed & nutrient management	Yield (kg/ha)										
Chickpea	Wilt & heat tolerant high yielding variety, soil/seed treatment and nutrient management	Yield (kg/ha)										
Mustard	Demonstration of integrated crop management module in mustard.	Yield (kg/ha)										
Onion	Demonstration of effective combination of herbicides for the control of narrow and broad leaf weeds in Rabi Onion.	Yield (kg/ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Mushroom	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers .	Yield (kg/bag)										
Mustard+ Bee Keeping	Demonstration of Bee keeping with mustard cultivators for enhancing production and productivity of mustard	Increase in yield (kg/ha)										
Nutritional Kitchen garden	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement	Yield (kg/200 m2)										
Nutritional Kitchen garden	Eco friendly Management of Kitchen Waste and Home Gardening	Yield (kg/200 m2)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Mushroom	Demonstration on instant pickle making of milky mushroom	Production (kg)										

3.5 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Rice	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Green Gram	Field days	01	50	
	Farmers Training	02	70	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Blackgram	Field days	01	50	
	Farmers Training	03	60	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Pigeonpea	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Soybean	Field days	01	50	
	Farmers Training	03	90	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Coriander	Field days	01	50	
	Farmers Training	03	60	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Bittergourd	Field days	01	50	
	Farmers Training	02	30	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Cauliflower	Field days	01	50	
	Farmers Training	02	30	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Wheat	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Chickpea	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Onion	Field days	01	50	
	Farmers Training	02	30	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Mushroom	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Training for extension functionaries	01	40	
Mustard	Field days	01	50	
	Farmers Training	02	30	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
	Farmers Training	01	50	
	Media coverage	02	30	
Buffalo	Field days	01	Mass	
	Farmers Training	01	40	
	Media coverage	01	50	
	Training for extension functionaries	03	90	
Goat	Field days	01	Mass	
	Farmers Training	01	40	
	Media coverage	01	50	
	Training for extension functionaries	03	90	

3.5 Details of FLD on crop hybrids.

Sr. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
01	Satna	Bittergourd	Amanshree	Firm	20	2

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Satna	-	-	-	-

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Satna	

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved
Farmers and Farm Women	Rapid Rural Appraisal (RRA) technique, conducted meeting of the villagers, Group meeting, Farmers interaction	27-29 March,2018	235
Rural Youth	Rural youth Sammelan	29 -06-2017	148
Extension Functionaries	Workshop, Interaction	-	105

Table 5.2 Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Horticulture														
FW	OFC	HOV	Planning for year round production of vegetables	01	01	20								
FW	OFC	HOV	Layout, planting technique and moisture conservation methods for planting fruit trees in and around homestead	01	02	30								
FW	ONC	HOV	Improved production and management practices in Bitter gourd cultivation	01	02	25								
FW	ONC	HOV	Profitable cereal and vegetable based cropping patterns for small land holders under irrigated conditions.	01	02	20								
FW	ONC	HOV	Profitable vegetable based cropping patterns for	01	02	20								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			marginal farmers under irrigated conditions											
FW	OFC	HOV	Nursery raising techniques for Kharif season vegetables.	01	02	25								
FW	OFC	HOS	Improved production and management practices in Zinger and Turmeric.	01	02	30								
FW	ONC	HOV	Improved production technology for Leafy coriander and radish .	01	02	25								
FW	OFC	HOV	Improved production technology of cauliflower during rainy season	01	02	25								
RY	ONC	RYH	Various propagation techniques involved in raising nursery of fruit plants	01	10	20								
IS	ONC	EXP	Recent technologies in high valued horticultural crops for enhancing farmers income.	01	02	20								
FW	ONC	HOS	Improved cultivation technology for garlic and onion.	01	02	25								
IS	ONC	EXP	Multi storied cropping and intercropping system in Horticultural crops	01	02	20								
FW	OFC	HOV	Nursery raising technique of cucurbitaceous vegetables in poly bags.	01	02	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants								
							General		SC		ST		Others		
							M	F	M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
FW	OFC	HOS	Foliar application of water soluble nutrients in onion and garlic	01	02	30									
RY	ONC	HOV	Off Season Cultivation of vegetables	01	05	25									
Crop Production															
FW	ONC	IFS	Integrated farming system module for improving profitability and livelihoods of small and marginal farmers.	01	01	20									
FW	OFC	RCT	Improved methods of sowing and cultural operations for enhancing productivity of kharif pulses and oilseed crops	01	02	20									
RY	ONC	ICM	Seed production techniques of Greengram and Blackgram	01	5	20									
FW	ONC	NRM	Efficient and profitable cropping pattern for rainfed and limited irrigation farming situation	01	02	25									
FW	OFC	NRM	Resource conservation technologies to mitigate the ill-effects of climate change	01	02	25									
FW	ONC	RCT	Improved methods of sowing Kharif pulses and oilseed crops	01	02	25									
FW	ONC	IWM	Integrated weed management in Kharif Crops	01	02	20									

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
IS	ONC	RCT	Optimum crop combinations and planting geometry for intercropping of pulses and oilseeds	01	02	20								
FW	ONC	ICM	Integrated Crop Management Practices in Mustard	01	02	20								
FW	ONC	RCT	Dry sowing technology of wheat	01	02	20								
FW	ONC	RCT	Zero tillage sowing technique in Wheat	01	02	20								
FW	OFC	IWM	Integrated weed management in wheat	01	02	20								
IS	ONC	RCT	Resource Conservation technologies for rain fed farming system	01	02	20								
FW	OFC	NRM	Techniques of protecting crops against frost injury	01	02	20								
FW	OFC	INM	Foliar application of water soluble fertilizers in Rabi crops	01	02	20								
FW	ONC	ICM	Summer cultivation of Greengram and Blackgram	01	02	20								
Agriculture Extension														
FW	ONC	NRM	Soil & Water Conservation techniques in sloppy lands	01	02	20								
FW	OFC	NRM	Raising of deferent type of barriers to control gully formation	01	02	25								
FW	OFC	NRM	Construction of small	01	02	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			structures for conservation of rain water on hillocks											
FW	ONC	CBD	Rice seed production through Farmers Interest Groups (FIGs)	01	02	20								
FW	ONC	CBD	Improved seed production techniques of Rice through organized Farm Women	01	02	20								
FW	ONC	CBD	Functions and Importance of leadership in seed production	01	02	20								
IS	OFC	EXP	Role of ICT for Soil and water conservation	01	02	20								
FW	OFC	CBD	Formation and strengthening of SHGs	01	02	25								
IS	OFC	EXP	Use of ICT tools in dissemination of agricultural technologies	01	02	20								
FW	ONC	CBD	Lentil seed production through FIGs	01	02	20								
FW	ONC	CBD	Leadership development in Krishi Gyan Doot (KGDs)	01	02	25								
BS	ONC	CBD	Knowledge up gradation of Input Supplier/Agriculture Service Provider	01	02	20								
PRI	ONC	CBD	Agricultural Technology application through Panchayat Raj Institutions (PRI)	01	02	25								
FW	OFC	CBD	Application of water soluble fertilizers in Rabi crops	01	02	20								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			through FIGs											
RY	ONC	SFM	Preparation and use of organic inputs	01	04	20								
FW	OFC	SFM	Water management in late sown wheat	01	02	25								
Plant Protection														
FW	OFC	PLP	Integrated Pest management in Okra	01	02	25								
FW	ONC	PLP	Integrated Disease management in kharif pulse crops	01	02	25								
FW	OFC	PLP	Plant Protection measures in summer vegetables	01	02	20								
FW	ONC	PLP	Integrated pest management in Kharif pulses and oilseed crops	01	02	20								
FW	ONC	PLP	Integrated pest management in Rice	01	02	20								
IS	ONC	PLP	Identification, diagnosis & pest management in Kharif crops	01	02	25								
FW	OFC	PLP	Management of Bacterial Leaf blight Disease in Rice.	01	02	25								
FW	OFC	PLP	Management of false smut disease in Rice crop	01	02	25								
FW	OFC	PLP	Method of seed treatment in crop disease management	01	02	25								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	PLP	Mushroom Production	01	02	20								
FW	ONC	PLP	Preparation technology of eco friendly bio- pesticides i.e. NSKE and NPV	01	05	20								
RY	ONC	PLP	Bioagent production	01	05	20								
IS	ONC	PLP	Identification, diagnosis & integrated pest management in Rabi crops	01	02	25								
FW	ONC	PLP	Integrated pest management of Mustard	01	02	20								
FW	ONC	PLP	Integrated insect pest and disease management in vegetables crops	01	02	20								
FW	OFC	PLP	Management of bacterial wilt, red pumpkin beetle and fruit fly in cucurbits	01	02	20								
Livestock Management														
FW	ONC	LPM	Feed and mineral mixture management for improving milk production in buffaloes.	1	2	20								
FW	ONC	LPM	Preparation of balance feed through locally available ingredients for heifers.	1	2	20								
FW	OFC	LPM	Importance of de- worming and vaccination.	1	1	20								
FW	OFC	LPM	Feeding management of newly borne (up to first three	1	1	20								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			months of age)calves											
FW	OFC	LPM	Care and feeding of upgraded progeny of Goat.	1	1	20								
IS	ONC	LPM	Integrated management of infectious diseases in dairy animals	1	3	20								
FW	OFC	LPM	Integrated management of infectious diseases in small animals	1	1	20								
FW	OFC	LPM	Anthelmintic drug management in controlling fascioliasis in sheep	1	1	20								
FW	OFC	LPM	Importance of deworming and vaccination in goat.	1	1	20								
FW	OFC	LPM	Forage management in lean period	1	1	20								
ONC	RY	LPM	Dairy management	1	10	20								
OFC	FW	LPM	Feeding of pregnant goat	1	1	20								
OFC	FW	LPM	Forage management in lean period for buffalo.	1	1	20								
Home Science														
FW	OFC	WOE	Safe storage of food grains	1	01	10								
FW	IS	WOE	Nutritional Diet for Pregnant and Lactating Women	1	02	20								
FW	ONC	WOE	Preparation of balanced diet for farm family through seasonally available local foods	1	02	20								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FW	OFC	WOE	Design and development of low/minimum cost diet	1	02	20								
FW	RY	WOE	Tailoring and Sticking	1	30	20								
FW	OFC	WOE	Techniques of storing safe drinking water	1	02	20								
FW	ONC	WOE	Preparation of weaning food from locally available seasonal foods	1	02	20								
FW	IS	WOE	Nutrient rich locally available foods for pre school children	1	02	20								
FW	RY	WOE	Detergent Making	1	05	20								
FW	ONC	WOE	Household food security by Kitchen gardening and nutrition gardening	1	02	20								
FW	OFC	WOE	Water saving techniques at household level and disposal of kitchen waste	1	01	25								
FW	OFC	WOE	Design and layout of nutritional Kitchen garden	1	02	20								
FW	ONC	WOE	Preservation of aonla i.e. murrabba, chutney pickle, powder	1	02	20								
FW	OFC	WOE	Nursery raising technique for cucurbitaceous vegetables in polybag	1	02	25								
FW	ONC	WOE	Preparation of candy from ber - a value addition	1	02	20								

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants								
							General		SC		ST		Others		
							M	F	M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
FW	OFC	WOE	Preparation of value added low cost nutrition recipes from cereals and pulses.	1	02	20									
Soil Science															
FW	OFC		Technique of collecting oil sample for testing	01	01	20									
FW	OFC		Reclamation of problematic soils	01	02	20									
RY	ONC		Soil testing through Mirda Parikshak	01	5	20									
FW	ONC		Techniques of improving fertility status of soil	01	02	25									
FW	ONC		Different techniques of composting	01	02	25									
IS	ONC		Diagnosis of nutrient deficiencies in Rabi pulse and oilseeds crops and their remedial measures	01	02	20									
FW	OFC		Foliar application of nutrients in field crops	01	02	25									
FW	OFC		Foliar application of water soluble fertilizers in vegetables	01	02	30									

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Motor Driving	Non farm Sector	Employment generation for rural youths	30						
Repair and Maintenance of farm machinery and tools	Farm Machinery	Employment generation for rural youths	30						
Paravet	Livestock	Employment generation for rural youths	30						
Off season Vegetable Production	Vegetables	Employment generation for rural youths	05						
Seed Production	Pulses	Employment generation for rural youths	35						
Vermi Compost Production	Livestock	Employment generation for rural youths	10						
Poultry farming	Livestock	Employment generation for rural youths	10						
Dairy Management	Livestock	Employment generation for rural youths	10						
Various propagation techniques involved in raising nursery of fruit plants	Nursery	Employment generation for rural youths	10						
Stitching Training	Women Empowerment	Employment generation for rural youths	30						
Mushroom Production	Mushroom	Employment generation for rural youths	05						
Bee Keeping	Bee Keeping	Employment generation for rural youths	05						

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Training title	Self employed after training			Number of persons employed else where
	Type of units	Number of units	Number of persons employed	
Vermicompost production				
Motor Driving				
Motor Driving				
Poultry farming				
Farming system model				
Motor Driving and repair and maintenance				
Bee Keeping				
Vegetable and spices Production				
Mushroom Production				

Table 5.5. Sponsored Training Programmes

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
Training on Leadership, book keeping fro SHG members	SHG	Leadership Development	FW	02	02								
Organic farming	NRM	RCT	FW	22	06								
Intercropping systems	NRM	RCT	FW	01	01								
Nutritional Kitchen Garden	Nutritional Security		FW	03	03								

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
Formation of Farmers Interest Groups	Group Approach	FIG	FW	01	01								
Integrated Farming System	IFS	IFS	FW	02	02								
Rural Agriculture Work Experience	RAWE	RAWE	RY	36	06								

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/ RY/ IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
Formation and management of SHGs	CBD	Entrepreneurship Development	FW	02	01								
Basic skills and group works for leadership development	CBD	Leadership Development	FW	02	01								
Techniques of soil and water conservation	SWC	Soil and Water conservation	FW	02	01								
Participatory Rural Appraisal technique	CBD	PRA	IS	02	01								

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Layout, planting technique and moisture conservation methods for planting fruit trees on farm bunds and wastelands								
Nursery raising techniques for Kharif season vegetables.								
Improved production and management practices in Zinger and Turmeric.								
Improved production technology for Leafy coriander and radish .								
Improved production technology of cauliflower during rainy season.								
Various propagation techniques involved in raising nursery of fruit plants								

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Improved cultivation technology for garlic and onion.								
Nursery raising technique of cucurbitaceous vegetables in poly bags.								
Foliar application of water soluble nutrients in onion and garlic								
Importance of sulphur application in oilseed crops.								
Integrated farming system module for improving profitability and livelihoods of small and marginal farmers.								
Improved methods of sowing and cultural operations for enhancing productivity of kharif pulses and oilseed crops.								

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Seed production techniques of Green gram and Black gram								
Efficient and profitable cropping pattern for rain fed and limited irrigation farming situation								
Improved methods of sowing Kharif pulses and oilseed crops								
Integrated weed management in Kharif Crops								
Integrated Crop Management Practices in Mustard								
Dry sowing technology of wheat								
Zero tillage sowing technique in Wheat								
Integrated weed management in wheat								
Foliar application of water soluble fertilizers in Rabi crops								

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Summer cultivation of Greengram and Blackgram								
Feed and mineral mixture management for improving milk production in buffaloes.								
Preparation of balance feed through locally available ingredients for heifers.								
Importance of de-worming and vaccination.								
Feeding management of newly borne (up to first three months of age)calves								
Care and feeding of upgraded progeny of Goat.								
Integrated management of infectious diseases in dairy animals								

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Integrated management of infectious diseases in small animals								
Anthelmintic drug management in controlling fascioliasis in sheep								
Importance of deworming and vaccination in goat.								
Forage management in lean period								

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Field Day	12										
Kisan Mela	2										
Kisan Ghosthi	20										
Exhibition	5										
Film Show	32										
Method Demonstrations	10										
Farmers Seminar	2										
Workshop	2										

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
			M	F	M	F	M	F			
Group meetings	20										
Lectures delivered as resource persons	24										
Newspaper coverage	12										
Radio talks	4										
TV talks	0										
Popular Articles	4										
Extension Literature	12										
Farm Advisory Services	280										
Scientific visit to farmers field	50										
Farmers Visit to KVK	8000										
Diagnostic Visits	44										
Exposure Visits	0										
Ex-trainees Sammelan	1										
Soil Health Camp	2										
Animal Health Camp	4										
Agri Mobile Clinic	0										
Soil Test Campaigns	6										
Krishi Gyan Doot meet	02										
Self Help Group Conveners meetings	1										
Mahila Mandals/FIG Conveners meetings	1										
Celebration of important days (specify)	7										

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Cereals	Paddy	JR-767	SD	10	qtl		
Cereals	Paddy	Pusa Basmati-1509	SD	10	qtl		
Cereals	Paddy	Pusa Sugandh-5	SD	05	qtl		
Cereals	Paddy	Pant Dhan - 10	SD	10	qtl		
Cereals	Paddy	Pant Basmati-1	SD	05	qtl		
Cereals	Paddy	MTU-1010	SD	15	qtl		
Cereals	Wheat	Pusa Jwala	SD	10	qtl		
Cereals	Wheat	JW-3020	SD	10	qtl		
Cereals	Wheat	HI-1544	SD	10	qtl		
Cereals	Wheat	GW-322	SD	10	qtl		
Cereals	Wheat	CSW-18	SD	10	qtl		
Cereals	Wheat	MP-3211	SD	10	qtl		
Cereals	Wheat	JW-17	SD	08	qtl		
Cereals	Barley	JB-1	SD	2	qtl		
Cereals	Barley	DWRB-137		2	qtl		
Pulses	Pigeon pea	Rajeev Lochen	SD	0.50	qtl		
		TJT-501	SD	0.50	qtl		
Pulses	Green gram	Samrat	SD	0.50	qtl		
		Pusa Vishal	SD	0.30			
		IPM-2-14	SD	0.20	qtl		
Pulses	Black gram	IPU-94-1	SD	0.30	qtl		

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
		Shekhar	SD	0.40	qtl		
		Azad-1	SD	0.30	qtl		
Oilseed	Soybean	RVS2001-04	SD	2.0			
Pulses	Chickpea	JG-14	SD	2.0	qtl		
Pulses	Chickpea	JG-16	SD	2.0	qtl		
Oilseed	Sesame	RT-346	SD	1.50	qtl		
		JTS-21	SD	0.50	qtl		
		RT-351	SD	0.50	qtl		
Oilseed	Mustard	Pusa Tarak	SD	3.50	qtl		
		Pusa Mahak	SD	0.50	qtl		
		Pusa Mustard- 28	SD	3.50	qtl		
		Giriraj	SD	3.50	qtl		
		Pusa Vijay	SD	2.00	qtl		
Spices	Chillies	Kashi Anmol, Pusa Sada Bahar	SD	0.50	qtl		
Spices	Zinger	Suprabha	SD	2.0	qtl		
Spices	Turmeric	Pant Pitambh, Shoruma	SD	2.0	qtl		
Spices	Coriander	Pant Haritima	SD	1.0	qtl		
Spices	Fenugreek	Azad Methi-1, Kasuri methi	SD	1.0	qtl		
Spices	Garlic	G-282	SD	1.0	qtl		
Plantation crops		-	-	-	-		
Floriculture	Marigold	Pusa Basanti & Pusa Narangi	SD	0.05	qtl		
Forest species	Eucalyptus		PM	1000	No		
Forest species	Teek		PM	1000	No.		

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Forest species	Shisham		PM	500	No		
Forest species	Bamboo		PM	500	NO.		
Fruits	Mango Budded	Dushehari, langra, Amarpali	PM	400	No.		
Fruits	Mango Seedling	Seedling	PM	500	No.		
Fruits	Aonla Budded	NA-7 & NA-6	PM	1000	No.		
Fruits	Aonla seedling	Seedling	PM	20000	No.		
Fruits	Karounda seedling	Pant Manohar, Pant Swarna	PM	5000	No.		
Fruits	Lemon Budded	Sweet Lime	PM	500	No.		
Fruits	Lemon seedling	Kagzi	PM	500	No.		
Fruits	Papaya ssedling	Coorg Honey Dew	PM	2000	No.		
Fruits	Guava budded	Apple colour and Allahabadi Safeda	PM	1000	No.		
Fruits	Guava seedlings	Apple colour and Allahabadi Safeda	PM	3000	No.		
Fruits	Pomegrannate	Bhaguwa	PM	1500	NO.		
Fruits	Custard Apple	Dharur-6	PM	500	No.		
Fruits	Jack fruit	Khwaja	PM	200	No.		
Fruits	Ber Budded	Gola, Banarasi Kadaka,Seb	PM	300	No.		
Ornamental crops	Manokamani		PM	250	No.		
Ornamental crops	Chandani		PM	200	No.		
Ornamental crops	Chameli		PM	150	No.		
Ornamental crops	Gulmohar		PM	100	No.		
Ornamental crops	Ficus		PM	200	No.		
Ornamental crops	Croton		PM	100	No.		
Ornamental crops	Bottle palm		PM	50	No.		

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Ornamental crops	Rose		PM	200	No.		
Vegetables	Tomato	Kashi Vishesh ,T-5, T-6	SD	0.05	Qtl.		
Vegetables	Brinjal	Kashi Taru	SD	0.02	Qtl.		
Vegetables	Okra	Kashi Vibhuti, Azad-1	SD	0.50	Qtl.		
Vegetables	Cowpea	Kashi Kanchan, Sukomal	SD	1.00	Qtl.		
Vegetables	Spinach	All green	SD	0.05	Qtl.		
Vegetables	Radish	Japanese white/VRR-1	SD	0.02	Qtl.		
Vegetables	Onion	Agri Found Light Red	SD	0.75	Qtl.		
Vegetables	Pumpkin	Azad Harit	SD	0.02	Qtl.		
Vegetables	Sponge gourd	S-1	SD	0.01	Qtl.		
Vegetables	Bottlegourd	Pusa naveen	SD	0.01	Qtl.		
Vegetables	Tomato	Kashi Vishesh, T-5, T-6	PM	100000	No.		
Vegetables	Brinjal	Kashi Taru, NB-2	PM	40000	No.		
Vegetables	Chillies	Kashi Anmol, Azad-1	PM	50000	No.		
Vegetables	Cabbage	Golden Acre, Mukta	PM	6000	No.		
Vegetables	Cauliflower	Pusa Shubra, Snowball-16	PM	20000	No.		
Vegetables	Broccoli	Fiasta	PM	5000	No.		
Vegetables	Red Cabbage	Primro	PM	1500	No.		
Vegetables	Onion	Agri Found Light Red	PM	100000	No.		
Vegetables	Capsicum	California wonder	PM	500	No.		

7.2 Planting Material production

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Spices	Zinger			0.1	Suprabha					
	Turmeric			0.1	Pant Pitambh, Shoruma, Barua Sagar					

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Name of the Product	Qty(ctl)	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
Vermiwash	2	10000	20000	
Bio Pesticides	4.0	1500	10000	

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	Sahiwal	Milk	3500	-	-	-
Buffalo	Murrah	Milk	3600	-	-	-
Sheep and Goat	Barbari/Jamunapari	Kids	10	-	-	-
Poultry	Broiler/Kadaknath	Birds	600	-	-	-

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : - 2004-05

8.1 Details of soil & water samples analyzed so far :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	2000	1000	06		

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
-	Techniques of soil and water conservation	PF	03	-	-	-	-	-	-
-	Raising of vegetative barrier to control gully formation	PF	01	-	-	-	-	-	-
-	Moisture conservation techniques on sloppy land.	PF	01	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Satna	-			-
Satna	48	35000	213	-

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Satna	02.06.2018	-	-

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Satna	22.04.2010	Quarterly	500	500

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Satna	CD	Production Technology of Onion	200
Satna	CD	Production Technology of Turmeric	200
Satna		Production Technology of Bittergourd	200
Satna	CD	Seed Production Technology of gram	200
Satna	CD	Seed Production Technology of Wheat	200
Satna	CD	Production Technology of Redgram	200
Satna	CD	Disease Management in Pulse crops	200

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Satna	CD	Disease Management in oilseed crops	200

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	6	-	-	-	-
Technical bulletins	10	-	-	-	-
Technical reports	4	-	-	-	-
Popular article	4	-	-	-	-
News paper coverage	30	-	-	-	-
Year Planner	01	-	-	-	-
Extension literature	12	-	-	-	-

13. Convergence with various agricultural schemes (Central & State sponsored)

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA	State				
MNREGA	Central				
NHM	State				
NMSA/NFSM	Central				
Custom Hiring	State				
Seed Village	State				
Beej Gram Yojna/Suraj Dhara/ Annpurna Yojna	State				
NICRA	Central				
Nandishala/ Goat farming/ Kadaknath	State				

14. Utilization of Farmers Hostel

Accommodation available (No. of beds): 50 beds

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	-	-	-	-

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Satna	2004	2005	12	0	

16. Details of KVK Agro-technological Park

a) Have you prepared layout plan, where sent?

Financial Assistance of Rs 5 lakhs has been sought from DRDA

Sr.No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other, pl. sp.)
1	Satna	yes	DRDA, Satna

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Satna	Crop Cafeteria	
Satna	Technology Desk	
Satna	Visitors Gallery	
Satna	Technology Exhibition	
Satna	Technology Gate-Valve	

c). Crop Cafeteria

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Field Crops Cafeteria	03
2	Vegetable Crops Cafeteria	01
3	Fruit Crops Cafeteria	01
4	Medicinal plants Cafeteria	01

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Satna			

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	30.06.2018 & 11.02.2018	-

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Satna	02	06	06	50

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
-	-	-	-	-

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	Rewa and Chitrakoot	Resource person, seed and planting material	-

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Satna	-	-	-

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Satna	In progress	-	-

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1	Satna	-	-

25. E-CONNECTIVITY (ERNET Lab)

Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Satna	Gosthies	03	150	
Satna	Lectures organized	12	500	
Satna	Exhibition	03	500	
Satna	Film show	12	350	
Satna	Fair	01	500	
Satna	Farm Visit	6	350	
Satna	Diagnostic Practical's	5	250	
Satna	Distribution of Literature (No.)	15	500	
Satna	Distribution of Seed (q)	40	500	
Satna	Distribution of Planting materials (No.)	1500	500	
Satna	Bio Product distribution (Kg)			
Satna	Bio Fertilizers (q)			
Satna	Distribution of fingerlings (No)	0	0	
Satna	Distribution of Livestock specimen (No.)	3	3	
Satna	Total number of farmers visited the technology week		500	

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
1	Satna	Greengram (Samrat)	25	-
2	Satna	Blackgram(PU-31)	25	-
3	Satna	Sesame	50	-
4	Satna	Fenugreek	25	-
5	Satna	Cowpea	10	-

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Satna	Oilseeds	100	-
2	Satna	Pulses	150	-
3	Satna	Cereals	150	-
4	Satna	Vegetable crops	25	-
5	Satna	Tuber crops	0	-
6	Satna	Fruits	15	-
7	Satna	Spices	15	-
		Total	455	-

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	Satna	Dairy Management	02	100
2	Satna	Disease management	02	50
3	Satna	Feed and fodder technology	01	50
4	Satna	Poultry management	02	25

Animal health camps to be organized

Name of KVK	Number of camps	No. of animals	No. of farmers
Satna	02	-	-

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Satna	Blackgram	2.0	-	-
Satna	Greengram	2.0	-	-
Satna	Mustard	5.0	-	-
Satna	Cowpea	0.50	-	-

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Satna	Tomato	40000	-	-
Satna	Brinjal	12000	-	-
Satna	Chillies	20000	-	-
Satna	Cabbage	6000	-	-
Satna	Cauliflower	6000	-	-
Satna	Broccoli	2000	-	-
Satna	Red Cabbage	1500	-	-
Satna	Onion	50000	-	-
Satna	Capsicum	500	-	-

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Satna				

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Satna	-	-	-	-

Vermis Produced

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Satna	<i>Icenea foetida</i>	50 kg		50

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
Satna	-	-	-

Awareness Campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
-	-	-	-	-	-	-	-	-	-	-	-

28. Proposal of NICRA 2018-19

1. Technologies to be demonstrated

S.No.	Module	Climatic constraint to be addressed	Key intervention	Measurable indicator (s)
1	Natural resource management	Dry spell and terminal drought	Renovation of defunct well and recharging of wells	Increase in water level of wells in May and December (m)
		Dry spell and terminal drought	Renovation of existing water harvesting structures	Water storage capacity (cubic m), Increase in irrigated area (ha)
		Poor moisture retention of soils	Submerged pitcher technique of planting fruit trees	% Plant survival after one year
		Dry spell and terminal drought	Ridge & furrow sowing technique in Kharif oilseeds and pulse crops (Soybean, Black gram, Green Gram, Pigeon Pea) sowing technique	Increase in yield over traditional sowing method (q/ha), moisture content of soils in root zone during dry spell (%)
		Dry spell and terminal drought	Vermicomposting, incorporation of FYM and Vermicompost	Increase in OC (%), moisture content of soils in root zone during dry spell (%)
		Dry spell and terminal drought	Deep summer ploughing for insitu water conservation	moisture content of soils in root zone during dry spell (%), increase in yield of crops in deep summer ploughed fields
		Dry spell and terminal drought	Farm bunding and contour trenching for insitu moisture conservation	Increase in water level of wells in May and December (m), increase in yield over control (%)
2	Crop production			
		Terminal drought	Direct Seeding of short duration/drought	Increase in yield over control (%),

S.No.	Module	Climatic constraint to be addressed	Key intervention	Measurable indicator (s)
			tolerant variety Sahbhagi/MTU-1010 in deep summer ploughed field to cope with drought and dryspell	moisture content of soils in root zone during terminal drought stage (%)
		Early and terminal drought, dry spell	Demonstration of Short duration Crops varieties tolerant to biotic and abiotic stress (LGP less than 85 days) with improved sowing method: greengram-PDM-139, Blackgram- IPU 94-1, Sesame-JTS-08	Rice equivalent yield (q/ha), increase in net returns, B:C ratio
		Reducing risk of crop failure due to terminal drought and dry spell	Demonstration of pigeon pea based intercropping systems	Increase in net returns (Rs/ha), B:C ratio
		Frost	Demonstration of frost escaping variety of Pigeon Pea with transplanted technique-TJT-501	Increase in net returns (Rs/ha), B:C ratio
		Terminal Drought, dry spell	Demonstration of Drought tolerant crop-Lobia in Kharif fallow land	Increase in net returns (Rs/ha), availability of fodder (q/ha)
		Terminal Heat	Advancement of sowing of rabi crops by 15- 20 days and demonstration of heat tolerant variety of Chickpea- JG-14	Increase in net returns (Rs/ha), B:C ratio
			Demonstration of Intercropping System (Raifed wheat variety (JW-17) + mustard(Pusa Tarak/ Pusa mustard -28, Chickpea (JG-14) + Pusa Tarak	Increase in net returns (Rs/ha), B:C ratio
		No winter rains	Demonstration of Barley variety JB-1	Wheat equivalent yield (q/ha), Increase in net returns (Rs/ha), B:C ratio
		Livelihood insecurity	Demonstration of short duration high valued crops with LGP less than 75 days (Radish, Spinach, leafy Coriander, Cowpea, Okra)	Increase in net returns(Rs/ha), B:C ratio
			Demonstration of high valued crops (Kharif onion, turmeric)	Increase in net returns (Rs/ha), B:C ratio

S.No.	Module	Climatic constraint to be addressed	Key intervention	Measurable indicator (s)
3	Livestock & Fisheries	Fodder Scarcity	Demonstration of improved variety of Sorghum (Chari) for fodder	Availability of fodder (in days), fodder yield q/ha, B:C ratio
		Fodder Scarcity	Demonstration of Berseem for fodder	Availability of fodder (in days), fodder yield q/ha , B:C ratio
		Heat stress	Vaccination and mineral mixture supplementation of feed	Increase in milk production of lactating cows, % decrease in mortality rate of calves (%)
		Mortality rate is higher in local sp.	Demonstration of Poultry breed Kadaknath	Income generation for SC Women.
4	Institutional interventions	Ensuring seed availability of biotic and a biotic stress tolerant varieties	Establishment of Seed banks	Quantity of seed, area covered (ha)
		Creating literacy towards climate	Training, climate literacy campaign, gosthies, farmers interface, animal health camp	Adoption of climate resilient technologies by farmers (%)
		Popularizing climate tolerant technology	Demonstration, field days, news paper overage, literature development, exhibition on climate resilient technologies, case study/ success story of farmers	Horizontal spread of climate resilient technologies (ha)
		Exposure of farmers towards climate tolerant technology	Exposure Visits of farmers of the village in previous NICRA village and KVK	Feed back on learning

Crop production

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Direct Seeding of short duration/ drought tolerant Paddy variety Sahbhagi/ MTU-1010 in deep summer ploughed field to cope with drought and dry spell	Paddy	8			20
Demonstration of Short duration Sesame variety tolerant to biotic and abiotic stress(LGP less than 85 days) JTS-08	Sesame	6			15

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Demonstration of Short duration Green gram variety tolerant to biotic and abiotic stress (LGP less than 85 days) with ridge and furrow sowing method: PDM-139	Green gram	4			10
Demonstration of Short duration Black gram variety tolerant to biotic and abiotic stress (LGP less than 85 days) with improved sowing method: IPU 94-1	Black gram	4			10
Demonstration of frost escaping variety of Pigeon Pea with transplanted technique- TJT-501	Pigeon pea	2			05
Demonstration of pigeon pea based intercropping system (Pigeon pea + Green gram)	Pigeon pea + Green gram	1.2			03
Demonstration of pigeon pea based intercropping system (Pigeon pea + Black gram)	Pigeon pea + Black gram	1.2			03
Demonstration of Drought tolerant crop- Cowpea in Kharif fallow land	Cow pea	1.2			03
Advancement of sowing of rabi crops by 15- 20 days and demonstration of heat tolerant variety of Chickpea- JG-14	Chick pea	4			10
Advancement of sowing of rabi crops by 15- 20 days and demonstration of heat tolerant variety of Mustard- Pusa tarak/Pusa mustard-28	Mustard	6			15
Demonstration of drought tolerant Wheat variety JW-17	Wheat	8			20
Demonstration of drought tolerant Barley variety JB-1	Barley	8	-	-	20
Demonstration of Intercropping System (Raifed wheat variety (JW-17) + mustard(Pusa Tarak/Pusa mustard-28 (6:2)	Wheat + Mustard	2			05
Demonstration of Intercropping System with Chickpea (JG-14) + linseed (JLS-26/JLS-27) (3:1)	Chick pea + Linseed	2			05
Demonstration of short duration crop with LGP less than 45 days (Leafy Coriander)	Coriander	0.4			08
Demonstration of short duration crop with LGP less than 80 days (Okra)	Okra	0.4			08
Demonstration of high valued crops (Kharif onion)	Onion	0.4			10

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Demonstration of high valued crops (Kharif Turmeric)	Turmeric	0.2			05
In situ Moisture Conservation		6.4			08
Renovation of defunct well and recharging of wells (04)		0.27			60
Submerged pitcher technique of planting fruit trees		2			05
Ridge & furrow sowing technique in Kharif pulse crops (Green gram)		2			05
Ridge & furrow sowing technique in Kharif pulse crops (Black gram)		6			15
Vermicomposting, incorporation of FYM and Vermicompost		8			20
Deep summer ploughing for in situ water conservation		4			10
Farm bunding and contour trenching for in situ moisture conservation		6.4			08
Improved agronomic practices and other crop interventions					
Water saving paddy cultivation methods- DSR		8			20
Method of Sowing in Kharif pulses-Ridge and furrow sowing		4			10
Weed Management		20			50
Soil test based application of nutrients		20			50
Foliar application of water soluble fertilizers		60			150
Income generation activities (Mushroom etc)		0.4			10
Nutritional Kitchen garden		0.4			40

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farmers Seminar	-	-	-	-
Exposure visit of farmers to KVK Chitrakoot(1)	35	15		

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Field Day(12)	400	100	50	
Farmers Scientist Interaction				
Exhibition(02)	300	100	10	
CD show				
Village Climate Risk Management Committee/ Seed Bank/ fodder bank meeting(04)				
Kisan Mobile Sandesh(52)	52			
Animal camps and Vaccination(02)				

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
In situ moisture conservation and rain water harvesting techniques	-	-	-	-
Feeding and Disease management in Livestock	-	-	-	-
Improved sowing techniques for rain fed areas viz. Ridge and furrow, Raised bed technique	-	-	-	-
Vegetable cultivation for Income generation	-	-	-	-
Sub merged pitcher system of planting fruit trees	-	-	-	-
Weed Management in Kharif crops	-	-	-	-
Crop diversification and cropping system to overcome the drought effects.	-	-	-	-
Sowing technique of Rabi crops	-	-	-	-
Organic manure and bio pesticide preparation techniques	-	-	-	-
Dry seeding Technology of wheat production	-	-	-	-
Techniques for protecting crops from frost and mitigating	-	-	-	-

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
frost injury.				

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
2011	0.40 ha	-

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status
2011	100 q	-

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit
-	-	-

29. Proposed works under NAIP (in NAIP monitoring format) NA

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Satna	21892817349	-	-	-

31. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Satna	Zonal	-	-	-

32. Case study / Success Story to be developed – Two best only in the following format

Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, and Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Satna	03	02

8. KVK, Sehore

PERIOD – April 2018 to March, 2019

Summary of the activities

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
OFTs	22	265			
FLDs – Oilseeds (activity in ha)	02	06			
FLDs – Pulses (activity in ha)	03	10			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	15	31.9			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	06	70			
Training-Farmers and farm women	61	1525			
Training-Rural youths	23	575			
Training- Extension functionaries	21	522			
Vocational Trainings	13	159			
Extension Activities	13	159			
Seed Production (Number of activity as seeds in quintal)	264	400			
Planting material ((Number of activity as quantity of planting material in quintal)	300	100			
Seedling Production (Number of activity as number of seedlings in numbers)	30000	850			
Sapling Production (Number of activity as number of sapling in numbers)	5000	500			
Other Bio- products (No. of quantity)	300	200			
Live stock products	110	80			
Activities of Soil and Water Testing Laboratory	5000	5000			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	60	45000			

Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
	Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
SAC Meeting (Date & no. of core/ official members)	01 01	30 30			
Literature to be Developed/Published	50	Mass			
Convergence programmes / Sponsored programmes	04	-			
Utilization of Farmers Hostel	100	1000			
Utilization of Staff Quarters	06	06			
Details of KVK Agro-technological Park	Enclosed	Enclosed			
Crop Cafeteria-	Enclosed	Enclosed			
Farm Innovators- list of 10 farm innovators from the District	Enclosed	Enclosed			
Status of Revolving Funds	Enclosed	Enclosed			
Awards and Recognitions	07	07			
Case study / Success Story to be developed	12	12			
KVK Progressive Farmers interaction	02	100			
Outreach of KVK in the District (No. of blocks, no. of villages)	05/1049	-			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	02	02			
Important visitors to KVK	10	10			
Status of KVK Website	Regularly update	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	01	380			
Interventions on Drought Mitigation	-	-			
Proposal of NAIP	-	-			
Proposal of NICRA	-	-			
Well labeled photographs	-	-			

1. GENERAL INFORMATION

1.1. Staff Position

Summary of Staff position in KVKs as on 01 April, 2018

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
KVK-SEHORE	16	01	0	06	04	03	03	06	05	16	12

Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Head	Vacant	-	-	-	-	-	-	-	-
Scientist – 1	Mr. J. K. Kanaujia	Horticulture	M.Sc.	Vegetable	15600 - 5400-39100		09/07/05	Temporary	OBC
Scientist-2	Mr. Sandeep Todwal	Soil Science	M.Sc.	Soil Science & Agri. Chemistry	15600 - 5400-39100		16/12/10	Temporary	OBC
Scientist – 3	Mr. Devendra Patil	Agronomy	M.Sc.	Agronomy	15600 - 5400-39100		26/12/2017	Temporary	OBC
Scientist – 4	Mr. Deepak Kushwaha	Plant Protection	M.Sc.	Entomology	15600 - 5400-39100		01/01/2018	Temporary	OBC
Scientist – 5	Vacant	-	-	-	-	-	-	-	-
Scientist- 6	Vacant	-	-	-	-	-	-	-	-
Programme Assistant	Miss Kusum Shukhwal	Home Science	M.Sc.	Home Science	9300-4200-34800		05/02/2018	Temporary	GEN
Farm Manager	Mr. Vikas Baliyan	Soil Science	M.Sc.	Soil Science	9300-4200-34800		10/01/2018	Temporary	OBC
Computer Programmer	Mr. Akshay Kalkar	MCA	MCA	Computer Application	9300-4200-34800		01/01/2018	Temporary	GEN

Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specialization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Accountant	Mr Shashikant Harde	Commerce	M.Com	Commerce	9300-4200-34800		01/08/13	Temporary	SC
Stenographer	Mr. Bhanu Pal Singh	Science	B.Sc.	Steno	5200 - 2400-20200		25/01/08	Temporary	GEN
Driver	Mr. Pradip Singh Rajput	-	10 th	-	5200 - 2000-20200		18/08/03	Temporary	GEN
Driver	Vacant	-	-	-	-		-	-	-
Supporting staff	Mr. Ravishanker Raikwar	-	10 th	-	4400 - 1300-7440		01/03/01	Temporary	OBC
Supporting staff	Mr. Nirmal Kumar	-	8 th	-	4400 - 1300-7440		25/08/06	Temporary	ST

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

Land use pattern:

The total arable land of Sehore district is 398894 ha, out of which, the irrigated area is about 68%. The major crop grown in *Kharif* season are Soybean, Rice, Maize, Jowar, Pigeon pea and Wheat, Chickpea and sugarcane are the popular crops in *Rabi* season.

Land use pattern (Source: Land record)

S. No.	Particulars	Details
1.	Total geographical area (ha)	656368
2.	Net sown area (ha)	398894
3.	Area sown more than once in the year (ha)	363044
4.	Gross cropped area (ha)	761938
5.	Forest land (ha)	164039
6.	Waste land (ha)	9605
7.	Land under other uses (ha)	83830

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Sehore	Bichhia	2013	Sehore	70 Km	2440	520
Sehore	Golukhedi	2014	Ichhawar	30 Km	2576	238
Sehore	Kothara Pipalya	2016	Nasrullaganj	68 Km.	1486	355
Sehore	Bijlon	2017	Sehore	50 Km	2141	424
Sehore	Narsinghkhedda	2018	Ichhawar	25 Km	2008	407

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
Sehore	Soil Health Management, Crop management Practices (CMP)
Sehore	Horticulture & Végétales Corps (H & VC)
Sehore	Animal Science (A S)
Sehore	Integrated Plant Protection Techniques (IPPT)
Sehore	Women in Agriculture. (W A)
Sehore	Implements & Farm Machinery (I & FM)
Sehore	Natural Resource Management (NRM)
Sehore	Livelihood & Nutritional Security
Sehore	Doubling Farmers income by 2021-22

1.5. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

Problem identified	Methods of problem identification	Location Name of Village & Block
<p>Soil health High Soil erosion due to undulation & non bunding of farms Deterioration in Soil health due to adoption of Soybean – Wheat , Paddy – Wheat, Soybean- Chickpea cropping system Deterioration in soil health due to imbalance use of</p>	<p>Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.</p>	<p>Problem are common in entire district</p>

Problem identified	Methods of problem identification	Location Name of Village & Block	
plant nutrient Lack of knowledge about bio fertilizer & its application			
Unavailability of high yielding varieties/ hybrids in field crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, Interface, Extranees meet etc.	Problem are common in entire district	
Low seed replacement rate in major Crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Lack of awareness about seed treatment	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Weed infestation in Crops	Field visit, Individual contact	Bayan	Budhni
Low yield due to Old varieties, No use of Recommended Package of Practices	PRA, Field visit, Individual contact	Golukhedi Bichhia Bafapur	Ichhawar Sehore Ashta
Low water use efficiency	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Low fertilizer use efficiency due to imbalance use of fertilizer	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Heavy infestation of insect & disease	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Slow crop diversification in Horticultural crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Slow adoption of farm mechanization	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
High post harvest losses in grain, vegetable & Fruits crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Poor adoption of technology by Farmers	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Weed infestation of crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	
Water stress in critical stages of plant growth	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extranees meet etc.	Problem are common in entire district	

2. On Farm Testing

2.1 Information about OFT to be conducted

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
2017- 18	Low yield of onion due to imbalance use of plant nutrient	Assessment	INM	Onion	Irrigated	1.5	10	Assessment of INM in Onion crop				
2018- 19	Low yield due to poor information Sources	Assessment	CBD	Enterprises	-	-	60	Assessment of PUSA KRISHI apps for information gaining				
2018- 19	Poor knowledge about soil health card recommendation	Assessment	CBD	Enterprise	-	-	40	Assessment of knowledge & adoption of Soil Health Card based on fertilizer application				
Kharif. 2018	Low yield of Soybean crop due to use of conventional sowing machine often leads to water logging or drought condition & causing 15-17% losses in grain yield.	Assessment	I&FM	Soybean	Rainfed	6.0	05	Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop				
Kharif. 2018	Low yield of Maize due to old	Assessment	CMP	Maize	Irrigated	4.0	10	Assessment of Mize varieties				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	varieties and no seed treatment							Pratap Hybrid Maize -3 in Kharif season				
Kharif. 2018	Low yield of hybrid maize crop due to imbalance use of plant nutrient (64:46:00 NPK kg./ha.)	Assessment	INM	Maize	Irrigated	1.5	10	Assessment of INM Module in hybrid maize crop				
Kharif, 2018- 19	Low quality and yield due to low or no use of potassium nutrient	Assessment	INM	Soybean	Irrigated	6.0	10	Assessment of Foliar Spray (Potassium) in Soybean crop				
Kharif. 2018	Low & poor quality yield of cucurbits due to heavy infestation of fruit fly (Av. Yield losses up to 12-15 %)	Assessment	IPM	Bottle gourd & Pumpkin	Irrigated	1.5	10	Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)				
kharif 2018- 19	Low yield of Kharif Onion Farmers are mainly growing local varieties (known as Nasik) with major breakthrough in yield realization through improved	Assessment	Varietal evaluation	Onion	Irrigated	0.75	05	Assessment of promising variety Bheema Supper of Kharif Onion for higher yield and income.				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	varieties, the farmers aspire to get maximum production per unit area.											
2018-19	Low milk yield & high cost of production due to unavailability of green fodder	Assessment	Feeding Management	Buffalo	-	-	10	Assessment of Bajara + Cowpea on production performance of lactating buffalo				
2018-19	Low body weight gain & less egg production due to heat stress in poultry	Assessment	Feed management	Poultry	-	-	10	Assessment of Electrolytes to Manage heat stress in poultry				
2018-19	Low milk yield from cow due to lack of essential minerals & vitamins in feed	Assessment	Feeding Management	Cow	-	-	10	Assessment of chelated minerals supplement on milk yield in cow				
2018-19	Low return from milch Animals	Assessment	LPM	Milch Animals	-	-	10	Assessment of Round the year green fodder production & use of cow dunk as vermi composting				
Rabi, 2018-19	Low yield of wheat due to use of old and impotent	Assessment	CMP	Wheat	Irrigated	6.0	05	Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
	varieties.							irrigated Condition.				
Rabi, 2018- 19	Low yield of chick pea crop due to imbalance use of plant nutrient (9:23:00 NPK kg./ha.)	Assessment	INM	Chickpea	Irrigated	1.5	10	Assessment of INM module in chickpea crop				
Rabi, 2018- 19	Deterioration soil organic carbon content	Assessment	INM	-	-	-	10	Assessment of bio –waste decomposer for quality organic product enhance soil health				
Rabi, 2018- 19	Low yield of Tomato and higher production cost.	Assessment	H&VC	Tomato	Irrigated	0.75	05	Assessment of Tomato Hybrid Arka Rakshak.				
2018- 19	Low income of small and medium farmers	Assessment	H&VC		Irrigated	2.5	05	Assessment of Integrated Farming System approach for doubling farmer’s income of small farmers.				
Rabi, 2018- 19	Low yield & poor quality of cabbage and cauliflower	Assessment	H&VC	Vegetable	Irrigated	1.5	05	Assessment of Integrated Management of diamond Black Mouth in				

Year/ season	Problem diagnose	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
								Cabbage and cauliflower.				
Rabi, 2018- 19	Low yield of tomato due to incidence of leaf curl virus (15- 20%)	Assessment	IDM	Tomato	Irrigated	1.5	10	Assessment of IDM module for the management of leaf curl disease in tomato				
Rabi, 2018- 19	Low yield of wheat due to heavy infestation of termite in semi irrigated (Average yield losses up to 10-15 %)	Assessment	IPM	Wheat	Semi irrigated	1.5	10	Assessment of IPM module for the management of termite in wheat under semi irrigated condition				
Rabi, 2018- 19	Low yield of onion due to imbalance use of plant nutrient (80:40:00 NPK Kg./ha.)	Assessment	INM	Onion	Irrigated	1.5	10	Assessment of INM module in onion crop				
Zaid, 2018- 19	Low yield of Green Gram due to heavy incidence of yellow mosaic disease (Av. Yield losses up to 15- 20%)	Assessment	IDM	Green Gram	Irrigated	2.0	05	Assessment of IDM module for the management of Yellow mosaic disease in Green Gram				

2.2 Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of plastic mulch in vegetables crop	✓	✓
Assessment of knowledge & adoption of Soil Health Card based on fertilizer application	✓	
Assessment of PUSA KRISHI apps for information gaining	✓	
Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop	✓	
Assessment of Maize varieties Pratap Hybrid Maize -3 in Kharif season	✓	
Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)	✓	✓
Assessment of INM module in hybrid maize crop	✓	✓
Assessment of Foliar Spray (Potassium) in Soybean crop	✓	✓
Assessment of promising varieties Bheema Supper of Kharif Onion for higher yield and income.	✓	✓
Assessment of Bajara + Cowpea on production performance of lactating buffalo	✓	
Assessment of Electrolytes to Manage heat stress in poultry	✓	
Assessment of chelated minerals supplement on milk yield in cow	✓	✓
Assessment of Round the year green fodder production & use of cow dunk as vermi composting	✓	✓
Assessment of Tomato Hybrid Arka Rakshak.	✓	✓
Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.	✓	
Assessment of Integrated Farming System approach for doubling farmers income of small farmers.	✓	
Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.	✓	✓
Assessment of bio –waste decomposer for quality organic product enhance soil health	✓	
Assessment of IDM module for the management of leaf curl disease in tomato	✓	
Assessment of IPM module for the management of termite in wheat under semi irrigated condition	✓	
Assessment of INM module in chickpea crop	✓	
Assessment of Nutrient Management in onion crop	✓	✓
Assessment of IDM module for the management of Yellow mosaic disease in Green Gram (Av. Yield losses up to 15-20%)	✓	✓

2.3 Economic Performance

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Assessment of plastic mulch in vegetables crop												
Assessment of INM in Onion crop												
Assessment of knowledge & adoption of Soil Health Card based on fertilizer application												
Assessment of PUSA KRISHI apps for information gaining												
Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop												
Assessment of Mize varieties Pratap Hybrid Maize -3 in Kharif season												
Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)												
Assessment of INM module in hybrid maize crop												
Assessment of Foliar Spray (Potassium) in Soybean crop												
Assessment of promising varieties Bheema Supper of Kharif Onion for higher yield and income.												
Assessment of Bajara + Cowpea on production performance of lactating buffalo												
Assessment of Electrolytes to Manage heat stress in poultry												
Assessment of chelated minerals supplement on milk yield in cow												
Assessment of Round the year green fodder production & use of cow dunk as vermi composting												
Assessment of Tomato Hybrid Arka Rakshak.												
Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.												

OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)
Assessment of Integrated Farming System approach for doubling farmers income of small farmers.												
Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.												
Assessment of bio –waste decomposer for quality organic product enhance soil health												
Assessment of IDM module for the management of leaf curl disease in tomato												
Assessment of IPM module for the management of termite in wheat under semi irrigated condition												
Assessment of INM module in chickpea crop												
Assessment of INM module in onion crop												
Assessment of IDM module for the management of Yellow mosaic disease in Green Gram (Av. Yield losses up to 15-20%)												

3. Front Line Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (up to 2017-18)

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
Onion	IPM	Demonstration of imidachloroprid 17.8 % S.L for the management of sucking pest in rabi onion	Demo. , Farmers training,			
Green gram	INM	Demo. of 75% RDF as per STV (20:60:20) NPK kg./ha. + seed inoculation with Rhizobium & PSB + 4 ton FYM /Ha.				
Cucurbits	H&VC	Spray of 100 ppm NAA at flowering stage in Cucrbits				

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
		(Bitter gourd)	Field visit, Field day, In- service training etc			
Green gram	CMP	Pkg demonstration of Green gram - Improved variety of Green gram, seed treatment, RDF as per STV, Weed management & Timely plant protection				
Crop	CMP	Package Demonstration of Pigeonpea	- Demonstration - Training - Extension Literature - Kits of vegetables seeds			
Crop	CMP	Package Demonstration of Hybrid Maize				
Soybean – Wheat	INM	Demo. of application of 5ton FYM +50%recommended dose of plant nutrient i.e. 20:60:20:20 kg./ha. NPK&S + seed inoculation with Rhizobium &PSB 5-5 g./kg.seed soybean & 75% recommended dose of fertilizer 120:60:40:5.25 NPK&Zn + seed inoculation Azotobactor & PSB 5-5 g/kg. seed wheat	Demo. , Farmers training, Field visit, Field day, In- service training etc			
Soybean	RDF	Demonstration of recommended dose of plant nutrient as per STV + recommended dose of plant nutrient i.e. (20:60:20:20 kg./ha. NPK&S) + seed inoculation with Rhizobium &PSB 5-5 g./kg.seed soybean				
Soybean	IPM	Demonstration of IPM module for the management of Girdle beetle, Semi looper & gram pod borer in Soybean				
Tomato	IDM	Demonstration of of seed & seedling treatment of tomato with Thrichoderma harzianum@ 4 gm/ Lit of water & spray of Blitox 50 @ 2.5 g,m/ Lit of water in Tomato				
Okra- Spinach- Onion	H&VC	Demonstration of Cropping System Okra – Spinach – Onion				
Vegetable	HOV	Demonstration of Plug Tray for raising healthy seedlings				
Buffalo	Disease	Demonstration of Vitamins E in subclinical mastitis of				

Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
	management	Buffalo				
Cow	Feed management	Demonstration of Feeding Balance Ration (TMR) in Pregnant Cow				
Calf management	LPM	Demo. of Calf Management in buffalos for manage calf mortality				
Cow	Feed management	Demonstration on Balance Feeding with Azolla in Cross breed cows				
Poultry	Breed improvement	Demonstration of improved breed for backyard poultry				
Round the year vegetable	H&VC	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security				
Wheat	CMP	Demo. of Wheat variety HI 8713 (Pusa Mangal) under irrigated conditions				
Wheat	I&FM	emo. of Zero tillage seed cum fertilizer drill machine and application of Metsulfuron methyl + Clodinafop Propargyl ai @ 64g per Ha. At 25-30 DAS.				
Wheat	RDF	Demonstration of STCR (targeted yield 50q./ha.) in Wheat crop				
Garlic	INM	Demonstration of INM in Garlic				
Wheat	IPM	Demonstration of Seed treatment with Fipronil (Regent 5 SC @ 0.3 g.a.i./kg seed)				
Onion	IPM	Demonstration of Foliar spray of Imidacloprid 17.8SL @ 125 ml/ha				
Green gram	CMP	Package Demonstration of Green gram				
Green gram	INM	Demo. of integrated nutrient Management in Green gram				
Garlic	H&VC	Demonstration of improved variety Garlic G-282				

3.2 Details of FLDs to be implemented during 2018-19

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
IPM	Onion	2017-18	Demonstration of imidachloroprid 17.8 % S.L for the management of sucking pest in rabi onion	2.0	Onion				0	0	10	0	10
CMP	Green gram	2017-18	Use of improved variety Sikha (IPM-401) + Seed treatment with Carboxin + Thiram @ 3 g per kg seed fb Seed dressing with Thiamethoxam 70FS @ 1.33 ml/ kg Seed + Rhizobium & PSB culture @ 5g/kg seed +Seed rate 20 kg / ha + Nutrient management as per STV@ 20:60:20 N:P:K kg/ha + timely weed management and plant protection measures.	2.0	Green gram				1	0	4	0	5

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
CMP	Pigeon pea	Kharif, 2018	Pkg demonstration of pigeon pea improved variety TJT-501 + Seed treatment with Carboxin + Thiram @ 3 g per kg seed + Rhizobium & PSB culture @ 5g/kg seed +Seed rate 20 kg / ha + Nutrient management as per STV@ 20:60:20 N:P:K kg/ha + timely weed management and plant protection measures.	4.0	TJT- 501				5	0	5	0	10
CMP	Maize	Kharif, 2018	Use of Hybrid seed + Seed treatment with Carboxin + Thiram @ 3 g per kg seed + Azotobacter & PSB culture @ 5g/kg seed +Seed rate 20 kg / ha + Nutrient management as per STV@1 20:60:40 N:P:K kg/ha + timely weed management and plant protection measures.	4.0	Hybrid (INDEM-1122)				5	0	5	0	10

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
I&FM	Paddy	Kharif, 2018	Demonstration of Application of Pretilachlor + Bensulfuron @ /ha at transplanting and FBapplication of Ambika paddy weeder at 20 & 30 DAT.	4.0	-				0	0	10	0	10
INM	Soybean – Wheat	Kharif , 2018 & Rabi – 2018-19	Demo. of application of 5ton FYM +50%recommended dose of plant nutrient i.e. 20:60:20:20 kg./ha. NPK&S + seed inoculation with Rhizobium &PSB 5-5 g./kg.seed soybean & 75% recommended dose of fertilizer 120:60:40:5.25 NPK&Zn + seed inoculation Azotobactor & PSB 5-5 g/kg. seed wheat	2.0	Soybean – JS-9305 Wheat – HI - 8713				1	0	4	0	5

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
RDF	Soybean	Kharif, 2018	Demonstration of recommended dose of plant nutrient as per STV + recommended dose of plant nutrient i.e. (20:60:20:20 kg./ha. NPK&S) + seed inoculation with Rhizobium &PSB 5-5 g./kg.seed soybean	2.0	JS-9560				1	0	4	0	5
H&VC	Vegetable	Kharif, 2018	Demonstration of plug tray & medium far raising healthy vegetable seedlings	1.0	Hybrid				0	0	10	0	10
H&VC	Kitchen garden – Vegetable crops	2018 - 19	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	0.4	Hybrids				7	-	8	0	15
H&VC	Okra – Spinach – Onion	Kharif, 2018	Demonstration of cropping system (Okra- Spinach – Onion)	0.5	Hybrids				0	0	5	0	05
IPM	Soybean	Kharif, 2018	Demonstration of IPM module for the management of girdle beetle and defoliator in Soybean crop	4.0	Soybean				2	0	8	0	10
IDM	Chilli	Kharif, 2018	Demonstration of IDM module for the management of leaf curl disease in chilli	1.0	Chilli				0	0	10	0	10

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
Feed management	Cross breed cow	2018-19	Demonstration of balance feeding with azolla in cross breed cow.	10	Enterprise				0	0	10	0	10
Feed management	Cow	2018-19	Demonstration of Parasite management in Lactating cow	10	Enterprise				2	0	8	0	10
Breed improvement	Poultry	2018-19	Demonstration of improved breed for backyard poultry – Gram Priya	10	Enterprise				10	0	0	0	10
Calf management	Buffalo	2018-19	Demonstration of Calf management technology in buffalo for manage calf mortality	10	Enterprise				0	0	7	3	10
Feed management	Buffalo	2018-19	Demonstration of Vitamin E for the management of subclinical mastitis of Buffalo	10	Enterprise				0	0	8	2	10
CMP	Wheat	Rabi 2018-19	Demonstration of Wheat variety HI 8713 (Pusa Mangal) under irrigated condition.	4	Wheat				0	0	10	0	10
IWM	Wheat	Rabi 2018-19	Demonstration of IWM module in Wheat	4	Wheat				0	0	10	0	10

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
CMP	Wheat	Rabi 2018-19	Demonstration of wheat variety HI-8663 Poshan for nutrimental security	2.0	Wheat				2	0	8	0	10
RDF	Wheat	Rabi, 2018-19	Demonstration of STCR in wheat crop (Targeted yield 50qtl/ha) + Seed inoculation with Azotobactor & PSB	4.0	HI – 8713				2	0	8	0	10
INM	Garlic	Rabi 2018-19	Demonstration of RDF (75:40:40:40 NPK & S kg./ha.) as per STV along with 15 ton FYM/ ha.	1.0	G – 282				2	0	8	0	10
IDM	Chickpea	Rabi 2018-19	Demonstration of IDM module for the management of wilt, root rot & collar rot disease in chickpea	4.0	JAKI- 9218				2	0	8	0	10
IPM	Onion	Rabi 2018-19	Demonstration of Imidacloprid 17.8 % SI for the management of sucking pest in Rabi onion.	2.0	Bheema Supper				3	0	7	0	10
H&VC	Garlic	Rabi 2018-19	Demonstration of improved variety Garlic G-282	1.0	G- 282				0	0	0	5	5

Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep. No.	Name of Variety/ Enterprises	Results (q/ha)		% change	No. of farmers				
						Demo	Check		SC	ST	OBC	Others	Total
H&VC	Cucurbits	2018-19	Demonstration of Black Plastic Mulch in Vegetables crop (25 Micron)	1.0	Hybrid				0	0	0	5	5
CMP	Green gram	Zaid, 2018-19	Pkg demonstration of Green gram – Improved variety of Green gram, seed treatment, RDF as per STV, Weed management & IPM module for the management of insect.	2.0	Sikha (IPM-410-3)				0	0	0	5	05
WOE	Enterprise	2018-19	Demo. of value addition in soybean	-	Soybean product				5		10	5	20

3.3 Economic Impact of FLD

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Onion	Demonstration of imidachloroprid 17.8 % S.L for the management of sucking pest in rabi onion	Insect infestation (%) Yield (q./Ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Green gram	Use of improved variety Sikha (IPM-401) + Seed treatment with Carboxin + Thiram @ 3 g per kg seed fb Seed dressing with Thiamethoxam 70FS @ 1.33 ml/ kg Seed + Rhizobium & PSB culture @ 5g/kg seed +Seed rate 20 kg / ha + Nutrient management as per STV@ 20:60:20 N:P:K kg/ha + timely weed management and plant protection measures.	No. of plants/ m ² No. of pods/ Plant Test weight (g) Yield (q./Ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Pigeon pea	Pkg demonstration of pigeon pea improved variety TJT-501 + Seed treatment with Carboxin + Thiram @ 3 g per kg seed + Rhizobium & PSB culture @ 5g/kg seed +Seed rate 20 kg / ha + Nutrient management as per STV@ 20:60:20 N:P:K kg/ha + timely weed management and plant protection measures.	No. of plants/ m ² No. of pods/ Plant Test weight (g)										
Maize	Use of Hybrid seed + Seed treatment with Carboxin + Thiram @ 3 g per kg seed + Azotobacter & PSB culture @ 5g/kg seed +Seed rate 20 kg / ha + Nutrient management as per STV@1 20:60:40 N:P:K kg/ha + timely weed management and plant protection measures.	No. of cobs/ Plant No. of grains/ Cob Test weight (g)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Paddy	Demonstration of Application of Pretilachlor + Bensulfuron @ /ha at transplanting and FBapplication of Ambika paddy weeder at 20 & 30 DAT.	Weed Intensity/m ² Yield (q/ha)										
Soybean – Wheat	Demo. of application of 5ton FYM +50%recommended dose of plant nutrient i.e. 20:60:20:20 kg./ha. NPK&S + seed inoculation with Rhizobium &PSB 5-5 g./kg.seed soybean & 75% recommended dose of fertilizer 120:60:40:5.25 NPK&Zn + seed inoculation Azotobactor & PSB 5-5 g/kg. seed wheat	Soybean	No. of Pods/ Plant Test weight (g)									
		Wheat	No. of tillers/ Plant Test weight (g)									

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Soybean	Demonstration of recommended dose of plant nutrient as per STV + recommended dose of plant nutrient i.e. (20:60:20:20 kg./ha. NPK&S) + seed inoculation with Rhizobium & PSB 5-5 g./kg. seed soybean	No. of pod / Plants No. of seeds/pod Test weight (g.) Yield (q./ha.)										
Vegetable	Demonstration of plug tray & medium far raising healthy vegetable seedlings	Yield (q./ha.) Net return (Rs./ha.)										
Kitchen garden – Vegetable crops	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	Yield (q./ha.) Net return (Rs./ha.)										
Okra – Spinach – Onion	Demonstration of cropping system (Okra- Spinach – Onion)	Yield (q./ha.) Net return (Rs./ha.)										
Soybean	Demonstration of IPM module for the management of girdle beetle and defoliator in Soybean crop	Infestation (%) Net income (Rs/Ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Chilli	Demonstration of IDM module for the management of leaf curl disease in chilli	Disease incidence (%) Net income (Rs/Ha)										
Cross breed cow	Demonstration of balance feeding with azolla in cross breed cow.	Increase in milk yield (Lit/day) Increase Fat (%) Net income (Rs/cow)										
Cow	Demonstration of Parasite management in Lactating cow	Milk Yield (Lit/Day)										
Poultry	Demonstration of improved breed for backyard poultry – Gram Priya	Body weight gain (gm) Egg production (No in 4 month)										
Buffalo	Demonstration of Calf management technology in buffalo for manage calf mortality	Calf mortality (%) 4 month Body weight gain (kg.) 4 month										
Buffalo	Demonstration of Vitamin E for the management of subclinical mastitis of Buffalo	Decrease subclinical mastitis (%) Milk Yield (Lit/Day)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Wheat	Demonstration of Wheat variety HI 8713 (Pusa Mangal) under irrigated condition.	Yield (qtl./ha.) Net return (Rs./ha.)										
Wheat	Demonstration of IWM module in Wheat	Weed intensity/m ² Yield (qtl./ha.)										
Wheat	Demonstration of wheat variety HI- 8663 Poshan for nutrimental security											
Wheat	Demonstration of STCR in wheat crop (Targeted yield 50qtl/ha) + Seed inoculation with Azotobactor & PSB	No. of tillers/ Plant No. of grain/ ear Test weight (g)										
Garlic	Demonstration of RDF (75:40:40:40 NPK & S kg./ha.) as per STV along with 15 ton FYM/ ha.	No. of cloves/ bulb Yield (q/ha)										
Chickpea	Demonstration of IDM module for the management of wilt, root rot & collar rot disease in chickpea	Disease incidence (%) Net income (Rs/Ha)										

Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Check
Onion	Demonstration of Imidacloprid 17.8 % SI for the management of sucking pest in Rabi onion.	Sucking pest infestation (%) Net income (Rs/Ha)										
Garlic	Demonstration of improved variety Garlic G-282	Cloves weight (g.) Yield (q/ha.)										
Cucurbits	Demonstration of Black Plastic Mulch in Vegetables crop (25 Micron)	Yield (q./ha.) Net return (Rs/ha.)										
Green gram	Pkg demonstration of Green gram – Improved variety of Green gram, seed treatment, RDF as per STV, Weed management & IPM module for the management of insect.	Yield (qtl/Ha) Net income (Rs/ha)										
Enterprise	Demo. of value addition in soybean	Increase nutrient value (BMI) Increase consumption labour										

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Soybean	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
Pigeon pea	Field days	6	150	
	Farmers Training	8	200	
	Media coverage	10	Mass	
	Training for extension functionaries	5	100	
Paddy	Field days	6	150	
	Farmers Training	8	200	
	Media coverage	10	Mass	
	Training for extension functionaries	5	100	
Maize	Field days	6	150	
	Farmers Training	8	200	
	Media coverage	10	Mass	
	Training for extension functionaries	5	100	
Soybean – Wheat	Field days	02	80	
	Farmers Training	04	100	
	Media coverage	02	Mass	
	Training for extension functionaries	01	50	
Soybean	Field days	01	40	
	Farmers Training	03	75	
	Media coverage	01	Mass	
	Training for extension functionaries	01	50	
Vegetable nursery	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	

Crop	Activity	No. of activities organized	Number of participants	Remarks
Okra-Spinach- Onion	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Kitchen garden	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Chilli	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Cross breed cow	Field days	01	38	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Cow	Field days	01	38	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Poultry	Field days	01	38	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Buffalo	Field days	01	38	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Wheat	Field days	6	150	
	Farmers Training	8	200	
	Media coverage	10	Mass	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Training for extension functionaries	5	100	
Chickpea	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
Wheat	Field days	01	40	
	Farmers Training	03	75	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Chickpea	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Onion	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Buffalo	Field days	01	38	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Garlic	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Green gram	Field days	01	40	
	Farmers Training	02	50	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Green gram	Field days	6	150	
	Farmers Training	8	200	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Media coverage	10	Mass	
	Training for extension functionaries	5	100	

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Sehore	Maize	INDAM-1121	Indo American	10	4.0

4. Feedback System

4.1. Feedback of the Farmers to KVK

Feedback			
Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Assessment of Black Plastic Mulch in vegetable crops			
Assessment of Integrated Farming System approach for doubling farmers income of small farmers.			
Assessment of Tomato Hybrid Arka Rakshak.			
Assessment of Integrated Management of Diamond Black Mouth in Cabbage and cauliflower.			
Assessment of Foliar spray of potassium Nutrient in Soybean			
Assessment of INM in Hybrid Maize			
Assessment of INM in Chick pea			
Assessment of Nutrient Management in Onion crop			
Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop			
Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.			
Assessment of Bajara + Cowpea on production performance of lactating buffalo			
Assessment the impact of Electrolytes to control heat stress condition in poultry			
Assessment of chelated minerals supplement on milk yield in cow			
Assessment of Round the year green fodder production & use of cow dunk as Vermin composting			
Assessment of PUSA KRISHI apps for information gaining			
Assessment of knowledge & adoption of Soil Health Card based on fertilizer application			
Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)			

Feedback			
Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Assessment of IPM module for the management of termite in wheat under semi irrigated condition			
Assessment of IPM module for the management of gram pod borer in chickpea			
Assessment of IDM module for the management of Yellow mosaic disease in Green Gram			
Demonstration of Cropping System Okra – Spinach – Onion			
Demonstration of Plug Tray for raising healthy seedlings			
Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security			
Demonstration of improved variety Garlic G-282			
Demonstration of INM in Soybean –Wheat Cropping system			
Demo. of RDF as per STV in Soybean crop			
Demo. of STCR (targeted yield 50 q./ha.) in Wheat crop			
Demonstration of INM in Garlic			
Production Technology of Pigeonpea			
Production Technology of Hybrid Maize			
Integrated Weed Management of Paddy			
Integrated Weed Management of Wheat			
Demonstration of Wheat variety HI 8713 (Pusa Mangal)			
Production Technology of Greengram			
Demonstration of balance feeding with Azolla in cross breed cow.			
Demonstration of improved breed for backyard poultry – Gram Priya			
Demonstration of Calf management technology in buffalo for manage calf mortality			
Demonstration of Vitamin E for the management of subclinical mastitis of Buffalo			

4.2. Feedback from KVK to Research System.

Feedback basic of OFT on Technology Tested	
Assessment of plastic mulch in vegetables crop	
Assessment of knowledge & adoption of Soil Health Card based on fertilizer application	
Assessment of PUSA KRISHI apps for information gaining	

Feedback basic of OFT on Technology Tested	
Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop	
Assessment of Mize varieties Pratap Hybrid Maize -3 in Kharif season	
Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)	
Assessment of INM module in hybrid maize crop	
Assessment of Foliar Spray (Potassium) in Soybean crop	
Assessment of promising varieties Bheema Supper of Kharif Onion for higher yield and income.	
Assessment of Bajara + Cowpea on production performance of lactating buffalo	
Assessment of Electrolytes to Manage heat stress in poultry	
Assessment of chelated minerals supplement on milk yield in cow	
Assessment of Round the year green fodder production & use of cow dunk as vermi composting	
Assessment of Tomato Hybrid Arka Rakshak.	
Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.	
Assessment of Integrated Farming System approach for doubling farmers income of small farmers.	
Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.	
Assessment of bio –waste decomposer for quality organic product enhance soil health	
Assessment of IDM module for the management of leaf curl disease in tomato	
Assessment of IPM module for the management of termite in wheat under semi irrigated condition	
Assessment of INM module in chickpea crop	
Assessment of INM module in onion crop	
Assessment of IDM module for the management of Yellow mosaic disease in Green Gram (Av. Yield losses up to 15-20%)	

5. TRAINING PROGRAMMES

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
Training to Farmers & Farm Women (FW)	PRA Group Meeting Field Visit SAC Meeting Interface	As per Action Plan of KVK	PRA- 100 Group Meeting – 10-15 Field Visit – 05-10 SAC Meeting – 30 Interface – 30-40
Training to Rural Youth (RY)	PRA Group Meeting Field Visit SAC Meeting Interface	As per Action Plan of KVK	PRA- 100 Group Meeting – 15 Field Visit – 05-10 SAC Meeting – 30 Interface – 30-40
Vocational Training (V.T.)	Visits Group discussion questionnaires	As per Action Plan of KVK	Visits – 20 Group discussion – 05-10 Questionnaires – 50
Training to Extension Personnel	Interface, SAC Meeting Results of OFTs Results of FLDs Field Visit	As per Action Plan of KVK	Interface – 30-40 SAC Meeting -30 Results of OFTs - 04 Results of FLDs – 04 Field Visit – 05

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FT	ONC	HOV	Package & Practices of Garlic and Onion	01	02	25	5	-	3	-	2	-	15	-
FT	ONC	IFS	Integrated Farming System for small & marginal farmers	01	02	25	5	-	-	-	2		17	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FT	ONC	CMP	Irrigation Scheduling of Rabi crops	01	01	25	5	-	5	-	-	-	15	-
FW	ONC	SFM	Integrated Nutrient Management in Kharif Crops	01	02	25	2	-	3	-	3	-	17	-
FW	ONC	SFM	Enhancement of fertilizer use efficiency in field crops	01	01	25	2	-	2	-	-	-	21	-
FW	ONC	SFM	Nutrient Management in Rabi crops	01	01	25	2	-	3	-	2	-	18	-
FT	ONC	SFM	Fertilizer Application as per Soil Test Value	01	01	25	3	-	4	-	-	-	18	-
FT	ONC	CBD	Crop Insurance	01	02	25	5	-	3	-	2	-	15	-
FT	ONC	CBD	Soil Health Card	01	02	25	5	-	3	-	2	-	15	-
FT	ONC	CBD	Cash Less Transaction	01	01	25	-	-	5	-	-	-	20	-
FT	ONC	PLP	IPM in Cucurbits Crops	01	01	25	2	-	1	-	1	-	21	-
FT	ONC	PLP	Management of sucking Pest in onion & garlic	02	01	25	1	-	1	-	1	-	22	-
FT	ONC	PLP	Management of yellow mosaic in green gram	01	01	25	01	-	5	-	10	-	9	-
FT	ONC	PLP	Plant Protection in Soybean,Pigeopea & Maize	03	01	25	05	-	2	-	2	-	16	-
FW	ONC	LPM	Feeding Management in Animals	01	02	25	3	-	3	-	-	-	19	-
FW	ONC	WOE	Kitchen gardening for nutritional Security	01	02	20	-	-	-	5	-	3	-	12
FW	ONC	WOE	Weeding operation for Drudgery Reduction in Vegetable crop	01	02	20	-	4	-	4	-	2	-	10
FW	ONC	WOE	Value addition of Seasonal crop	01	02	20	-	4	-	5	-	-	-	11
FW	ONC	LPM	Round the year green fodder production	01	02	25	5	-	-	-	-	-	20	-
RY	ONC	AEG	Repair & Maintenance of Farm Machineries	01	01	25	5	-	4	-	-	-	16	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
RY	ONC	IFS	Integrated Farming System for small & marginal farmers	01	02	25	15	-	3	-	2	-	5	-
RY	ONC	HOF	Protected Cultivation of Vegetables	01	02	25	10	-	2	-	2	-	11	-
RY	ONC	HOV	Climate resilience of Tomato & Chilli (Hybrid)	01	01	25	10	-	3	-	2	-	10	-
RY	ONC	SFM	Fertilizer Application as per Soil Test Value	01	01	25	3	-	4	-	-	-	18	-
RY	ONC	PLP	Calculation of pesticide dose & preparation of its solution	01	01	25	2	-	1	-	2	-	20	-
RY	ONC	LPM	Goat Farming	01	02	20	8	-	12	-	-	-	-	-
RY	ONC	LPM	Back Yard Poultry	01	02	20	13	-	7	-	-	-	-	-
RY	ONC	CBD	Role of Electronic Media in Agriculture	01	01	25	2	-	2	-	01	-	20	-
RY	ONC	CBD	Importance of Internet in Agriculture	01	01	25	4	-	2	-	-	-	19	-
RY	ONC	CBD	Importance of Record Keeping	01	02	25	5	-	3	-	2	-	15	-
RY	ONC	CBD	Importance of Agriculture news paper	01	01	25	10	-	3	-	2	-	10	-
RY	ONC	CMP	Integrated Farming System	01	01	25	5	-	5	-	-	-	20	-
RY	ONC	CMP	Conservation Agriculture	01	01	25	-	-	-	-	5	-	20	-
IS	ONC	CMP	Production technology of Pigeon pea and Soybean Crop	02	1	30	-	-	6	-	4	-	20	-
IS	ONC	CMP	Production technology of Maize and Paddy crop	02	1	30	-	-	6	-	4	-	20	-
IS	ONC	CMP	Production technology of wheat and Chickpea crop	02	1	30	-	-	6	-	4	-	20	-
IS	ONC	CMP	Integrated Farming System	02	1	0	-	-	6	-	4	-	20	-
IS	ONC	CMP	Production Technology of Green	02	01	25	-	-	5	-	-	-	20	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			gram & Black gram											
IS	ONC	HOV	Kitchen Gardening for nutritional and Livelihood security	01	01	25	-	30	-	-	-	-	-	-
IS	ONC	HOV	Use of Plastic Mulch in Horticultural crops	01	02	25	20	5	-	-	-	-	-	-
IS	ONC	H&VC	Protected cultivation of vegetable crops	01	01	25	20	5	-	-	-	-	-	-
IS	ONC	IFS	Integrated Farming System model for higher income	01	01	25	20	5	-	-	-	-	-	-
IS	ONC	SFM	Nutrient Management in Kharif Crops	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	SFM	Nutrient Management in Rabi Crops	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	PLP	Plant protection issues in kharif crops	03	01		-	-	-	-	-	-	20	-
IS	ONC	PLP	Plant protection issues in Rabi crops	04	01	25	5	-	1	-	1	-	16	2
IS	ONC	PLP	IPM Module for the Management of Insect & disease in Chickpea	01	01	25	3	0	2	0	1	-	17	2
IS	ONC	PLP	Plant protection in soybean & maize crop	03	01	25	5	-	2	-	2	-	16	-
IS	ONC	CBD	Information Technology Application in Agriculture	01	01	25	-	-	-	-	-	-	20	5
IS	ONC	CBD	Participatory Rural Appraisal	01	01	25	-	-	-	-	-	-	20	5
IS	ONC	LPM	Round the year green fodder production	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	LPM	Parasite Management in Animals	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	WOE	Nutritional management of Children and Pregnant women	01	02	25	-	2	-	5	-	2	-	13
IS	ONC	WOE	Awareness programme on Health and Hygiene	01	02	25	-	3	-	4	-	1	-	17

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FT	OFF	CMP	Production Technology of Pigeon pea & Soybean	01	01	25	-	-	20	-	-	-	5	-
FT	OFF	CMP	Production Technology of Maize	01	01	25	-	-	5	-	5	-	15	-
FT	OFF	CMP	Integrated Weed Management in Paddy	01	01	25	-	-	5	-	-	-	20	-
FW	OFF	CMP	Women friendly weeding equipment & their operation	01	01	25	-	-	-	10	-	-	-	15
FW	OFF	CMP	Nutritional security through carotene rich drum wheat variety HI- 8713 (Pusa Mangal)	01	01	25	-	-	-	5	-	-	-	20
FT	OFF	CMP	Production Technology Wheat & Chickpea	02	01	25	-	-	5	-	-	-	20	-
FT	OFF	CMP	Weed Management in Wheat crop	01	01	25	-	-	-	-	5	-	20	-
FT	OFF	CMP	Production Technology of Green gram & Black gram	02	01	25	-	-	5	-	-	-	20	-
FT	OFF	HOV	Cropping System Okra- Spinach-Onion	01	01	30	10	-	2	-	1	-	17	-
FT	OFF	HOV	Plug Tray for raising healthy seedlings	01	01	25	5	-	2	-	1	-	17	-
FW	OFF	HOV	Kitchen Gardening in Backyard	02	01	50	-	15	-	5	-	5	-	25
FW	OFF	HOV	Women Friendly tools for vegetables growing	01	01	30	-	5	-	3	-	2	-	20
FT	OFF	HOF	Package & Practices of Tomato & Chilli (Hybrid)	02	01	50	10	-	5	-	2	-	33	-
FT	OFF	HOF	Production Organic vegetables for better health	01	01	30	8	-	5	-	-	-	17	-
FT	OFF	SFM	Importance & use of Liquid Bio fertilizer in Field crops	01	01	25	8	-	3	-	-	-	14	-

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FW	OFF	SFM	Soil Fertilizer Management through composting	01	01	25	-	3	-	6	-	6	-	10
FW	OFF	SFM	Importance of Soil Testing & collection of Soil sample	01	01	25	-	2	-	2	-	-	-	21
FT	OFF	SFM	INM in Soybean –Wheat cropping System	01	01	25	3	-	2	-	-	-	20	-
FT	OFF	SFM	Micro Nutrient Deficiency symptom & Management	01	01	25	2	-	-	-	-	-	23	-
FT	OFF	PLP	IPM in Soybean Crop for the Management of Girdle beetle & Leaf Defoliators.	02	02	25	3	-	-	5	-	-	22	-
FW	OFF	PLP	Nursery management in vegetable crop	01	01	25	-	4	-	2	-	2	17	-
FT	OFF	PLP	Plant protection measures in kharif vegetable	04	01	25	2	-	1	-	1	-	21	-
FT	OFF	PLP	Importance & method of seed treatment	01	01	25	2	-	1	-	1	-	21	-
FT	OFF	PLP	Importance & use of bio / botanical pesticide in vegetable crops	03	01	25	2	-	2	-	2	-	19	-
FW	OFF	PLP	Management of store grain pest	01	01	25	-	2	-	2	-	1	-	20
FW	OFF	LPM	Feeding Management of Animals	01	02	25	-	-	-	-	-	-	25	-
FT	OFF	LPM	Calf Mortality Management	01	02	25	-	2	-	-	-	-	23	-
FW	OFF	LPM	Parasite Management in Animals	01	02	25	-	3	-	-	-	-	22	-
FT	OFF	LPM	Mastitis Management in Animals	01	02	25	-	-	-	-	-	-	25	-
FW	OFF	LPM	Back Yard Poultry	01	02	25	-	25	-	-	-	-	-	-
FT	OFF	LPM	Disease Management of Animals	01	02	25	-	-	-	-	-	-	25	-
FW	OFF	LPM	Deworming of Animals	01	02	25	2	-	5	-	-	-	18	-
FW	OFF	LPM	Clean Milk Production	01	02	25	-	-	-	4	-	-	-	21

Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
							General		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
FT	OFF	CBD	Role of group approach in farming community	01	01	25	5	-	2	-	1	-	17	-
FW	OFF	CBD	Importance of Sanitation	01	01	25	-	5	-	-	-	-	-	20
FT	OFF	CBD	Group formation & its importance	01	01	25	10	-	2	-	2	-	11	-
FW	OFF	CBD	Non conventional energy sources	01	01	25	5	-	5	-	2	-	13	-
FW	OFF	CBD	Custom Hiring Centre	01	01	25	8	-	5	-	1	-	12	-
FW	OFF	WOE	Embellishment of cloth	01	05	20	-	5	-	5	-	2	-	8
FW	OFF	WOE	Making paper bag and Cloth bag	01	02	20	-	4	-	3	-	2	-	11
FW	OFF	WOE	Awareness programme on health & Hygiene	01	02	20	-	4	-	3	-	2	-	11
FW	OFF	WOE	Preservation of seasonal fruits & vegetables	01	01	20	-	-	-	5	-	-	-	15
RY	OFF	CMP	Calculation of Herbicide dose & its preparation	01	01	25	-	-	-	-	5	-	20	-
RY	OFF	PLP	Management of gram pod borer in chickpea	01	01	25	2	-	1	-	1	-	21	-
RY	OFF	PLP	IPM in Chilli Crops	01	01	25	2	-	2	-	1	-	20	-
RY	OFF	PLP	Management of Gram Pod Borer in Chickpea	01	01	25	2	-	1	-	1	-	21	-
RY	OFF	PLP	IPM module in soybean, Pigeon pea & Maize crop	03	01	25	2	-	2	-	1	-	20	-
RY	OFF	SFM	Organic farming	01	01	25	5	-	2	-	8	-	10	-
RY	OFF	WOE	Dress designing & Tailoring	01	02	25	-	5	-	5	-	2	-	13
RY	OFF	WOE	Fruits & Vegetable's Preservation and Storage	01	02	25	-	5	-	5	-	1	-	19
RY	OFF	WOE	Awareness programme on health and sanitation	01	02	25	-	5	-	5	-	4	-	16

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Seed production & marketing	Field crops	CMP	05	2	-	-	-	8	-
Operation of Custom Hiring centers	Enterprise	Farm Mechanization	05	2	-	-	-	8	-
Establishment of High- tech Nursery	Fruit/Vegetable/Ornamental	Income generation	05	3	-	2	-	5	-
High Tech Horticulture	Enterprises – Vegetable	Income generation	05	4	-	2	-	9	-
Organic farming	Enterprises	SFM	05	2	-	1	-	7	-
Vermi composting	Enterprises	SFM	05	1	-	2	-	7	-
Plant clinic	Enterprises – Plant clinic	PLP	05	1	-	1	-	6	-
Bee Keeping	Enterprises – Honey bee	Income Generation	05	1	-	1	-	11	-
Mushroom Production Technology	Enterprises- Mushroom production	Income Generation	05	1	-	1	-	11	-
Dairy management	Enterprises – Dairy	LPM	05	4	-	-	-	6	-
Goarty Management	Enterprises – Goatry	LPM	05	-	-	-	-	10	-
Value added food items , their Preservation and Storage	Enterprises	Income Generation	05	-	4	-	1	-	15
Skill development for Craft material	Enterprises	Income Generation	05	-	5	-	1	-	14

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Sehore	-	-	-	-	-

Table 5.5. Sponsored Training Programmes - As per need of Sponsoring Agency –ATMA, NAMSA, NHM, MIDH, Organic Farming etc

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members -Nil

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
						Others		SC		ST			
						M	F	M	F	M	F		
-	-	-	-	-	-	-	-	-	-	-	-	-	

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Production technology of Maize & Paddy	25							
Production technology of Soybean & Pigeon pea	25							
Calculation of Herbicide dose & its Preparation	25							
IWM in Soybean	25							
Integrated Cropping System	25							
Weed Management in Vegetable crops	17							
Repair & Maintenance of Farm Machineries	25							

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Production Technology of Rabi crops	25							
IWM in Wheat	25							
Irrigation scheduling of Wheat	25							
Production Technology of Green gram	25							
Fertilizer Use Efficiency	50							
Organic Farming	50							
Vermi Composting	20							
Fertilizer recommendation as per Soil Test Value	50							
Soil Health	40							
Round the year green fodder production	25							
Breeding management of Animals	25							
Health Management of Animals	25							
Back Yard Poultry	25							
Round the year green fodder production	25							
Parasite management in animals	25							
Management of Mastitis in milch animals	25							
Feeding management of animals	25							
Feeding management of animals	25							
Health Management of Animals	25							
Back Yard Poultry	20							
Deworming of Animals	25							
Care & Management of Animals	25							
Clean Milk Production	20							
Dairy Management	10							

Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
Poultry farming	10							
Crop Insurance	25							
Entrepreneurship development	25							
Utilization of IT in agriculture	25							

6. EXTENSION ACTIVITIES

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages
			M	F	M	F	M	F			
Field Day	27		865	90	105	15	25	15	Feedback & Popularization of Technology	Cropping System	Maturity Stage
										Plug Tray	Planting stage
										Kitchen Garden	Production Stage
										Garlic variety, G-282	Harvesting stage
										Black Plastic Mulch	Production Stage
										Production Technology of Pigeon pea	Maturity Stage
										Production Technology of Hybrid Maize	Harvesting stage
										Integrated Weed Management of	Harvesting stage

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks				
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages		
			M	F	M	F	M	F					
												Paddy	
												Demonstration of Wheat variety HI 8713 (Pusa Mangal)	Harvesting stage
												Integrated Weed Management of Wheat	Harvesting stage
												Demo. of HI-8663 for nutrimental security	Harvesting stage
												Production Technology of Green gram	Maturity Stage
												INM in Soybean-Wheat cropping system	Maturity Stage
												INM in Soybean Crop	Harvesting Stage
												Nutrient Management in Wheat crop	Harvesting Stage
												INM in Garlic Crop	Harvesting Stage
												INM in Soybean-Wheat cropping System	Maturity Stage
												IPM in Maize crop	Maturity Stage

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages
			M	F	M	F	M	F			
Kisan Ghosthi	04		134	35	35	25	11	-	Feedback & popularization of technology	Pro. Tech. of Kharif crops	Before kharif sowing
										Pro. Tech. of Rabi Crops	Before Rabi sowing
										Micro Irrigation techniques	
										Diversified Farming System	
Ex trainee Meet	04		80	15	20	5	-	-	Need assessment & feedback	Discuss about Agronomical technologies	-
										Discuss about Soil Science technologies	-
										Discuss about Animal Science technologies	-
										Discuss about Plant Protection technologies	-
Exhibition	12		920	50	200	20	50	10	Awareness	Awarenes for latest agri. Technology	-
Film Show	30		650	55	165	40	40	10	-	For Awareness	-
Method Demonstrations	10		80	7	25	2	4	2	Capacity Building	Layout of Kitchen Garden	Before sowing seed
										Filling of Plug	At the

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages
			M	F	M	F	M	F			
Group meetings	18		217	28	86	12	3	-	Need Assessment & Feedback	Nursery Management	-
										Vegetable Production	-
										Protected Cultivation	-
										Kitchen Gardening	-
									Need Assessment & Feedback	Vemi Composting	-
										Nutrient Management as per STV	-
										Nutrient Management as per STV	-
										Soil Health Management	-
									For training Selection	Conservation Agriculture	-
										Seed Production	-
										Farm Mechanization	-
										Weed Management	-
										ICM	-
										Plant Protection	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages
			M	F	M	F	M	F			
									Need Assessment & feedback	Goat Farming	-
										Dairy Management	-
										IPM in Kharif Crop	
										IPM in Rabi Crop	
Lectures delivered as resource persons	80		800	75	150	50	60	10	As per programme	Agronomical-Different	-
Newspaper coverage	100		Mass						Mass dissemination	Important activities-	-
Radio talks	08		Mass						Mass dissemination	Seasonal	-
TV talks	16		Mass						Mass dissemination	Seasonal	-
Popular Articles	06		Mass						-	Production Technology of Pigeon pea & Profitability of Zero tillage seed cum fertilizer drill machine in wheat- Paddy cropping system	
Extension Literature	08		Mass						-	Soil Testing, INM in Kharif, Rabi crops, Soybean-Wheat cropping system	
Farm Advisory Services	60		Mass						-	-	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages
			M	F	M	F	M	F			
Scientific visit to farmers field	168		950	125	250	105	40	15	-	-	-
Farmers Visit to KVK	4000		3100	200	400	100	180	20	-	-	-
Diagnostic Visits	12		125	10	15	5	4	2	-	-	-
Exposure Visits	02		30	5	15	5	0	0	-	-	-
Parthenium Awareness Day	01		20	10	5	5	-	-	Awareness	Parthenium management	-
Soil Health Camp	01		50	-	-	-	-	-	-	Management & Dealing with clients	
World Soil Health Day	01		1000	-	-	-	-	-	-	Soil Health	-
Animal Health Camp	04		120	-	40	-	08	-	Check the disease	Animal Health Camp	-
Celebration of important days	06		110	70	30	35	10	02	Awareness Programme	World Women Day, World Environment day, World water Day Kisan Diwas, World Food Day, World Soil Health Day	-
Technological week	01		320	-	50	-	10	-	-	Awareness about the agriculture latest technologies	-
Awareness programme – Clean India Campaign, PMFBY, PMKSY & Parthenium awareness, WDRA	04		750	35	150	25	30	10	-	Awareness Programme	-
Awareness programme of	01		100	15	15	10	4	2	Awareness	Protection of	-

Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
			Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic's	Crop Stages
			M	F	M	F	M	F			
PPV&FRA									Programme	plant variety	
FPOs Meeting	01		-	-	-	-	-	-	Capacity Building	Management & dealing with clients	-

7. Production and supply of Technological products

7.1 SEED production

Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Cereals	Wheat	Pusa Malviy (HD- 4728)	SD	45	Qtl.	112500.00	40
		Pusa Ujala (HI-1605)	SD	45	Qtl.	112500.00	40
		Pusa Mangal (HI-8713)	SD	15	Qtl.	37500.0	15
		Pusa Tejas (HI-8757)	SD	45	Qtl.	112500.00	40
Pulses	Pigeon pea	TJT 501	SD	04	Qtl	32000.00	40
	Chick pea	RVG 202	SD	20	Qtl	160000.00	35
		JAKI9218	SD	20	Qtl	160000.00	40
Oil seeds	Soybean	JS-2034	SD	15	Qtl	90000.00	30
		JS-2029	SD	15	Qtl	90000.00	30
Spice	Garlic	G-282	T/L (SD)	30	Qtl	150000.00	50
	Ginger	Shurabhi & Suprabha	T/L (SD)	05	Qtl	15000	10

7.2 Planting Material production

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Fruit	Drumstick	15-25 May	25-30 June	-	PMK-1	Seedlings	2500	15000	37500	-
	Papaya	15-25 May	15 July	-	Vinayak Hybrid	Seedlings	2000	15000	40000	-
	Guava	Gooti (July)	Sept.	-	Lalit	Seedlings	100	2000	3000	-
					Shweta	Seedlings	100	2000	3000	-
Lemon	Gooti (July)	Sept.	-	Seedless	Seedlings	100	1500	3000	-	
Vegetable	Chilli	June & Sept.	July –Oct.	-	Hybrid	Seedlings	5000	5000	10000	-
	Brinjal	June & Sept.	July –Oct.	-	Hybrid	Seedlings	5000	5000	10000	-
	Tomato	June & Sept.	July –Oct.	-	Hybrid	Seedlings	5000	5000	10000	-
	Onion	June & Sept.	July –Oct.	-	Bheema Supper	Seedlings	5000	5000	10000	-
Flower	Marigold	June	July	-	Hybrid	Seedlings	5000	5000	10000	-
	Gladiolus	October	Feb.	-	Hybrid	Seedlings	500	500	1500	-

7.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Name of the Product	Qty	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
Vermi Compost	80 Ton	160000.00	205000.00	Use at KVK Instructional Farm 80 Ton & 05 ton sale @ 2000/- per ton, 300 kg. Earth warms sale @ 150/- kg.
NADEP Compost	24 ton	30000.00	30000.00	Recycle of Farm waste material & use at KVK Instructional Farm
Vermi wash	400 Lit.	8000.00	8000.00	Use at KVK Instructional Farm

7.4 Livestock and fisheries production

Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Cattle	Gir	Heifers	14 No	48000.00	160000	- Approximate value of heifers after one year – Rs 550000.00
		Cow dung	70.5 Ton	56000	-	
Others (Specify)	Rohu & Catla, caman carp	Finger lings	6.0 Lakh	109200	120000	

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : March, 2012

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Sehore	Soil Sample	5000	5000	80	-	-
Sehore	Water Sample	-	-	-	-	-

9. Rainwater Harvesting, if available. - Not Available

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
				Male	Female	Total	Male	Female	Total
-	-	-	-	-	-	-	-	-	-

10. Kisan Mobile Advisory (KVK-KMA)

No. of messages to be sent	No. of beneficiaries		Major recommendations
	Farmers	Ext. Pers.	
60	45000	400	फल वृक्षारोपण हेतु गढडे खुदाई हेतु उपयुक्त समय है, वडे वृक्षों हेतु 3ग3ग3 फिट व छोटे वृक्षों हेतु 2ग2ग2 आकार के गढडे खोदे। खरीफ प्याज हेतु रोपणी तैयार करें। क्यारी भूमि से 4 इंच ऊपरी उठी

			हुई बनायें।
			खेतों से अतिरिक्त जल निकासी करते रहें।
			सब्जियों में समन्वित रोग व कीट प्रबन्धन तकनीकी को अपनायें।
			टमाटर की उन्नत प्रजातियों अर्का सम्राट, अर्का रक्षक का उपयोग करें।
			किसान भाई प्लास्टिक मल्व तकनीकी से करें सब्जियों का उत्पादन
			लहसुन की बिजाई हेतु उन्नत प्रजाति जी. 282 का उपयोग करें।
			अमरूद के पौधों में नियमित सिंचाई करते रहें फल मक्खी के बचाव हेतु प्रपंच (ट्रेप) का उपयोग करें।
			सब्जियों नये फल वृक्षों को पाले से बचाव हेतु नियमित सिंचाई करते रहें एवं खेत के चारों ओर धुआँ करें।
			लहसुन फसल में पत्तियों मुड़ने की समस्या होती है। अतः इमिडाक्लोरोप्रिड 17.8 एस. एल. की 100 मिली. मात्रा प्रति एकड़ से छिड़काव करें।
			ग्रीष्म कालीन भिण्डी बुवाई हेतु उपयुक्त समय है बिजाई पूर्व बीजोपचार अवश्य करें।
			बैंगन व भिण्डी में तना व फल भेदक कीट के बचाव हेतु ट्रायजोफॉस 400 मिली. दवा का छिड़काव करें।
			मृदा परीक्षण के लिए नमूना लेने का उपयुक्त समय है, मृदा परीक्षण हेतु ग्रा. कृ. वि. अधिकारी से सम्पर्क करें।
			सोयाबीन फसल में मृदा परीक्षण के आधार पर एन. पी. के. व सल्फर 20:60:20:20 किग्रा./है. से उपयोग करें।
			धान फसल में मृदा परीक्षण के आधार पर एन. पी. के. व जिंक 120:60:40:5.25 किग्रा./है. से उपयोग करें।
			सोयाबीन फसल की बढ़वार प्रभावित होने पर एन. पी. के. 19:19:19 01 किग्रा./एकड़ की दर से उपयोग करें।
			मक्का फसल में वृद्धि की अवस्था पर 02 से 3 बार यूरिया का उपयोग करें।
			चना फसल में मृदा परीक्षण के आधार पर एन. पी. के. 20:60:20 किग्रा./है0 की दर से उपयोग करें।
			अर्ध सिंचित गेहूँ में मृदा परीक्षण के आधार पर एन. पी. के. व जिंक 80:60:30:5.25 किग्रा./है. की दर से उपयोग करें।
			सिंचित गेहूँ में मृदा परीक्षण के आधार पर एन. पी. के. व जिंक 120:60:40:5.25 किग्रा./है. की दर से उपयोग करें।
			गेहूँ फसल में यूरिया की 30 –40 प्रति. मात्रा प्रथम कर सिंचाई के समय व शेष मात्रा का उपयोग द्वितीय सिंचाई के समय करें।
			लहसुन फसल में 15 टन कम्पोस्ट के साथ एन. पी. के. व एस. 75:40:40:40 किग्रा./है. की दर से उपयोग करें।
			लहसुन व प्याज फसल में 30–35 दिन की अवस्था में एन. पी. के.

			<p>19:19:19 का पर्णिय छिडकाव 01 किग्रा./एकड की दर से करें।</p> <p>मूंग फसल में मृदा परीक्षण के आधार पर एन. पी. के. 20:60:20 किग्रा./है. की दर से उपयोग करें।</p> <p>लहसुन व प्याज की 60 –70 दिन अवस्था में एन. पी. के. 0:52:34 01 किग्रा./एकड की दर से उपयोग करें।</p> <p>किसान भाई मई – जून माह में एम. बी. प्लाऊ द्वारा गहरी जुताई करें।</p> <p>खरीफ फसलों की बुवाई पूर्व बीज अंकुरण परीक्षण सुनिश्चित करें।</p> <p>किसान भाई सोयाबीन की उन्नत किस्मा जे. एस. 2034, जे. एस. 2029, आर. वी. एस. 2001 –04 का उपयोग करें।</p> <p>अरहर की उन्नत किस्में टी. टी. 401, टी. जे. टी. 501 एवं प्रगति का उपयोग करें।</p> <p>सोयाबीन में खरपतवार प्रबन्धन हेतु इमेजाथापायर 10 प्रति. एस. एल. की 350 –400 मिली./एकड 200 ली. पानी में घोल बनाकर पलैट फैन नोजल से छिडकाव करें।</p> <p>धान फसल में खरपतवार प्रबन्धन हेतु बुवाई या रोपाई के समय प्रेटिलाक्लोर 6 प्रति. या मेटसल्फ्यूरोन मिथाईल 0.6 प्रति. पाउडर 10 किग्रा./एकड से उपयोग करें।</p>
60	45000	400	<p>मक्का फसल में खरपतवार प्रबन्धन हेतु एट्रजीन 50 प्रति. डब्लू पी. 600 ग्राम/एकड की दर से 200 ली. पानी के साथ बुवाई से 05 दिन की अवस्था पर छिडकाव करें।</p> <p>धान – गेहूँ फसल प्रणाली में गेहूँ की सीधी बुवाई हेतु जीरो टिल सीड कम फर्टी ड्रिल मशीन का उपयोग कर बचत करें।</p> <p>चना फसल की उन्नत किस्म आर. वी. जी. 202, जाकी 9218, जे. जी. 16, जे. जी. 14 का उपयोग करें।</p> <p>सिंचित दषा में गेहूँ की उन्नत किस्म पूसा मंगल, पूसा अनमोल, पूर्णा, पूसा तेजस का उपयोग करें।</p> <p>अर्ध सिंचित दषा में गेहूँ की उन्नत किस्में पूसा उजाला, डी. बी. डब्लू. 110, जे. डब्लू. 3288, हर्षिता का उपयोग करें।</p> <p>गेहूँ फसल में कान्तिक अवस्थाओं पर स्प्रिंकलर/फब्वारा विधि से सिंचाई करें।</p> <p>ग्रीष्मकालीन में मूंग की उन्नत किस्में टी. जे. एम. 37, हम 12, हम 16 आई. पी. 205 –3 का उपयोग करें।</p> <p>दूध निकालने से पहले पशु के थन, अयन व ग्वाले के हाथों को एंटीसेप्टिक घोल से धोयें।</p> <p>गलघोटू व लंगडा बुखार बीमारी के बचाव हेतु टीका अवष्य लगवायें।</p> <p>पशुओं को लू से बचायें, स्वच्छ पानी पिलायें तथा ठण्डे पानी से नहलायें।</p> <p>पशु ब्याने के दो घण्टे के अन्दर बछड़ों को उनके वजन का 10वें</p>

			हिस्सा खीस/चीका अवष्य पिलायें।
			पशु घरों को सूखा, मच्छर, मकखी रहित रखने के लिए फिनायल के घोल का छिडकाव करें।
			दुधारू पशुओं को दुग्ध ज्वर से बचाने के लिए 50 ग्राम खनिज मिश्रण प्रतिदिन खिलायें।
			खुरपका, मुँहपका बीमारी से बचाने के लिए टीकाकरण अवष्य करायें।
			पशुओं को अन्तः परजीवी नाषक दवा पशु चिकित्सक की सलाह से वर्ष में तीन बार चार माह के अन्तराल पर अवष्य पिलायें।
			गर्भित पशुओं को संतुलित आहार तथा खनिज मिश्रण में फास्फोरस की मात्रा बढ़ायें।
			थनेला रोग के बचाव के लिए पशुओं के ब्याने के दो माह पूर्व से विटामिन ई व सेलिनियम पाउडर 02 ग्राम/दिन खिलायें।
			खुरपका, मुँहपका बीमारी से बचाने के लिए टीकाकरण अवष्य करायें।

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sehore	June, 2018	30	
Sehore	October, 2018	30	

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Sehore	September, 2008	Quarterly	4000	4000

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Sehore	CD	Integrated Nutrient Management in Garlic crop	10
Sehore	CD	Integrated Farming System	10

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	04	September, 2018	Zero tillage in wheat under Paddy wheat cropping system	Mr. Devendra Patil	-
		Dec., 2018	Balance feeding with Azolla	-	-

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
		Dec., 2018	Parasite management		-
		July, 2018	Vermi composting	Mr. Sandeep Todwal	-
Technical reports	02	Oct., 2018	Cluster demonstration of Soybean	Sri J. K. Kanaujia	05
		March, 2019	Cluster demonstration of chickpea		05
		March, 2019	NFL, Bhopal		05
Technical Bulletin	02	Jan. 2019	mUur i'kqiky	-	05
Popular article	12	June, 20 18	Integrated weed management in soybean crop	Mr. Devendra Patil	-
		June, 20 18	Integrated weed management in Paddy crop		-
		October, 2018	Zero tillage in wheat under Paddy wheat cropping system		-
		July, 2018	Nursery management in tomato	Sri J. K. Kanaujia	-
		July, 2018	Management of leaf curl disease in tomato		-
		February, 2019	INM in Soybean- Wheat cropping system	Mr. Sandeep Todwal	-
		Oct. 2018	Vermi Composting		-
		May to Dec. 18	Information sources for Agriculture		-
News paper coverage	100	Regular	-	All Scientists	-
Year Planner	01	May, 2018	Annual planning of KVK activities	All Scientist	50
Case study	03	July, 2018	INM in Soybean- Wheat cropping System	Sri J. K. Kanaujia	-
		Dec. 2018	KVK Intervention in adopted village ,Bichhia		-
		Dec. 2018	INM in Soybean- Wheat cropping system	Mr. S.Todwal	-
Success story	09	Oct, 2018	Practicing Conservation agriculture		05
		Jan. 2019	Parasite Management		05
		Jan. 2019	Calf Management		05
		Nov. 2018	Vermi Composting	Mr. Sandeep Todwal	-
		Sept. 2018	INM in Garlic		-
		Feb. 2019	Plastic Mulch	Sri J. K. Kanaujia	-

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
		August- 2018	Plug Tray		-
		November- 2018	Kitchen Gardening		-
Feb. 2019	Group Approach		-		
Impact Assessment	01	June & Oct. 2018	Impact of KVK Activities among the Adopted Village	All Scientist	-

13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Sehore	ATMA	Farmer Welfare & Agriculture Development, Dept.	-	Revalidation of Technology	District Level	-
Sehore	NHM	Department of Horticulture	-	Capacity Building	District	-
Sehore	SHC	Farmer Welfare & Agriculture Development, Dept.	-	Soil testing & develop the SHC card	District	-
Sehore	WDRA	WDRA, New Delhi	-	Capacity Building & Awareness	District Level	-

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): 40 Bed

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
-	-	-	-	-	-	-

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Sehore	2010-11	2010-11	06	02	-

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1	Sehore	YES	ZPD & DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Sehore	Crop Cafeteria	Area 0.5 ha, Displayed seasonal crop varieties, technologies like IPM, INM, IWM, SRI etc, collection of fruit varieties etc.
Sehore	Technology Desk	Not available
Sehore	Visitors Gallery	Established in administrative building where displayed latest technologies photographs of various activities, literature, poster live sample etc
Sehore	Technology Exhibition	A set of technology exhibition to be maintain by the KVK
Sehore	Technology Gate-Valve	Seeds, seedlings, Earth worms, KVK literature is being provided to farmers

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria (No of activity)
A	Kharif	
1	Varietal demonstration in field crop	
	➤ Soybean	08
	➤ Pigeon pea	04
	➤ Maize	05
	➤ Green Gram	03
	➤ Black gram	03
	➤ Paddy	04
2	Technologies demonstrated - BBF, IPM, INM, Darwad Method, FIRBS, IWM, Intercropping for rainfed areas as well as irrigated condition ect.	Each of One
3	Vegetable (Hybrid)	
	Cow pea	01

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria (No of activity)
	Okra	01
	Chilli	03
	Cauliflower	01
	Tomato	01
	Brinjal	01
4	Flowering plants	
	Marigold	01
B	Rabi	
1	Varietal demonstration in field crop	
	➤ Chick pea	10
	➤ Wheat	19
	➤ Linseed	02
	➤ Lentil	01
	➤ Mustard	01
	➤ Safflower	01
	➤ Green Gram	03
	➤ Black Gram	03
	➤ Summer Deep Ploughing	01
2	Technologies demonstrated - INM, IPM, Seed treatment of chickpea through Ammonium molibdate, Intercropping (Chickpea + Wheat)	Each of one
3	Vegetable (Hybrid)	
	➤ Chilli	01
	➤ Vegetable pea	01
	➤ Onion	03
	➤ Garlic	03
	➤ Cauliflower	01
	➤ Brinjal	01
	➤ Tomato	01
	➤ Spinach	01
	➤ Coriander	01
4	Flower plants	

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria (No of activity)
	➤ Gladiolus	01

Status of KVK Agro Technological Park

KVK Sehore have initiated to develop an Agro Technology park for further extension of need based and location specific technologies among farmer on the concept of believing by seen Present status and proposed plan of ATP is given as under –

SN	Name of component	present status	proposed plan during XII plan	Remark
1	Crop cafeteria			
	(i) Season Crops	<ul style="list-style-type: none"> - Display of seasonal crop varieties – cereal, oilseed & pulses released by research institution and assessed by KVK. - Display of INM, IPM modules of various crop. - Medicinal and aromatic plant. - Kitchen garden. - Best practices of vegetable growing. 		
	(ii) Fruits crops	<ul style="list-style-type: none"> - Fruit plantation based on improved technology. - Guava- lalit, sweta, A-safeda, L-49 - Mango- var. Ambica, Dashehri -51, Amrapali, mallika. High density orcharding. - Aonla- variety NA-7, chakaiya. - Mandrin var.- Nagpur, Arakta - Pomagranet – Bhagwa, Arakata - Custard apple- Var. Arka 	<ul style="list-style-type: none"> - Medew orcharding -0.4 ha -Best practices- 0.4 ha -Best practices- 0.4 ha -Best practices- 0.4 ha 	
	(iii) Water Management	<ul style="list-style-type: none"> - Drip irrigation – 2.5 ha for fruit crop - Sprinkler – 1.0 set 	<ul style="list-style-type: none"> Drip irrigation for vegetable – 0.4 ha Micro sprinkler set- 0.4 ha 	
	(iv) soil & water conservation	<ul style="list-style-type: none"> - Bunding - cully plugging - Baldu checks - Farm Pond - Dug well recharge 	<ul style="list-style-type: none"> Farm pond – 1.0 ha 	

SN	Name of component	present status	proposed plan during XII plan	Remark
	(v) Horticulture	- -	small- 0.4 ha	
2.	Technology park	- Not Available	Not Required	
3.	Visitors Gallery	<ul style="list-style-type: none"> - Display of technologies assessed by KVK. - Sample of seasonal crop varieties. - Action photographs of KVK Activities - Display progressive farmer awarded . - Display of success story and case studies. - Display of seasonal fruits & vegetable - Display of craft prepared by KVK trainees. 	<p>Required display material for further improvement</p> <p>1) electronic display screen</p>	
4.	Technology Exhibition	<ul style="list-style-type: none"> - Latest farm tools & implements. - Production of organic inputs. - Watershed management - Agro metrology observatory 	<ul style="list-style-type: none"> - Further improvement - 2.0 - Further improvement- 0.5 - processing unit (seed) – 3.0 - processing unit (Millry of rice ,flour, pulse) - Dairying unit small -1.0 - Back yard Poultry - 0 - Buter rearing - Bee keeping – - Mushroom production - Sericulture - .25 - non conventional energy – 1.0 - Wise water management unit- - integrated farming system model- crop + poultry +fish- 0.5 - Bio diversity conservation – 0.5 	
5.	Technology Gate vole -	<ul style="list-style-type: none"> - Providing following materials to the farmers/visitors. - Seeds of new verities. - Seedling of vegetables. - Earth warms. 	Further improvement are required to provide technological inputs through KVK gate valve. It will require Rs.25000.00 Annam.	

SN	Name of component	present status	proposed plan during XII plan	Remark
		<ul style="list-style-type: none"> - Vermi compost. - Planting material for fodder. - CD's of technology - K.V.K. literature. - News letter. 		

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Mr. Gajraj Verma	Organic Farming	Village – Kulans, Block- Sehore, Distt- Sehore (M.P.), Mo. No. - 9826075892
2	Mr. Manoj Patel	Production of Flowers round the year	Village- Bachgon, Block – Nasrullaganj, Distt- Sehore (M.P.) Mo. No. 9770745006
3	Mr Tarun Yadav	Design Power sprayer	Village – Matthagaon, Block – Budani, District – Sehore (M.P.) Mo No - 9098099678
4	Mr. Indar Singh Parmar	Locally made yellow sticky trap	Village- Kilerama, Block –Asta, District- Sehore (M.P.) Mo. No. – 9977210451
5	Mr. Dinesh Parmar	Conservation agriculture	Village- Kilerama, Block –Asta, District- Sehore (M.P.) Mo. No. – 9977730891
6	Mr. Kamal Verma	Introduce new cash cropKalounji	Village- Khamkheda, Block- Asta, District- Sehore (M.P.) Mo. No. – 9826444562
7	Sri- Kanhaiyalal	Use of botanical pesticide	Vill. – Amajhir, Block – sehore, Distt- Sehore (M.P.), Mo. No. 9770061007
8	Mr. Anil Kumar Verma	Integrated Farmin System	Village- Bafapur, Post- Mugali, Block- Asta, District- Sehore , Mo. No. – 9203003598
9	Mr. Arjun Singh	Organic Farming	Village – Shyampur, Block- Nasrullaganj, District – Sehore (M.P.) Mo.No – 9753593156
10	Mr. Kripal Singh Dangi	Agri- Horti System	Village- - Bichhia, Block- Sehore, District- Sehore, Mo. No. – 8889512736

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	22-08-2018	50
2	23-01-2019	50

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Sehore	05	05	16	1049

Intensive- OFTS, FLDS etc; **Extensive-** Literatures, Publications and Awareness programmes etc.

20. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt
1.	-	-	-	-

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Shajapur	Seed, Farm Machinery & Technology	
2	Rajgarh	Seed, Farm Machinery & Technology	

22. Important visitors to KVK – 10 Nos.

Name of KVK	Name of Visitor	Date of Visit	Remarks
Sehore	-	-	-

23. Status of KVK Website: www.kvksehore.nic.in

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Sehore	2015	04 times	

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals
1.	Sehore		

25. E-CONNECTIVITY (ERNET Lab) - NA

Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Sehore	Exposure Visit	02	40	Latest Farm Machineries visits
Sehore	Extraineer Meet	01	30	Interacted to Farmer for feedback of Technology
Sehore	Farmer & Farm Women Training	01	30	Farm Women Training
Sehore	Field Day	03	120	INM in Soybean, Maize, Vegetable crops
Sehore	Kisan Sangoshthi	01	40	Production of Kharif Crop
Sehore	Interface	01	40	Production Technology of Kharif Crops
Sehore	Clean India Awareness Programme	01	50	Sanitation & Cleaning
	Total number of farmers visited the technology week	10	380	-

27. INTERVENTIONS ON DROUGHT MITIGATION - NA

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-	-

Major area coverage under alternate crops/varieties

Sl.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
		Oilseeds		
		Total		

Farmers-scientists interaction on livestock management

Sl.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	SEHORE	Dairy Management	-	-
2	SEHORE	Disease management	-	-
3	SEHORE	Feed and fodder technology	-	-
4	SEHORE	Poultry management	-	-

Animal health camps to be organized

Name of KVK	Number of camps	No. of animals	No. of farmers

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
-	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
-	-	-	-	-

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Sehore	-	-	-	-

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-	-

Awareness Campaign

Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

28. Proposal of NICRA - NA

29. Proposed works under NAIP (in NAIP monitoring format) – NA

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
SEHORE	10637865071	178051.00	505055.00	505055.00

31. Awards & Recognitions

KVK Name	Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Sehore	Mahindra Samradhi Awards	Farmer		
Sehore	Pandit Deen Dayal Upadgyay Antyodaya Krishi Purshkar Awards	Farmer		
Sehore	Atal Rashtriya Krishi Vigyan Protshahan Purskar (National/Zonal) Awards	Institutional		
Sehore	ATMA Award (Best Farmer Award at Block Level)	Farmer		
Sehore	ATMA Award	Farmer		
Sehore	Gopal Purshkar	Farmer		
Sehore	ATMA Award (Block Level)	Group		

32. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Sehore	09	03