

ANNUAL ACTION PLAN

NGO & ICAR KVKs

2017-18



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

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KVK, Bhopal

PERIOD – April 2017 to March, 2018

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	105			
FLDs – Oilseeds (activity in ha)	8.0	20			
FLDs – Pulses (activity in ha)	5.0	10			
FLDs – Cotton (activity in ha)	-	*			
FLDs – Other than Oilseed and pulse crops(activity in ha)	15	50			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	11	125			
Training-Farmers and farm women	29	540			
Training-Rural youths	9	145			
Training- Extension functionaries	4	80			
Extension Activities	23	2300			
Seed Production (Number of activity as seeds in quintal)	-	-			
Planting material ((Number of activity as quantity of planting material in quintal)					
Seedling Production (Number of activity as number of seedlings in numbers)onion,tomato , Brinjal etc	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)	300	5055			
SAC Meeting (Date & no. of core/ official members)	2	50			
Literature to be Developed/Published					
News letter	3				
CD	2	1500			
Technical bulletin	1				
Publication	14				

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	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	10	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				
Status of KVK Website	-	-			
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	1	650			
Interventions on Drought Mitigation	6	300			
Proposal of NAIP	-	-			
Proposal of NICRA	-	-			

1. GENERAL INFORMATION

1.1. Staff Position (as on date 1/04/2017)

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Programme Coordinator	Dr. Umesh Chandra Dubey	Agril. Engg	Ph.D.	Farm Machinery	37400-67000 GP - 10000	54670	02.06.11 to 15-12-2016	Permanent	Gen.
Programme Coordinator	Dr. U.R. Badegaonkar	Agril. Engg	Ph.D.	Farm Machinery	37400-67000	57600	16-12-2016	Permanent	Gen.

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
					GP - 10000				
Subject Matter Specialist1	Vacant	Agril. Engg							
Subject Matter Specialist2	Sh. R. S. Yadav	Horticulture	M. Sc.	Horticulture	15600-39100 GP - 6600	23960	25.01.88	Permanent	OBC
Subject Matter Specialist3	Smt. S. K. Bharti	Home Science	M.H.Sc.	Home Sci.	15600-39100 GP - 5400	23160	10.07.90	Permanent	ST
Subject Matter Specialist4	Sh. R. D. Soni	Agronomy	M.Sc	Agronomy	15600-39100 GP - 5400	23780	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	9300-34800 GP - 4200	12810	22.12.87	Permanent	OBC
Programme assistant									
Computer Programmer	Vacant	Administrative							
Accountant / Superint.									
Stenographer									
Driver	R.BalaMurugan	Driver	Diploma	Automobile	9300-34800	11030		permanent	OBC
Driver									
Supporting staff	C.S.P.Verma	-	10 th	-	5200-20200	7950		Permanent	OBC
Supporting staff	Sh. Phool Singh	Peon	8 th	-	5200-20200	7950		Permanent	Gen

**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 are the main erosion contributing areas.

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
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 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

1.3. DETAILS OF ADOPTED VILLAGES during 1.4.2017 to 31.3.2018 (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)
Naronha-Sakal	2017-18	Phanda	19	1250	105
Kulor (Veg. Village)	2017-18	Berasia	55	675	60

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Chanderi	2017-18	Berasia	30	880	95
Tarawali Kalan	2017-18	Berasia	35	1212	57
Khajuri-Ratatal (Veg. Village)	2017-18	Phanda	25	1780	122
Barkhedi-Abdullah	2017-18	Phanda	35	905	92
Mubarakpur	2017-18	Phanda	17	1526	114

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

THRUST AREA
1. Farm Mechanization
2. Entrepreneurship Development for Economical Security
3. IPM
4. IPNM
5. Crop Diversification and Rainfed Horticulture
6. Seed Replacement
7. Post-harvest technology and value addition
8. Conservation Agriculture
9. Food and nutritional security
10. Skill Development

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 	<ol style="list-style-type: none"> 1. Communication with local farmers in field Day programmes, Melas etc. 2. State government organizations in extension activities. 3. Feedback from Progressive farmers 	Naronha-Sakal, Chanderi, Barkhedi-Abdullah, Mubarakpur
<ul style="list-style-type: none"> • Straw Burning • Seed Replacement • Inadequate and imbalanced use of plant nutrients. • High incidence of pests and diseases • Non-optimal geometry and plant population 	<ol style="list-style-type: none"> 1. Interactions with farmers while Scientist visit to farmer's fields. 2. Scientific Advisory Meeting 3. Interaction while trainings to SADO, RAEOs of villages. 	Naronha-Sakal, Chanderi, Barkhedi-Abdullah, Tarawali
<ul style="list-style-type: none"> • Delayed harvesting • Storage Losses • Poor and in-efficient water management • Heavy weed infestation 	<ol style="list-style-type: none"> 1. Communication with local farmers in field Day programmes. 2. Scientific Advisory Meeting 3. Interaction while trainings to SADO, RAEOs of villages. 	Naronha-Sakal, Chanderi, Barkhedi-Abdullah, Mubarakpur
<ul style="list-style-type: none"> • Decrease in use of organic resources • Depletion of ground water resources leading to poor 	<ol style="list-style-type: none"> 1. Communication with local farmers in field Day programmes. 	Naronha-Sakal, Mubarakpur

Problem identified	Methods of problem identification	Location Name of Village & Block
irrigation potential	2. Scientific Advisory Meeting 3. Interaction while trainings to SADO, RAEOs of villages.	
Indiscriminate /excess use of chemical pesticide in okra for control of fruit and shoot borer	Farmers meeting Feedback from Progressive farmers	Kulor
Indiscriminate /excess use of chemical pesticide in sponge gourd for control of fruit fly	PRA techniques/Farmers meeting	Khajuri-Ratatal
Low yield of coriander due to wilt	PRA techniques/farmers meeting	Tarawali
Low yield of onion due to use of old variety/own grown seed	Farmers meeting Feedback from Progressive farmers	Khajuri-Ratatal

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	T2	T- 3	T1	T2
Kharif 2017	Low Production & Productivity due to poor drainage	Assessment	FM	Soybean	Rain fed	2.5	5	Assessment of T.O. Raise bed planter for soybean					
Kharif2017	Low yield	Assessment	18	Maize	Irrigated	2.5	5	Assessment of Inclined plate planter					
Rabi 2017	Poor Soil Organic status, Straw Burning	Assessment	18	Wheat	Irrigated	2.5	5	Assessment of Zero-Till Drill for Heavy Residue Conditions(For Wheat Sowing in Paddy Straw)					
Kharif 2017	Low yield of Soybean due to use of old	Assessment	VE	Soybean	Rain fed	4.0	10	Assessment of Soybean variety RVS-2001-4/ 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	T2	T- 3	T1	T2
	variety							Vertisol					
Rabi2017-18	Low Productivity	Assessment	18	Gram	Irrigated	2.5	5	Assessment of Inclined plate planter					
Rabi 2017-18	Low yield of wheat crop due to use of local seed	Assessment	VE	Wheat	Irrigated	5.0	10	Assessment of wheat-variety MP-1203 under irrigated condition					
Rabi 2017-18	Low yield of gram due wilt infestation	Assessment	VE	Gram	Rain-fed	5.0	10	Assessment of management of wilt in gram					
Kharif (2017)	Indiscriminate /excess use of chemical pesticide in okra for control of fruit and shoot borer	Assessment	21	Okra	Irrigated	4.0 ha	10	Assessment of IPM for control of fruit and shoot borer in okra					
Kharif (2017)	Indiscriminate /excess use of chemical pesticide in sponge gourd for control of fruit fly	Assessment	21	Sponge gourd	Irrigated	4.0 ha	10	Assessment of IPM for control of fruit fly in sponge gourd					
Rabi (2017-18)	Low yield of coriander due to wilt	Assessment	21	Coriander	Semi irrigated	4.00 ha	10	Assessment of wilt management in coriander					
Rabi	Low yield of	Assessment	21	Onion	Irrigated	2.0	10	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	T2	T- 3	T1	T2
(2017)	onion due to use of old variety/own grown seed							Onion variety NHRDF-Red-3					
Kharif	Traditional method of post harvest processing	Assessment	WOE	Veg/Fruit	Semi irrigated	5	05	Assessment of Veg/Fruit grader for grading of Onion/Tomato					
Kharif season	Traditional method of post harvest processing	Assessment	WOE	Veg/Fruit	Semi irrigated	5	05	Assessment of Solar Dryer for Drying of Vegetables					
Rabi season	Low efficiency & high drudgery of farm women	Assessment	WOE	Manual rotary dibbler for drudgery reduction of farm women.	Irrigated	05	05	Assessment of manual rotary dibbler for drudgery reduction of farm women.					

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of T.O Raised bed planter for soybean		
Assessment of Inclined plate planter (For Maize & Gram)		
Assessment of Zero-Till Drill for Heavy Residue Conditions(For Wheat Sowing in Paddy Straw)		
Assessment of Soybean variety R.V.S. 2001-4 in Vertisol Soil		
Assessment of wheat-MP-1203 under irrigated late sown condition		
Assessment gram (wilt resistant variety – JG-16) under rain fed condition		

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of IPM for control of fruit and shoot borer in Okra(Pheromone trap with leur + NSKE 5% + Quinolphos 0.05%)		
Assessment of IPM for control of fruit fly in sponge gourd(Pheromone trap 10with leur/ha +NSKE 5% + need based spray of malathion)		
Assessment of wilt management in coriander (T-1 No seed treatment T-2 Tricoderma T-3 Thirum+carbendazim		
Assessment of onion variety NHRDF-Red-3(T-1 FP- Pusa Red T-2-AFLR T-3 –NHRDF-Red-3)		
Assessment of powerless Veg/Fruit grader for testing of germination		
Assessment of Solar Cabinet Dryer		
Assessment of manual rotary dibbler for drudgery reduction of farm women		

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 T.O. Raised bed planter for soybean												
Assessment of Inclined plate planter												
Assessment of Zero-Till Drill for Heavy Residue Conditions(For Wheat Sowing in Paddy Straw)												
Assessment of Soybean variety RVS-2001-4 in Vertisol												
Assessment of Inclined plate planter												
Assessment of wheat-variety MP-1203 under irrigated condition												
Assessment of management of wilt in gram												

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 IPM for control of fruit and shoot borer in okra												
Assessment of IPM for control of fruit fly in sponge gourd												
Assessment of wilt management in coriander												
Assessment of Onion variety NHRDF-Red-3 During rabi												
Assessment of Veg/Fruit grader for grading of Onion/Tomato												
Assessment of Solar Dryer for Drying of Vegetables												
Assessment of manual rotary dibbler for drudgery reduction of farm women.												

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2016-17)

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
Soybean	VE 10	soybean (variety: JS-95-60)	Improved Variety JS 95-60	8	75	30
Gram	VE 10	Wilt Resistant Variety JG16 and IPM + FM)	Wilt Resistant Variety and IPM + FM	3	10	4.0
Wheat	VE	HYV –HI-1544	Improved Variety Hil-1544	2	10	4.0
Wheat	INM	Nutrient management balance NPK	Balance NPK	2	14	5.6
Onion(Kharif)	HOV	Variety AFDR	Training, demonstration	3	19	1.9

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(Rabi)	HOV	Variety-AFLR	Training, demonstration	3	10	2.0
Guava	HOF	IPM for Control of Fruit Fly	Training, demonstration	4	10	2.0

3.2 Details of FLDs to be implemented during 2017-18

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)		% chan ge	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
10+18	Pigeon-pea	Kharif	Mini Dal-Mill Plant	5 No.	Dal Mill /SHG									
10	Gram	Rabi	Pre-emergence herbicide strip applicator-cum-planter	2.5 ha	SFD									
10+18	Wheat	Rabi	Happy Seeder	5.0 ha	SFD									
10+18	Wheat	Kharif	Zero-Till Drill	5.0 ha	Planter									
18	Wheat	Rabi	Rotavator	5.0	Rotavator									
18	Wheat	Rabi	Straw Reaper	2.5	Straw Reaper									
18	Wheat/gram/soybean	Rabi	Pedal/ Power Operated Cleaner Grader	15 No.	Pedal/Power Operated Cleaner Grader									
18	Groundnut	Kharif	Groundnut Decorticator	50 No.	Groundnut Decorticator									
IPM	Soybean	Kharif	IPM- management of pests by summer deep ploughing + one spray of Trizophos or quinolphos at 40-45 DAS + use of light traps / pheromone traps (10) against tobacco caterpillars	4.0	Soybean IPM									
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)		% chan ge	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 JAKI- 9218	5.0	JAKI-9218									
VE	Onion	Kharif	Onion variety BhimaDark red/AFDR	2.0(10)	Bhimadark Red /AFDR									
PLP	Onion	Kharif	Control of purple blotch in onion	2.0(10)	Mancozeb 75% 2.5g/lit two spray 45- 60DAP									
VE	Onion	Rabi	AFLR	2.0(10)	AFLR									
PLP	Guava	Rabi	Control of fruit fly in guava(Fruit fly trap 10/hawith leur + two spray of malathion0.05 %/lt +collection of affected fruit and destroying	4.0(10)	IPM									
Income generating	Vermicompost production	Kharif	Thermophilic followed by Mesophilic decomposition (partial decomposition for 30 days) Use of Eiseniafetidia spp. Of earth worm @ 2 kg for 2 q dry bio weight Ready within 90 days	5	Vermicompost production									

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)		% chan ge	No. of farmers					
						Demo	Check		SC	ST	OBC	Others	Total	
Nutritional Security of Farm Women at household level	Backyard nutritional kitchen garden	Kharif& Rabi	Demonstration of performance of backyard nutritional kitchen garden	250 sqm (5)	Backyard nutritional kitchen garden									
Income generation	Chilli, Tomato, Brinjal	Kharif 2016	Demonstration on nursery raising in Kharif vegetable.	0.020	Demonstration on nursery raising in Kharif vegetable									

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
Dal-Milling	Mini Dal-Mill Plant	Milling Efficiency, Broken, Dal Recovery, Cost of Milling										
Soybean	Pre- emergence herbicide strip applicator- cum-planter	Weeds Population, Plant population/sq..m No. of pod/ plant 100 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
Wheat	Happy Seeder	Germination, Plant population/sq..m No. of pod/ plant 100 grain wt. g Yield q/ha										
Wheat	Zero-Till Drill	Germination, Plant population/sq..m No. of pods/ plant 100 grain wt. g Yield q/ha										
Soybean, Wheat, Gram, Pigeon- pea	Rotavator	No of tillers/m No. of grains/ear head 1000 grain wt, g Yield q/ha										
Wheat	Straw Reaper	Field Capacity, Straw Recovery, Cost of Operation, Profit										
Soybean, Wheat, Gram, Pigeon- pea	Pedal/ Power Operated Cleaner Grader	Grading Efficiency, , Cost of Grading, B:C Ratio										
Groundnut	Groundnut Decorticator	Capacity, Shelling Efficiency, Broken, Cost of Operation										

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	IPM- management of pests by summer deep ploughing + one spray of Trizophos or quinolphos at 40-45 DAS + use of light traps / pheromone traps (10) against tobacco caterpillars	Plant population/sq..m No. of pod/ plant 100 grain wt. g Yield q/ha										
Soybean	JS 97-52	Plant population/sq..m No. of pod/ plant 100 grain wt. g Yield q/ha										
Wheat	Improved RVS - 4106 + Farm Machinery	No. of grains/ear head 1000 grain wt, g Yield q/ha										
Gram	Varietal demonstration JAKI-9218	No of pod/plant 1000 grain wt Yield q/ha										
Onion	Onion variety BhimaDark red/AFDR	Av size of bulb 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
Onion	Control of purple blotch in onion	Av size of bulb Yield q/ha										
Onion	Onion-AFLR	Av size of bulb Yield q/ha										
Guava	Control of fruit fly in guava(Fruit fly trap 10/ha with leuc + two spray of malathion 0.05 %/lt +collection of affected fruit and destroying	No of fruit affected/plant Yield q/ha										
Vermicomposting	Thermophilic followed by Mesophilic decomposition (partial decomposition for 30 days) Use of Eisenia fetida spp. Of earth worm @ 2 kg for 2 q dry bio weight Ready within 90 days	Duration of composting, Cost/kg, 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
Kitchen garden	Demonstration of performance of backyard nutritional kitchen garden	Nutrition enhancement, Cost/kg, B:C Ratio										
Vegetables	Demonstration on nursery raising in Kharif vegetable.	Economics, 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	1	50	
	Farmers Training	2	40	
	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	
Fruits & Vegetables (Kharif and Rabi)	Field days	2 No	100	
	Farmers Training	4 No	110	
	Media coverage	2	Mass	
	Training for extension functionaries	2	30	

Crop	Activity	No. of activities	Number of participants	Remarks
Harvesting of soybean & wheat	Field days	2	50	
	Farmers Training	4	40	
	Media coverage			
	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

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/EX/R	Training	Aug & Sept 2017	50
Village survey	Individual survey	June to July 2017	50
Farmer seminar	PRA	July-Aug 2017&March 2018	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC & OFC	CRP	Conservation Technologies	2	1-2	40	9		6		6		19	

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	WOE	Storage loss minimization techniques	1	1-2	20	10		5		2		3	
FW	ONC& OFC	WOE	Value addition	2	1-2	40	10		5		10		10	
FW	OFC	AEG	Repair and maintenance of farm machinery and implements	2	1-2	20	2		2		2		14	
FW	ONC& OFC	CRP	Seed production	2	1-2	40	10	5		5	10		15	5
FW	ONC& OFC	CRP	Integrated Crop Management	2	1-2	40	12	5	8	5	5		15	5
FW	ONC& OFC	PLP	Integrated Pest Management	2	1-2	40	10		10		5		15	
IS	ONC& OFC	EXP	Productivity enhancement in field crops	2	1-2	40	12		5		5		16	
IS	ONC& OFC	EXP	Integrated Nutrient management	2	1-2	40	10		10		5		15	
FW	ONC	HOV	Cultivation of kharif and Rabi onion	4	1-2	80	50		10				20	
FW	OFC	HOF	Cultivation of fruit crop (guava)	2	1-2	20	5		5				10	
FW	OFC	HOS	Cultivation technology of coriander	2	1-2	40	10		10				20	
FW	ONC	WOE	Value addition	2	1-2	40	--	--	--	--	--	--	--	40
FW	ONC& OFC	AEG	Use of women friendly equipment for drudgery reduction	2	1-2	40	--	--	--	--	--	--	--	40
FW	ONC	AEG	Use of soybean in daily diet	5	1-2	100	--	--	--	--	--	--	--	100
FW	ONC	WOE	Nutritional Security	2	1-2	30	--	--	--	--	--	--	--	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			through Kitchen Gardening											

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 PMKVY – Tractor Operator	Farm Machinery	Mechanization	30	5	1	5	1	6	2
Skill Development under PMKVY – Green House Operator	Fruit & Vegetables	High-Tech Horticulture	30	5	1	5	1	6	2
Skill Development under PMKVY – Vermicompost Producer	Soil Health Management	Organic Farming	30	5	1	5	1	6	2
Tractor and farm machinery operation, care and maintenance	Farm Machinery	Farm Mechanization	3	2	0	2	0	6	0
Processing of fruits and vegetables for value addition	Fruit & Vegetables	Value Addition	3	0	2	0	2	0	6
Agro-processing of Grain and spice crops	Grain & Spice Crops	Value Addition	3	2	0	2	0	6	
Plant propagation technique	HOF	Income & employment generation	6	2	-	2	-	6	-
Handicraft making	Home Science	WOE	10	-	5	-	5	-	15
Processing of fruits and Vegetables for value addition	Home Science	WOE	5	-	5	-	5	-	30

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 & Value Addition				
Handicraft making				

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													

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	
Vegetable production	250	0	100	150	180	50000	60000	Area expanded :250 ha No. of farmers adopted : 150 % change in Knowledge : 100% % change in production :15% % change in income: 20%
Training on crop production	425	10	85	35	45	25000	35000	10-15 % change in income
Farm Mechanization	1165	0	95	-	-	25000	45000	412 No. of farmers adopted 15-30 % Saving in operation cost
IPM	40	2	98	20	24	20000	26000	30 % change in Income
INM	30	1	99	20	24	20000	26000	30 % change in Income

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	6										
Kisan Mela	1										
Kisan ghosthi	6										
Exhibition	2										
Film Show	25										
Method Demonstrations	4										
Farmers Seminar	8										
Workshop	2										
Group meetings	8										
Lectures delivered as resource persons	45										
Newspaper coverage	4										
Radio talks	5										
TV talks	5										
Popular Articles	6										
Extension Literature	4										
Farm Advisory Services	125										
Scientific visit to farmers field	35										
Farmers Visit to KVK	250										
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	1000	No	20000	
Fruit crop	Karonda	Red tinged	PM	1000	No	10000	
Fruit crop	Moringa	Local	PM	500	No	5000	
Fruit crop	Custard apple	Local	PM	500	No	10000	
Ornamental	ornamentals	different	PM	1000	No	20000	
Fruit crop	Lemon	Kagazi	PM	500	No	10000	

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	

9. Rainwater Harvesting, if available

Training programme 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	300	5000	55

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bhopal	Kharif 2017 (19/05/2017 – Proposed)		
Bhopal	Rabi season 2017		

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'2017	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
Technical bulletins	4				
Popular article	4				
News paper coverage	5				

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
Year Planner	1				

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	Visitors' Gallery	Farm Equipment Display Centre
Bhopal	Technology Exhibition	Farm Mechanization

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Varietal demo(Okra)	3 variety
2	Varietal demo(Kharif onion)	3 variety
3	Varietal demo(Rabi onion)	3 variety
4	Varietal demo(Garlic)	3 variety
5.	Nutrition garden	5 crops each in per season

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				

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.	18-8-2017	25
2.	14-12-2017	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, Awareness programmes etc.

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

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

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	100	Each OFT/FLD
Lectures organized	6	150	Each OFT/FLD
Exhibition	2	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	
Total number of farmers visited the technology week		650	

27. INTERVENTIONS ON DROUGHT MITIGATION**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: NA**29. Proposed works under NAIP (in NAIP monitoring format)****30. Status of Revolving Funds (Rs.)****31. Awards & Recognitions****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)

KVK, Burhanpur

PERIOD – April 2017 to March, 2018

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	827	-	-	-
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)	24	70	-	-	-
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	4	40	-	-	-
Training-Farmers and farm women	40	800	-	-	-
Training-Rural youths	04	40	-	-	-
Training- Extension functionaries	04	80	-	-	-
Extension Activities	115	As per need	-	-	-
Seed Production (Number of activity as seeds in quintal)	50	265	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	55000 (chilli & drumsticks)	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	2500	-	-	-
Rainwater Harvesting System	-	-	-	-	-
Kisan Mobile Advisory (KVK-KMA)	150	11500	-	-	-
SAC Meeting (Date & no. of core/ official members)	2	-	-	-	-
Literature to be Developed/Published	7	3500	-	-	-

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	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	236	-	-	-
Technology Demonstration under Tribal Sub Plan	NA	-	-	-	-
KVK Ring	2	Khandwa, Indore	-	-	-
Important visitors to KVK	APR 2016-17			-	-
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	-	-	-	-

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	17.09.2013	Permanent	Others
Subject Matter Specialist2	Mrs .Monika Jaiswal	Agri. Ext.	M.Sc.	Extension	15600-5400-39100	15600	17.09.2013	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	9300-4200-34800	11910	23.12.2014	Permanent	Others
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

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	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.

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

District Profile
Demographic Status

Particulars	Characteristics
No. of Village	262
No. of Gram Panchayat	177
No. of Tehsil	03
No. of Blocks	02
Population (2001)	756993
Male : Female	951
Schedule Cast Population	8.87%
Schedule Tribes Population	26.50%
Literacy (%)	59.9%
Population, Density/Km ²	257

Climatic Features

Particulars	Characteristics	
Temperature	Max	40-45 ⁰ c
	Mini	19-24 ⁰ c
Average Annual Rainfall	850mm	
Wind Velocity	Max	---
	Mini	---

Particulars	Characteristics
Longitude	75.57 ⁰ to 77.13 ⁰
Latitude	21.05 ⁰ to 22.05 ⁰
Elevation	300 m from MSL

Land Use Pattern	Area (ha)	Percentage
Geographical area	342741	---
Forest Area	201881	58.90
Total fallow land	3474	1.01
Net area sown	103984	30.33
Double Cropped area	19840	5.78
Gross Cropped area	123824	---
Cropping Intensity	119.85	---
Irrigated area	51985	41.98
SOIL TYPES	Area (000ha)	Percentage
Light Soils	46800	45

Medium Soils	26000	25	
Heavy Soils	31200	30	
Irrigation Pattern	No.	Area	Percentage
Canal	-	329	0.80
Tube Well	-	11960	28.62
Open Well	-	27127	64.90
Others	-	2378	05.71
Total		41894	

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	Burhanpur	36	2800	400
Sirpur	2017	Khaknar	12	3000	450

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)

Problem identified	Methods of problem identification
Low yield due to improper management in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Dissemination of seed treatment techniques.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Improve irrigation and water management practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Introduction of high yielding dwarf varieties of banana	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
To reduce post harvest losses of fruits and vegetables.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Soil test based plant nutrient management.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Integrated plant nutrient management.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
IPM approach to manage insect pest in cotton.	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
Rural women do not aware of balanced diet	Through PRA tools and Discussion with the group of farmer, farm women and rural youth
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	Farmer's 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
Kharif, 2017	Low yield of kharif onion due to old variety i.e. N- 53	Assessment	HOV	Onion	Irrigated	07	07	Assessment of different variety of onion (IIIrd yr)	N-53 (Farmer Practice)	AFDR + full POP	Bhima Super + full POP	-	-	-
Kharif 2017	Heavy weed	Assessment	HOV	Chilli	Irrigated	07	07	Assessment of mulching	No use of mulching	Use of Mulch with	Use of 30 micron	-	-	-

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Themati c Area	Crop/ enterpri se	Farmin g Situati on	Targ et	No. of trial s	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
	infestation and more water consumption due to flood irrigation and low yield							technique in chilli (IIInd yr)	(Farmer Practice)	sugarcane dried leaves	black Plastic Mulching			
Rabi 2017-18	Low fruit quality & yield reduction due to heat wave & attack of pest & disease	Assessment	HOF	Banana	Irrigated	07	07	Assessment of skirting bag & Potassium sulphate against biotic & abiotic stress management for quality banana production (IIInd yr)	Without skirting bag (Farmer Practice)	Use of white skirting bag	Use of white skirting bag + potassium sulphate	-	-	-
Rabi, 2017-18	Low yield of onion due to old variety i.e. AFLR	Assessment	HOV	Onion	Irrigated	07	07	Assessment of different onion variety (IIIrd yr)	AFLR (Farmer Practice)	NHRDF Red 3+ full POP	Bhima Shakti + full POP	-	-	-
Kharif 2017	JS 335 is Long duration ,	Assessment	CRP	soybean	Irrigated	07	07	Assessment of short duration	JS 335 (Farmer Practice)	JS 9305 + full POP	RVS 2001-4 + full POP	-	-	-

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Themati c Area	Crop/ enterpri se	Farmin g Situati on	Targ et	No. of trial s	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
	Severe attack of Yellow vein mosaic & low yield due to reduction in rainfall period at the time of maturity							soybean variety (IInd yr)						
Kharif 2017	High seed rate & low yield in tradition al system of cultivatio n in pigeon pea	Assessment	CRP	Pigeon Pea	Irrigate d	07	07	Assessment of different sowing method in pigeon pea (IInd yr)	Tiffan Method (Farmer Practice)	Direct sowing	Transplan ting method	-	-	-
Rabi 2017-18	Excess use of water due to tradition al method	Assessment	CRP	Wheat	Irrigate d	07	07	Assessment of different water saving method in wheat (IInd yr)	Flood Irrigation (Farmer Practice)	Drip Irrigation	Use of Hydrogel			

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Themati c Area	Crop/ enterpri se	Farmin g Situati on	Targ et	No. of trial s	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 irrigation i.e. flood													
Rabi 2017-18	Low yield of wheat due to shorter winter period &infectio n of disease like smut in old variety LOK 1,	Assessment	CRP	Wheat	Irrigate d	07	07	Assessment of different wheat variety under irrigated condition (IIInd yr)	LOK 1 (Farmer Practice)	GW 366 + full POP	MP 1203 + full POP	-	-	-
Rabi 2017-18	Low yield of soybean due to improper use of fertilizer	Assessment	CRP	Wheat	Irrigate d	07	07	Assessment of nutrient management in irrigated wheat (IIIrd yr)	NPK (150:60:30) (Farmer Practice)	Use of NPK 100:60:40/ ha. + 5 kg zinc through ZNSO ₄	Use of FYM @ 5 - 8 tonn /ha. + NPK @ 75% + 5 kg zinc through ZNSO ₄	-	-	-
Kharif 2017	Low yield of soybean due to yellow vein mossaic	Assessment	PLP	Soybean	Irrigate d	07	07	Assessment of management practice for yellow vein mossaic in soybean	Sowing without seed treatment (Farmer Practice)	Seed treatment with thiamethox am 25% WG 3gm./kg	Seed treatment with Imidaclop rid 17.8% SL 3 ml/kg +	-	-	-

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Themati c Area	Crop/ enterpri se	Farmin g Situati on	Targ et	No. of trial s	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
	disease							(IIIrd yr)		seed + Spray of thiamethox am 25% WG @100gm/h a 20DAS	Imidaclop rid 17.8% SL @ 100ml/ha 20DAS			
Kharif 2017	Low yield of onion due to infestation of sucking pest	Assessment	PLP	Onion	Irrigate d	07	07	Assessment for management of sucking pest in onion (II nd yr)	Use of pesticide at the time of infestation (Farmer Practice)	Preventive use of Imidaclopri d @ 0.5 ml/lt (seed + nursery treatment)	Use of spinosad @ 0.33 ml/lt (seed + nursery treatment)	-	-	-
Rabi 2017-18	Low yield of sugarcane due to root and shoot borer	Assessment	PLP	Sugarcane	Irrigate d	07	07	Assessment for management of root and shoot borer in sugarcane (IIIrd yr)	Use of Carbofuron after attack of shoot borer (Farmer Practice)	Use of Carbofuron 3G @ 10kg /acre at the time of sowing	Use of fipronil 10 kg./acre at the time of sowing	-	-	-
Rabi 2017-18	Low yield of wheat due to weed	Assessment	PLP	Wheat	Irrigate d	07	07	Assessment of weedicid e in wheat (Ist yr)	Hand Weeding (Farmer Practice)	Spray of Clodinafop 60gm ai/ha+ Metsulfuro n methyl @ 4gm ai/ha. 25-30 DAS	Spray of Sulfosulfu ron 25gm ai/ha + metsulfur on methyl @ 4gm ai/ha 25- 30	-	-	-

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Themati c Area	Crop/ enterpri se	Farmin g Situati on	Targ et	No. of trial s	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
											DAS.			
Kharif 2017	Metaboli c imbalanc e of mineral nutrition	Assessment	LPM	Goat	Irrigate d	10	10	Assessment of creep ration on growth performance of kid (IInd yr)	No use of ration (Farmer Practice)	Balance Ration	-	-	-	-
Kharif 2017	Slow growth rate indigeno us breed due to deficienc y of protein in feed	Assessment	Poultry Producti on & Manage ment	Poultry Birds	Low Rainfed	07	07 (20 bird s eac h)	Assessment of azolla as a source of protein in backyard poultry (Ist yr)	No protein supplemen ts (Farmer Practice)	Supplemen tation of 50 gm azolla with normal feed	Suppleme ntation of 50 gm azolla with normal feed + 2% mineral mixture	-	-	-
Rabi 2017-18	Metaboli c imbalanc e of mineral nutrition	Assessment	LPM	Cow	Irrigate d	10	10	Assessment of methochelat ed mineral mixture in cross bred lactating cattle (IInd yr)	No use of mineral mixture (Farmer Practice)	Methochel ated mineral mixture @ 30 gm/day/ animal	Plain Mineral mixture @ 50gm/day /animal	-	-	-
Rabi 2017-18	High mortality of poultry birds due	Assessment	Poultry Disease Manage ment	Poultry Birds	Rainfed to Mediu m	10	10 (30 bird s eac	Assessment of Lasota Strain vaccine against Ranikhet	No Vaccinatio n (Farmer Practice)	Timely Vaccination of ranikhet (F Strain, Lasota,	Timely Vaccinatio n of Ranikhet (F strain,	-	-	-

Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Themati c Area	Crop/ enterpri se	Farmin g Situati on	Targ et	No. of trial s	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
	to disease						h)	disease (1st yr)		R2B)	Lasota, R2B) & Antistress Medicine (Vimeral 7ml/100 birds)			

2.2 EXTENSION OFT

Year	Category of technology	Thematic Area/ theme	Source of Technology	Target	Title	Objectives	Methodology	Indicators
2017- 18	Study	ICT tools & social media	JNKVV	200	Study on effective use of different information sources in dissemination of agricultural message	To identify most effective information sources. <ul style="list-style-type: none"> To know the knowledge and adoption level 	Problem Identify Selection of Technology Technology Dissemination Feed Back Data Evaluation Conclusion.	Credibility Readability Timeliness Visibility Applicability
2017- 18	Assessment	ICT	JNKVV	100	Assessing the efficacy of agricultural information dissemination through mobile messaging – KMAS	<ul style="list-style-type: none"> To share agricultural techniques through message, To receive farmers problems . To collect 	Compilation of messages crop-wise Enlist the benefitted farmers Developing of interview schedule for data collection Collect, tabulate and analyze the data	Need based information Time based information Readability Understanding Applicability

						farmers feedback for KVK Scientists		
2017-18	Assessment	TOT & Impact	DOGR, Pune	50	Assessment of adoption dynamics and impact Onion Variety Bhima Shakti	<ul style="list-style-type: none"> To study the impact To study the adoption level 	Variety selected for assessment No. of farmers selected Data collect through interview schedule Compilation of data Data Analysis	<ul style="list-style-type: none"> Horizontal Spread Increase in Productivity Increase in Income Increase in Cost of Cultivation Increase in Knowledge / awareness

2.3 Recommendations of OFTs

Recommendations			
S.No	Title of OFT	For Farmers	For Deptt. Personnel
1.	Assessment of different variety of onion (IIIrd yr)	-	-
2.	Assessment of mulching technique in chilli (IIInd yr)	-	-
3.	Assessment of skirting bag & Potassium sulphate against biotic & abiotic stress management for quality banana production (IIInd yr)	-	-
4.	Assessment of different onion variety (IIIrd yr)	-	-
5.	Assessment of short duration soybean variety (IIInd yr)	-	-
6.	Assessment of different sowing method in pigeon pea (IIInd yr)	-	-
7.	Assessment of different water saving method in wheat (IIInd yr)	-	-
8.	Assessment of different wheat variety under irrigated condition (IIInd yr)	-	-
9.	Assessment of nutrient management in irrigated wheat (IIIrd yr)	-	-
10.	Assessment of management practice for yellow vein mosaic in soybean (IIIrd yr)	-	-
11.	Assessment for management of sucking pest in onion (II nd yr)	-	-
12.	Assessment for management of root and shoot borer in sugarcane (IIIrd yr)	-	-
13.	Assessment of weedicide in wheat (Ist yr)	-	-
14.	Assessment of creep ration on growth performance of kid (IIInd yr)	-	-
15.	Assessment of azolla as a source of protein in backyard poultry (Ist yr)	-	-
16.	Assessment of methochelated mineral mixture in cross bred lactating cattle (IIInd yr)	-	-
17.	Assessment of Lasota Strain vaccine against Ranikhet disease (Ist yr)	-	-

Recommendations			
S.No	Title of OFT	For Farmers	For Deptt. Personnel
18.	Study on effective use of different information sources in dissemination of agricultural message	-	-
19.	Assessing the efficacy of agricultural information dissemination through mobile messaging – KMAS	-	-
20.	Assessment of adoption dynamics and impact Onion Variety Bhima Super	-	-

2.4 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)
-	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2016-17)

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	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	18
Chilli	IPM	Appl. Imidachlorpid @ 100 ml/ha.	Training- Farmer, In-service, Plot Visit, Field day.	02	17	10
Onion	IPM	Appl. Imidachlorpid @ 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	---

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	IPM	SDP, one spray of trizophos at 40-45 DAS + Pheromontrap	Training- Farmer, In-service, Plot Visit, Field day.	03	119	62
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	-

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	IPM	SDP + One spray of trizophos at 40-45 DAS+ Pheroman trap	Training- Farmer, In-service, Plot Visit, Field day.	18	220	112
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.

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
		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 melon	Training- Farmer, In-service, Plot Visit, Field day	1	5	2ha
Onion	HOV	Sulphur application in	Training- Farmer, In-service,	1	5	2ha

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	Plot Visit, Field day			
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 systemic & contact fungicide + benole oil for management	Training- Farmer, In-service, Plot Visit, Field day	1	5	1 ha

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
		of sigatoka disease in banana				
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 ecto. & endo. paracitidal in dairy cattle	Training- Farmer, In-service, Plot Visit, Field day	1	10	10
Goats	LPM	Demonstration the use of	Training- Farmer, In-service,	1	10	10

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
		Anthelmintics (Fenbendazole)Drugs in goats	Plot Visit, Field day			
Cow	LPM	Demonstration of Azolla low cost feed in lactating cattle	Training- Farmer, In-service, Plot Visit, Field day	1	10	10

3.3 Details of FLDs to be implemented during 2017-18

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
HOV	Garlic	Kharif 2017	Demonstration of Garlic Variety G-282	01 ha.	G-282	-	-	-	-	-	-	-	5
HOF	Banana	Kharif 2017	Demonstration of systemic & contact fungicide + benole oil for management of sigatoka disease in banana	01 ha	IDM	-	-	-	-	-	-	-	5
HOV	Banana	Rabi 2017- 18	Demonstration of Banana shakti (A source of mineral)	02 ha	IFM	-	-	-	-	-	-	-	5
HOV	Onion	Rabi 2017- 18	Demonstration of Sulphur application in onion	02 ha	HOV	-	-	-	-	-	-	-	5
CRP	Soybean	Kharif 2017	Demonstration of Diclosulam as pre emergence weedicide in Soybean	02 ha.	CRP	-	-	-	-	-	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
CRP	Maize	Kharif 2017	Demonstration of nitrogen application in Maize	02 ha.	CRP	-	-	-	-	-	10	-	10
CRP	Wheat	Rabi 2017-18	Demonstration of wheat variety HI-1544	02 ha.	VR	-	-	-	-	-	-	05	05
CRP	Gram	Rabi 2017-18	Demonstration of ammonium molybdenum in gram	02 ha	IWM	-	-	-	-	-	-	05	05
PLP	Soybean	Kharif 2017	Demonstration of Management of Pod Borer (Helicoverpa armigera) in Soybean	02 ha	IPM	-	-	-	-	-	05	-	05
PLP	Soybean	Kharif 2017	Demonstration of insecticide for management of girdle beetle in soybean	02 ha	IPM	-	-	-	-	-	05	-	05
PLP	Watermelon	Rabi 2017-18	Demonstration for management of fruit fly in water melon	02 ha	IPM	-	-	-	-	05	-	-	05
PLP	Chick pea	Rabi 2017-18	Demonstration for management of Pod Borer (Helicoverpa armigera) in Chickpea	02 ha	IDM	-	-	-	-	-	-	05	05
LPM	Buffalo	Kharif 2017	Demonstration of Piprazine in Buffalo calf	10	LPM	-	-	-	-	-	-	-	10
LPM	Cow	Kharif 2017	Demonstration of Ivermectine as an effective ecto. & endo. paracitidal in dairy cattle	10	LPM	-	-	-	-	-	-	-	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
LPM	Cow	Rabi 2017-18	Demonstration of Urea Molasses Block & Mineralized salt Bricks in dairy cattle	07	LPM	-	-	-	-	-	-	-	07
LPM	Cow	Rabi 2017-18	Demonstration of Azolla low cost feed in lactating cattle	10	LPM	-	-	-	-	-	-	-	10

3.3 Economic Impact of FLD : NA

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
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

Crop	Activity	No. of activities organized	Number of participants	Remarks
Soybean	Training for extension functionaries	01	15	01
	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	01	20	01
	Farmers Training	01	20	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
Cow / Buffalo	Field days	03	60	01
	Farmers Training	03	60	01
	Media coverage	03	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

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. Latest technology & variety. It is the platform for the farmers where they can get their solution as well advice.	<ul style="list-style-type: none"> 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

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	HOV	Different micro irrigation devices for judicious use of	1	1	20	5	-	5	-	5	-	5	-

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			water in horticultural crops											
FW	OFC	HOF	Production Technology of garlic	1	1	20	5	-	5	-	5	-	5	-
FW	OFC	HOV	Nutrient management in onion	1	1	20	5	-	5	-	5	-	5	-
FW	OFC	HOV	INM in rabi onion	1	1	20	5	-	5	-	5	-	5	-
FW	OFC	HOF	IDM in banana	1	1	20	5	-	5	-	5	-	5	-
FW	OFC	HOF	Introduction of technology of banana & its management	1	1	20	5	-	5	-	5	-	5	-
FW	OFC	HOF	Skirting Bag: Its benefits to use in banana	1	1	20	5	-	5	-	5	-	5	-
FW	OFC	HOV	Leaf curl & flower drop management in chilli	1	1	20	5	-	5	-	5	-	5	-
IS	ONC	HOV	Protected cultivation of vegetable crop	1	2	15	-	5	-	5	-	-	-	5
RY	OFC	HOFV	Nursery management of fruit and vegetable for income generation	1	5	10	-	5	-	5	-	-	-	-
FW	ONC	LPM	Role of minerals in high milk producing Animals	01	02	20	05	-	05	-	05	-	05	-
FW	ONC	LPM	Goat production and management	01	02	20	05	-	05	-	05	-	05	-
FW	ONC	LPM	Importance of Urea Molasses Feed Block	01	02	20	05	-	05	--	05	-	05	-

Cate- gory	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	LPM	Fodder production conservation for sustainable livestock production	01	02	20	-	-	-	-	-	-	20	-
IS	ONC	LPM	Housing & disease Management in Poultry	01	02	20	-	-	-	-	-	-	20	-
FW	ONC	LPM	Dairy production and management	01	02	20	05	-	05	-	05	-	05	-
RY	ONC	LPM	Importance of deworming & vaccination in dairy animals	01	05	10	05	-	-	-	-	-	05	-
FW	OFC	LPM	Disease Management in Animals	01	02	20	05	-	05	-	05	-	05	-
FW	OFC	LPM	Silage preparation	01	02	20	05	-	05	-	05	-	05	-
FW	OFC	LPM	Poultry(Kadaknath) Management	01	02	20	05	-	05	-	05	-	05	-
FW	OFC	PLP	IPM in Soybean	01	01	20	-	-	-	-	20	-	-	-
FW	OFC	PLP	Disease management in soybean	01	01	20	-	-	-	-	20	-	-	-
FW	ONC	PLP	control of sucking pest in onion	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	PLP	Control of pod borer in chickpea	01	01	20	-	-	-	-	-	-	20	-
FW	OFC	PLP	Weed management in wheat	01	01	20	-	-	-	-	-	-	20	-
FW	OFC	PLP	Insect,pest & disease management in chilli	01	01	20	-	-	-	-	-	-	20	-
FW	OFC	PLP	Use bio fertilizers in	01	01	20	-	-	-	-	-	-	20	-

Cate- gory	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			sugarcane to reduce chemical fertilizer											
FW	OFC	PLP	Use of hydrogel in soybean crop	01	01	20	-	-	-	-	-	-	20	-
RY	OFC	PLP	Bee Keeping	01	05	15	-	-	-	-	15	-	-	-
IS	ONC	PLP	Insect & Disease management in soybean & maize	01	02	25	05	-	05	-	05	-	10	-
FW	ONC	CRP	Transplanting Method in pigeon pea	01	02	20	05	-	05	-	05	-	05	-
IS	ONC	CRP	Integrated management of soybean	01	02	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	Production Technology of Maize	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	Fertilizer management in Kharif crop	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	Weed Management in wheat & gram	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	SSI Technology in Sugarcane	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	Micro Irrigation in different rabi field crops	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	Kharif crops: Varities, sowing time & method of cultivation.	01	01	20	05	-	05	-	05	-	05	-
FW	OFC	CRP	Rabi crops: Varities, sowing time & method of	01	01	20	05	-	05	-	05	-	05	-

Cate- gory	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			cultivation											
RY	OFC	CRP	Quality seed production in rabi crop	01	05	15	05	-	05	-	-	-	05	-
FW	ONC	WOE	Capacity building of rural women for entrepreneurships development through soybean processing	01	01	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Capacity building of rural women for entrepreneurship development through banana processing	01	01	20	-	-	-	-	-	-	-	-
FW	OFC	EXT	Leadership development in rural youth	01	01	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Initiating group approach among the farm women for their livelihood development	01	01	20	-	-	-	-	-	-	-	-
FW	ONC	EXT	Importance & Use of Audio Visual Aids	01	02	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Skill development of rural farm women for income generation through Nursery Raising	01	01	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Production technology of vermi	01	01	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			compost & its benefits											
FW	OFC	WOE	Importance of Nutritional Kitchen garden for household food security	01	01	20	-	-	-	-	-	-	-	-
FW	ONC	ICT	Importance, use & benefits of social media (KMAS, Whats app, telegram etc) in agriculture	01	01	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Drudgery reduction implements used in agriculture	01	01	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	
Nursery management of fruit & vegetable for income generation	Fruit & vegetable	Income generation	4	-	-	-	-	-	-	10
Quality seed production in rabi crop	Wheat & gram	Income generation	4	-	-	-	-	10	-	-
Bee Keeping	Bee Keeping	Income generation	4	-	-	-	-	15	-	-
Livestock production & its management	Livestock	Income generation	4	-	-	-	30	-	-	-

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	
Kadaknath Rearing- A backyard poultry	-	-	-	-
Vermicompost Production	-	-	-	-

Training title	Self employed after training			Number of persons employed elsewhere
	Type of units	Number of units	Number of persons employed	
Value addition in fruit & vegetable crops	-	-	-	-
Value Addition in soybean	-	-	-	-
Urea Molasses Feed Block	-	-	-	-

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)	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 5.6 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/ 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 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			
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 the crop	Wheat, Soybean banana Cotton Sugarcane	Before onset of the season
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	Wheat, Soybean	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				
										technologies of the crop & interaction with scientist	banana Cotton Sugarcane & other allied activities	and during the crop season
Group meetings	12	-	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	As per 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 &	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				
										other allied activities		
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	36	Qtl	240000.0	120
Pulse	Pigeon pea	TJT 501, Rajiv lochan	SD	12	Qtl	200000.0	140
Cereal	Wheat	MP-1203	SD	02	Qtl	8000.0	05

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. (Nos)	Cost of inputs	Gross income	
Vegetable	Drumsticks	-	-	-	PKM-2	PM	5000	-	-	-
Vegetable	Onion (seedlings)	-	-	-	NHRDF red 3 & Bhima Shakti	PM	5 acre	-	-	-
Vegetable	Chilli (nursery)	-	-	-	Syngenta 12, Siemens 4884	PM	50000	-	-	-

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

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	
Poultry	Kadaknath	Eggs & Meat	-	-	-	-
Others (Specify)	-	Worms	As per requirement	-	-	-

8. Activities of Soil and Water Testing Laboratory

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

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	12500	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/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. & line deptt. officers	
100	11500	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 2017	500	-
	July-September 2017	500	-
	October-December 2017	500	-
	January-March 2018	500	-

Note - Number of Literatures published in 2017-18: 05

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Burhanpur	-	-	01

12.3 PUBLICATIONS (Published 2016-17)

Type	Periodicity	Supported By	Number of copies printed
	Title	Author's name	Number of copies distributed
Leaflet	• Contingent Plan	• KVK	25
	• Technology introduced	• KVK	25
	• Action Plan for Sansad Adarsh Gram	• KVK	25
	• Vision 2050	• KVK	25
Folder	• Crop Cafeteria	• KVK	25
	• District Profile	• KVK	25
	• Safflower	• Bhupendra Singh, Ajeet Singh, Kartikey Singh, Rahul Satarkar	500
	• Azolla	• Amol Deshmukh, Ajeet Singh, Megha Vibhute, Sandeep Rathod	500
	• Onion	• KVK	500
	• Mitti ki Jach ka mehatav evam vidhi	• KVK	500
	• Banana	• KVK	500
	• Wheat	• KVK	500
	• Gram	• KVK	500
	• Gram	• KVK	500
Extension Bulletin	• Technology Mapping in Burhanpur District	• KVK	10
Popular Article	• April- March	• KVK	04
News Paper Coverage	• April-March	• KVK	37
Year Planner	• April-March	• KVK	25
Technical Support in Departmental Literatures	• Mushroom ek uttam ahar	• KVK	5000
	• Agami panch varsh me aaye do guni karne ki pradnali	• KVK	5000
	• Jaivik khedi	• KVK	5000
	• Arhar ki dharwad vidhi	• KVK	5000
	• Sarso ki SRI vidhi	• KVK	5000
	• Mitti ki janch ke mehatva	• KVK	5000
	• Madhumakkhi palan	• KVK	5000

Type	Periodicity	Supported By	Number of copies printed
	Title	Author's name	Number of copies distributed
	<ul style="list-style-type: none"> • Adrak utpadan • Surajmukhi ki kheti 	<ul style="list-style-type: none"> • KVK • KVK 	<p>5000</p> <p>5000</p>

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	560000	Demonstration/ FLD on Rabi, Kharif & summer crops, Package Development, Farm School, Kadaknath rearing & Capacity Building	Whole district	Agriculture & allied activities based program
Agriculture Dept.	State	389500	Demonstration & FFS		
Agriculture Dept.	State	680000	Soil Testing & celebration of World soil health day		
Mukh Mantri Khet Tirth Yojna	State	700000	Demo Unit		

14. Utilization of Farmers Hostel. : Under Construction 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)
Burhanpur	-	-	-	-	-	-	-

15. Utilization of Staff Quarters. : Under Construction

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?

S. 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 KVK	Name of Component of Park	Detail Information (If established)
Burhanpur	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

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Varietal	01
2	Kitchen Garden	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	Burhanpur	-	-	-

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

S. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
01	05.05.2017	25
02	12.07.2017	15
03	20.10.2017	25
04	18.11.2017	20
05	19.12.2017	18
06	13.02.2018	20

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Burhanpur	02	-	18	218

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. : NA

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 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 2016-17	-	-

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Burhanpur	01.03.2015	06	-

24. Status of RTI : NA

25. E-CONNECTIVITY (ERNET Lab) : NA

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
Farm Visit	04	10\50	Different Crops at KVK farm
Distribution of Literature (No.)	-	500	Crop and live stock

27. INTERVENTIONS ON DROUGHT MITIGATION:**Introduction of alternate crops/varieties**

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Sl. 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**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**Bio-Fertilizer : NA****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

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
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	21180.14	42179.14	26443.14

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 –

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

KVK, Indore

PERIOD – April 2017 to March, 2018

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	19	280	-	-	-
FLDs – Oilseeds (activity in ha)	7.5	23	-	-	-
FLDs – Pulses (activity in ha)	5	13	-	-	-
FLDs – Cotton (activity in ha)	-	-	-	-	-
FLDs – Other than Oilseed and pulse crops(activity in ha)	6	17.5	-	-	-
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	8	90	-	-	-
Training-Farmers and farm women	52	1040	-	-	-
Training-Rural youths	12	240	-	-	-
Training- Extension functionaries	7	140	-	-	-
Extension Activities	1241	19070	-	-	-
Seed Production (Number of activity as seeds in quintal)	90	-	-	-	-
Planting material ((Number of activity as quantity of planting material in quintal)	5000	-	-	-	-
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)	52	14550	-	-	-
SAC Meeting (Date & no. of core/ official members)	2	40	-	-	-
Literature to be Developed/Published	20	-	-	-	-
Convergence programmes / Sponsored programmes	-	-	-	-	-
Utilization of Farmers Hostel	17	340	-	-	-
Utilization of Staff Quarters	08	08	-	-	-

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	
Details of KVK Agro-technological Park	01	-	-	-	-
Crop Cafeteria-	02	-	-	-	-
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	01	10	-	-	-
Outreach of KVK in the District (No. of blocks, no. of villages)	04	60	-	-	-
Technology Demonstration under Tribal Sub Plan	-	-	-	-	-
KVK Ring	01	03	-	-	-
Important visitors to KVK	-	-	-	-	-
Status of KVK Website	Functioning	-	-	-	-
Status of RTI	-	-	-	-	-
E-connectivity	-	-	-	-	-
Details of Technology Week Celebrations	02	1050	-	-	-
Interventions on Drought Mitigation	-	-	-	-	-
Proposal of NAIP	-	-	-	-	-
Proposal of NICRA	-	-	-	-	-
Well labeled photographs	-	-	-	-	-
Other Activities	01	-	-	-	-

1. GENERAL INFORMATION

1.1. Staff Position (as on 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)
Programme Coordinator	Dr. Alok Deshwal	Ani. Hus. & Dairying	Ph.D.	Ani. Hus. & Dairying	37400 – 67000 + 9000 GP	58830	02/01/2006	Permanent	Others
Subject Matter	Dr. Radheshyam	Agril.	Ph.D.	Agril. Extension	15600 -	30260	27/04/2002	Permanent	OBC

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)
Specialist1	Tailor	Extension			39100 + 5400 GP				
Subject Matter Specialist2	Dr. Dilip Kumar Mishra	Horticulture	Ph.D.	Horticulture	15600 - 39100 + 5400 GP	30260	06/07/2002	Permanent	Others
Subject Matter Specialist3	Dr. Shri Ram Dadhich	Vety. & A.H.	M.V.Sc.	Vety. Medicine	15600 - 39100 + 5400 GP	29100	26/12/2005	Permanent	Others
Subject Matter Specialist4	Mr. Jitendra Singh	Agril. Engg.	M. Tec.	Soil and Water Conservation	15600 - 39100 + 5400 GP	26620	11/02/2008	Permanent	Others
Subject Matter Specialist5	MS. Archana Kumari	Home Science	M.Sc. Home. Sc.	-	15600 - 39100 + 5400 GP	21630	06/08/2015	On Probation	Others
Subject Matter Specialist6	Mr. Arun Kumar Shukla	Agronomy	M.Sc. (Agronomy)	-	15600 - 39100 + 5400 GP	21630	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	14330	01/09/2014	Permanent	OBC
Farm Manager	Mr. Rakesh Jain	Agril. Extension	M.Sc. (Ag.)	Agril. Extension	9300 - 34800 + 4200 GP	14760	01/03/2013	Permanent	Others
Programme Assistant (Computer)	Mr. Adarsh Tiwari	Computer Science	M.C.A.	Computer Application	9300 - 34800 + 4200 GP	21400	18/12/2002	Permanent	Others
Accountant / superintendent	Mr. Anurag Tiwari	Commerce	M.B.A.	Finance	9300 - 34800 + 4200 GP	15670	11/04/2011	Permanent	Others
Stenographer	Mr. K. Chanchal	-	B.Sc.	-	5200 -20200 + 2400 GP	10210	07/08/2015	On Probation	OBC
Driver	Mr. Vijendra Chouhan	-	H.S.S.C.	-	5200 -20200 + 1900 GP	11080	10/03/2004	Permanent	SC
Driver	Mr. Prakash Ravat	-	H.S.S.C.	-	5200 -20200 + 1900 GP	8210	19/08/2014	Permanent	ST
Supporting staff	Mr. Satish Baghela	-	H.S.S.C.	-	4440 - 7440 + 1300 GP	8580	09/03/2004	Permanent	OBC

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. O.P. Mansare	-	H.S.S.C.	-	4440 - 7440 + 1300 GP	6100	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 plans 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)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Indore	Kulthana	2017	Mhow	40 km	-	-
Indore	Nayapura	2017	Mhow	40 km	-	-
Indore	Panod	2017	Indore	22 km	-	-

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

KVK	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

KVK	Thrust Area
	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

KVK	Thrust Area
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)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Indore	Low yield due to improper management in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	Block: Sanwer - Khamod Anjana & Brahmankhedi. Block: Mhow -Utedia, Lodia, Bhuriyasaat Block: Depalpur – Chitora, Block: Indore - Budanakhedi, Jagmal pipliya & Baroda daulat
Indore	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 -
Indore	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 -
Indore	Low Yield due to weed infestation in soybean	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	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 -
Indore	Low yield due to improper management in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to pest infestation in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to disease incidence in Gram	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	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 -
Indore	low yield due to imbalance nutrition in maize	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low yield due to improper management in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	low yield due to imbalance nutrition in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to weed infestation in wheat	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to pest infestation in	Through PRA tools and Discussion with the group of	- do -

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	aonla	farmer, farm women and rural youth	
Indore	Low production due to disease infestation in Chrysenthamum	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to improper nutrition in Chrysenthamum	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	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 -
Indore	Low production due to improper Management in Pea	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low production due to disease infestation in Potato	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low Yield due to old variety in Potato	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	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 -
Indore	Low productivity due to improper dairy practices	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Poor health of dairy animals	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	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 -
Indore	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 -
Indore	Low yield due to uneven rainfall distribution	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Unawareness of soil & water conservation methods	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Poor health due to unavailability of nutritious vegetables	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Poor health due to unavailability of nutritious food	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Loss in natural resources	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low productivity of crops due to imbalance nutrition	Through PRA tools and Discussion with the group of farmer, farm women and rural youth	- do -
Indore	Low income of rural youth due to	Through PRA tools and Discussion with the group of	- do -

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	unemployment	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 Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
Kharif 2017	Infestation of yellow mosaic virus in Soybean	Assessment	IDM	Soybean	Rainfed	01	10	Assessment of Chemical for management white fly in Soybean	-	-	-	-
Rabi 2017- 18	Low yield of wheat due to impure and sub- standard seed of old variety Lok 1	Assessment	Varietal Assessment	Wheat	Irrigated	01	10	Assessment of improved wheat variety Pusa Anmol under irrigated condition	-	-	-	-
Rabi 2017- 18	Low yield of chickpea due to use of local unidentified variety Dollar	Assessment	Varietal Assessment	Chickpea	Irrigated	01	10	Assessment of improved Chickpea variety KRIPA (Phule G 0517)	-	-	-	-
Kharif 2017	Low yield, imbalance use of fertilizers, no use of potash and mirco nutrient, higher cost	Assessment	INM	Marigold	Rainfed	01	10	Assessment of Integrated Nutrient Management in rainfed condition in Marigold	-	-	-	-
Rabi 2017- 18	Late maturity, ununiform size of bulb, self life and yield	Assessment	ICM	Onion	Irrigated	01	10	Assessment of Bhimashakti (DOGR- 1156) variety of onion at Indore district				

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
Rabi 2017- 18	Low germination and yield due to moisture stress	Assessment	Improved Implement	Chick Pea	Irrigated	01	10	Assessment of Raised bed sowing method for Chick Pea	-	-	-	-
Rabi 2017- 18	High drudgery and time consumption in manual cleaning	Assessment	Improved Implement	Wheat	Irrigated	01	10	Assessment of power operated grain cleaner for wheat	-	-	-	-
Kharif 2017	High drudgery and low efficiency in manual weeding in Soybean	Assessment	Improved Implement	Soybean	Rainfed	01	10	Assessment of power weeder for weeding in Soybean	-	-	-	-
Kharif 2017	Low milk yield due to negative energy balance	Assessment	Animal Nutrition Management	Dairy	-	01	10	Assessment of bypass fat (rumen protected fat) in diets of cross breed cows	-	-	-	-
Kharif 2017	High incidence of acidosis and anorexia	Assessment	Animal Nutrition Management	Goatery	-	01	10	Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevesiae</i>) in goats	-	-	-	-
Kharif 2017	Low availability of green fodder due to scarcity of land and water	Assessment	Animal Nutrition Management	Dairy	-	01	10	Assessment of Azolla as green proteinous fodder in Crossbred cows	-	-	-	-
Rabi 2017- 18	Low milk production due to deficiency of	Assessment	Animal Nutrition Management	Dairy	-	01	10	Assessment of Calicum, Phosphorus and Vit. D	-	-	-	-

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
	calcium and phosphorus							supplement during lactation period in crossbreed cows				
Kharif 2017	Low yield and poor quality of Soybean crop due to imbalance use of Potash	Assessment	INM	Soybean	Rainfed	01	10	Assessment of use of potassium nutrition in soybean crop	-	-	-	-
Rabi 2017- 18	No use of bio fertilizer and deficiency of molybdenum	Assessment	INM	Chick Pea	Irrigated	01	10	Assessment of use of liquid biofertilizer (Rhizobium +PSB) and micronutrient (Ammonium molybdate) for seed treatment in chickpea	-	-	-	-
Rabi 2017- 18	Lack of knowledge of proper storage practices for seed purposed	Assessment	Storage practices	Chickpea	-	01	10	Assessment of storage practices of pulses	-	-	-	-
Kharif 2017	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	-	-	-	-
Rabi	Low income of	Assessment	Value	Aonla	-	1	10	Assessment of value	-	-	-	-

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	farm women due to no value addition in aonla		addition					addition in aonla for income generation				
Rabi 2017- 18	No value addition in soybean	Assessment	Value addition	Soybean	-	1	10	Assessment of value addition in soybean (soya flour) for income generation	-	-	-	-
2017- 18	Lack of Timely and need based information	Assessment	ICT in agriculture	-	-	1	100	Project on study of ICT tools – mobile messaging, social media (Whatsapp) in dissemination of agricultural messages	-	-	-	-

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of Chemical for management white fly in Soybean	-	-
Assessment of improved wheat variety Pusa Anmol under irrigated condition	-	-
Assessment of improved Chickpea variety KRIPA (Phule G 0517)	-	-
Assessment of Integrated Nutrient Management in rainfed condition in Marigold	-	-
Assessment of Bhimashakti (DOGR-1156) variety of onion at Indore district	-	-
Assessment of Raised bed sowing method for Chick Pea	-	-
Assessment of power operated grain cleaner for wheat	-	-
Assessment of power weeder for weeding in Soybean	-	-
Assessment of bypass fat (rumen protected fat) in diets of cross breed cows	-	-
Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevesiae</i>) in goats	-	-
Assessment of Azolla as green proteinous fodder in Crossbred cows	-	-
Assessment of Calicum, Phosphorus and Vit.D supplement during lactation period in crossbreed	-	-

cows		
Assessment of use of potassium nutrition in soybean crop	-	-
Assessment of use of liquid biofertilizer (Rhizobium +PSB) and micronutrient (Ammonium molybdate) for seed treatment in chickpea	-	-
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 role of value addition of aonla in income generation	-	-
Assessment of soya flour as value addition in soybean	-	-
Project on study of ICT tools – mobile messaging, social media (Whatsapp) in dissemination of agricultural messages	-	-

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 Chemical for management white fly in Soybean	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of improved wheat variety Pusa Anmol under irrigated condition	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of improved Chickpea variety KRIPA (Phule G 0517)	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Integrated Nutrient Management in rainfed condition in Marigold	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Bhimashakti (DOGR-1156) variety of onion at Indore district	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Raised bed sowing method for Chick Pea	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of power operated grain cleaner for wheat	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of power weeder for weeding in Soybean	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of bypass fat (rumen protected fat) in diets of cross breed cows	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Rumen specific live yeast culture – (<i>Saccharomyces cerevisiae</i>) in goats	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of Azolla as green proteinous fodder in Crossbred cows	-	-	-	-	-	-	-	-	-	-	-	-

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 Calcium, Phosphorus and Vit.D supplement during lactation period in crossbreed cows	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of use of potassium nutrition in soybean crop	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of use of liquid biofertilizer (Rhizobium +PSB) and micronutrient (Ammonium molybdate) for seed treatment in chickpea	-	-	-	-	-	-	-	-	-	-	-	-
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 role of value addition of aonla in income generation	-	-	-	-	-	-	-	-	-	-	-	-
Assessment of soya flour as value addition in soybean	-	-	-	-	-	-	-	-	-	-	-	-
Project on study of ICT tools – mobile messaging, social media (Whatsapp) in dissemination of agricultural messages	-	-	-	-	-	-	-	-	-	-	-	-

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2016-17)

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
Soybean	Improved Implement	Raised bed sowing of soybean and Chickpea	Training, demonstrations and extension literature	-	-	-
Wheat	Improved Implement	Use of Reaper cum binder for harvesting of wheat	Training, demonstrations and extension literature	-	-	-
Chickpea	ICM	Improved variety Kripa and PKV-4 of chickpea	Training, demonstrations and extension literature	-	-	-
Garlic	INM	INM in Garlic and Onion	Training, demonstrations and extension literature	-	-	-

3.2 Details of FLDs to be implemented during 2017-18

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
Improved Variety	Wheat	Rabi 2017- 18	Improved wheat variety RVS 4106	5 ha	RVS 4106	-	-	-	-	-	-	13	13
Improved Variety	Chickpea	Rabi 2017- 18	Wilt resistant and improved variety of chickpea PKV 4	5 ha	PKV 4	-	-	-	-	-	-	13	13
INM	Soybean	Kharif 2017	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	Chrysanthemum	Kharif 2017	Use of biofertilizer and Micronutrient (Fe, Bo and Zn) in Chrysanthemum	2.5ha	Rajamal	-	-	-	-	-	-	10	10
INM	Garlic	Rabi 2017- 18	Use of source of nitrogen fertilizer and their time of application in Garlic	2.5 ha	G-282	-	--	-	-	-	-	10	10
IDM	Garlic	Rabi 2017- 18	Management of root rot by seed treatment in Garlic	2.5 ha	G-282	-	-	-	-	-	-	10	10
IDM	Onion	Rabi 2017- 18	Management of thrips in onion	2.5 ha	ARL	-	-	-	-	-	-	10	10
Improved Implement	Soybean	Kharif 2017	Use of improved field preparation implement for soybean (Reversible Plough)	5 ha	-	-	-	-	-	-	-	13	13
Improved Implement	Soybean	Kharif 2017	Use of raised bed sowing technique for soybean	2.5 ha	-	-	-	-	-	-	-	10	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
Improved Implement	Wheat	Rabi 2017- 18	Use of reaper cum binder for harvesting wheat	2.5 ha	-	-	-	-	-	-	-	10	10
Improved Implement	Garlic	Rabi 2017- 18	Use of Rotavator for field preparation for garlic	2.5 ha	-	-	-	-	-	-	-	10	10
Animal Disease Management	Goatery	Kharif 2017	Use of Anthelmintics (Fenbendazole) Drugs in goats	20 No.	-	-	-	-	-	20	-	-	20
Animal Nutrition	Dairy	Rabi 2017- 18	Use of pro biotics in cross breed cow	10 No.	-	-	-	-	-	-	-	10	10
Animal Disease Management	Dairy	2017- 18	Use of Vitamin E and selenium in dry period to manage mastitis in dairy animals	10 No.	-	-	-	-	-	-	-	10	10
Animal Disease Management	Dairy	2017- 18	Use of Soda phos to prevent post parturient Haemoglobin urea in buffalo	10 No.	-	-	-	-	-	-	-	10	10
INM	Soybean	Kharif 2017	Use of Sulpher in Soybean	2.5 ha	-	-	-	-	-	-	-	10	10
INM	Wheat	Rabi 2017- 18	Use of Zinc Sulphate in Wheat	2.5 ha	-	-	-	-	-	-	-	10	10
Drudgery Reduction	Women in Agri	Rabi 2017- 18	Drudgery Reduction in Seed Grading	10 No.	-	-	-	-	-	2	-	8	10
Nutritional garden	Women in Agri.	Kharif 2017	Demonstration on Nutritional Garden	10 No.	-	-	-	-	-	2	-	8	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
Wheat	Improved wheat variety RVS 4106	No. of Tillers /meter	-	-	-	-	-	-	-	-	-	-
Chickpea	Wilt resistant and improved variety of chickpea PKV 4	Pods per plant	-	-	-	-	-	-	-	-	-	-
Soybean	Use of liquid bio- fertilizer for seed inoculation in soybean	No. of nodule/plant, No. of Pods /plant	-	-	-	-	-	-	-	-	-	-
Chrysanthemum	Use of bio fertilizer and Micronutrient (Fe, Bo and Zn) in Chrysanthemum	Size of flowers	-	-	-	-	-	-	-	-	-	-
Garlic	Use of source of nitrogen fertilizer and their time of application in Garlic	No. of sprouted cloves	-	-	-	-	-	-	-	-	-	-
Garlic	Management of root rot by seed treatment in Garlic	Germination %	-	-	-	-	-	-	-	-	-	-
Implement	Use of improved field preparation implement for soybean (Reversible Plough)	Field Capacity, Depth of furrow, Weed infestation (no/sq.m.),	-	-	-	-	-	-	-	-	-	-

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
Implement	Use of raised bed sowing technique for soybean	Moisture %, Plant Population	-	-	-	-	-	-	-	-	-	-
Implement	Use of reaper cum binder for harvesting wheat	Cost Saving (Rs/ha) Labour Saving (no/ha) harvesting loss (kg/ha)	-	-	-	-	-	-	-	-	-	-
Implement	Use of Rotavator for field preparation for garlic	Field capacity (ha/hr), Cost Saving (Rs/ha) Time Saving (hr/ha)	-	-	-	-	-	-	-	-	-	-
Goatery	Use of Anthelmintics (Fenbendazole) Drugs in goats	Worm infestation %, body weight gain	-	-	-	-	-	-	-	-	-	-
Dairy	Use of pro biotics in cross breed cow	Increase in milk yield%, disease incidence %	-	-	-	-	-	-	-	-	-	-
Dairy	Use of Vitamin E and selenium in dry period to manage mastitis in dairy animals	disease incidence %	-	-	-	-	-	-	-	-	-	-

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
Dairy	Use of Soda phos to prevent post parturient Haemoglobinurea in buffalo	disease incidence%	-	-	-	-	-	-	-	-	-	-
Soybean	Use of Sulpher in Soybean	No. of pods/plant	-	-	-	-	-	-	-	-	-	-
Wheat	Use of Zinc Sulphate in Wheat	No. of effective tiller/running m	-	-	-	-	-	-	-	-	-	-
Women in agri.	Drudgery Reduction in Seed Grading	Labour saving (hours)	-	-	-	-	-	-	-	-	-	-
Women in agri.	Demonstration on Nutritional Garden	Yield	-	-	-	-	-	-	-	-	-	-

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	-

Crop	Activity	No. of activities organized	Number of participants	Remarks
Improved Implement	Farmers Training	2	40	-
	Media coverage	1	-	-
	Training for extension functionaries	1	15	-
	Field days	1	40	-
	Farmers Training	4	80	-
	Media coverage	-	-	-
Garlic	Training for extension functionaries	1	20	-
	Field days	1	20	-
	Farmers Training	1	20	-
	Media coverage	-	-	-
Chrysanthemum	Training for extension functionaries	1	20	-
	Field days	1	20	-
	Farmers Training	1	20	-
	Media coverage	1	-	-
Chrysanthemum	Training for extension functionaries	1	15	-
	Field days	1	20	-
	Farmers Training	1	20	-
	Media coverage	1	-	-

3.5 Details of FLD on crop hybrids.

S. 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.	Indore	-	-	-	-	-

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
Indore	-	-	-	-

4.2. Feedback from KVK to Research System.

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

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 Farmwomen	PRA, Group Discussion, Meeting	Basi Pipari, Mend (June 2017)	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)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
2	3	4	5	6	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	-
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 cluster bean.	01	01	04	-	04	-	12	-	20	-
FW	OFC	HOF	Nursery rising in marigold.	01	01	04	-	04	-	12	-	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15
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	-
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 Sowing method for soybean	01	01	14	-	6	-	-	-	20	-
FW	OFC	AEG	Hand operated weeding equipments for small farmers	01	01		-	6	-	14	-	20	-

Cate- gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Total	
						M	F	M	F	M	F	M	F
2	3	4	5	6	7	8	9	10	11	12	13	14	15
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	-
RY	ONC	AEG	General care and maintenance of farm tractor.	01	03	18	-	-	-	02	-	20	-
RY	ONC	AEG	Skill development for house wiring/Tractor repair	01	15	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 INM in Kharif crops	01	01	10	-	05	-	05	-	20	-
FW	OFC	SFM	Use of soil health card and SHB Fertilizer application in Kharif crops.	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 soybean.	01	01	10	-	05	-	05	-	20	-
RY	ONC	SFM	Role of INM in Rabi crops	01	07	10	-	05	-	05	-	20	-
FW	ONC	WOE	Drudgery Reduction by improved implements (Seed separator) in chickpea	01	02	-	15	-	03	-	02	-	20
RY	OFC	WOE	Income generation for rural youth through value addition in tomato and chilli	01	04	-	15	-	03	-	02	-	20
FW	OFC	WOE	Use of soybean in our daily food	01	01	-	15	-	03	-	02	-	20
RY	OFC	WOE	Use of soybean in our daily food and its value addition	01	04	-	15	-	03	-	02	-	20
FW	OFC	WOE	Drudgery reduction for farm women by using manual operated seed grader (Soybean)	01	01	-	15	-	03	-	02	-	20
FW	OFC	WOE	Nutritional kitchen gardening for family use	01	01	-	15	-	03	-	02	-	20
RY	OFC	WOE	Nursery management	01	07	-	15	-	03	-	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15
FW	OFC	WOE	Management of bio degradable waste through vermi composting	01	01	-	15	-	03	-	02	-	20
FW	OFC	WOE	Drudgery reduction through improved implement (Wheal hoe) in maize	01	01	-	15	-	03	-	02	-	20
FW	OFC	WOE	Drudgery reduction through improved implement (maize sheller)	01	01	-	15	-	03	-	02	-	20
IS	ONC	WOE	Value addition of wheat and soybean fours by making bakery products	01	02	-	15	-	03	-	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
Seed Production	Soybean & Wheat	ICM	30 days	10	-	05	-	05	-
Vermi composting	-	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

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	
Indore	-	-	-	-	-

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)	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 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
		Before	After	Before	After	Before	After	
INM in wheat	25	-	-	-	-	-	-	-
Nutritional management in potato	25	-	-	-	-	-	-	-
Vaccination in Dairy animals	25	-	-	-	-	-	-	-
Use of reaper cum binder for wheat harvesting.	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	-	-	-	-
Film Show	18	-	150	30	150	30	50	-	-	-	-
Method Demonstrations	08	-	40	40	40	40	20	-	-	-	-
Farmers Seminar	-	-	-	-	-	-	-	-	-	-	-

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			
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	-	-	-	-	-	-	-
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	52 messages	-	14000	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	50	qtl	80000	-
Oilseeds	Soybean	JS 9560, JS 9305	SD	20	qtl	60000	-
Pulses	Chick Pea	JG 6, JG-16, PKV-4, Kripa, JGK-3	SD	20	qtl	80000	-

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.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Indore	Bio Agents	-	-	-	-

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 :-

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	-	50000	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

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)

No. of messages to be sent	No. of beneficiaries		Major recommendations
	Farmers	Ext. Pers.	
52	14500	50	

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Indore	May 2017	20	
Indore	Sep2017	20	

12. Literature to be 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
Indore	2007	Quarterly	200	200

12.2 Details of Electronic Media to be Produced

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

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
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	-
RKVY	Central	-	-	District	-
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)
May	2017	General care and maintenance of farm tractor.	01	20	-	-
May	2017	Soybean Production Technology	01	20	-	-
May	2017	Various sowing method for soybean	01	20	-	-
May	2017	STB Fertilizer application in soybean.	01	20	-	-
June	2017	Sowing technique, seed treatment and seed inoculation in soybean.	01	20	-	-
June	2017	Preparation and use of vermicompost	30		-	-
Sept	2017	Chrysanthemum Production Technology	01	20	-	-
October	2017	Wheat Production Technology	01	20	-	-
October	2017	Use of biofertilizer in vegetable crops	01	20	-	-
October	2017	STB Fertilizer application in chickpea.	01	20	-	-
November	2017	Seed Production Technology	30	20	-	-
November	2017	IPM in Chickpea.	01	20	-	-
November	2017	Dairy farming (Improved A.H. practices)	01	20	-	-
November	2017	Care and maintenance of tractor operated field preparation	01	20	-	-

Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
		implements (cultivator, rotavator, plough etc.)				
December	2017	IPM in Chickpea.	01	20	-	-
December	2017	Scientific feeding and balance diet	01	20	-	-
January	2017	Skill development for house wiring/Tractor repair	15	20	-	-

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
Indore	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-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Introduction of Crop varieties	2 (Kharif 2017 & Rabi 2017-18)

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, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1.	August 2017	20
2.	January 2017	20

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Indore	02	04	04	50

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.	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

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

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	-	-

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	Indore	Dairy 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
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	-	-	-	-

Verms Produced

Name of KVK	Verms 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: NA**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 –

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

KVK, Raisen

PERIOD – April 2017 to March, 2018

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	24	150			
FLDs – Oilseeds (activity in ha)	2	125			
FLDs – Pulses (activity in ha)	4	225			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	10	90			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)					
Training-Farmers and farm women	68	1300			
Training-Rural youths	6	125			
Training- Extension functionaries	6	100			
Extension Activities	40	1000			
Seed Production (Number of activity as seeds in quintal)	500	-			
Planting material ((Number of activity as quantity of planting material in quintal)	2000	-			
Seedling Production (Number of activity as number of seedlings in numbers)	5000	-			
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	10	3000			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	50	48000			
SAC Meeting (Date & no. of core/ official members)	02	5/6/2017, 4/10/2017			
Literature to be Developed/Published	10	-			
Convergence programmes / Sponsored programmes	02	-			
Utilization of Farmers Hostel	-	-			

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 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)	07/35	-			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	02	-			
Important visitors to KVK	05	-			
Status of KVK Website	Functional				
Status of RTI	-				
E-connectivity	Functional				
Details of Technology Week Celebrations	5	200			
Interventions on Drought Mitigation	2	50			

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. Swapnil Dubey	Agronomy	M.Sc (Ag), Ph.D.	Agronomy	37400-67000 G.P. 9000	49230	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	25840	31 st January, 2009	Permanent	GEN
Subject Matter	Mr. Ranjeet	Soil Science	M.Sc. (Ag.)	Soil Science	15600-	22280	1 st July,	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)
Specialist2	Singh Raghav				39100 G.P. 5400		2014		
Subject Matter Specialist3	Ms. Lakshmi Chakravarti	Home Science	M.H.Sc. (Food & Nutrition), M.Phil.	Home Science	15600-39100 G.P. 5400	22280	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	21630	1 st April, 2015	Permanent	GEN
Subject Matter Specialist5	Mukul Kumar	Horticulture	M.Sc. (Ag.) (Horticulture)	Horticulture	15600-39100 G.P. 5400	21000	3 rd Feb, 2016	Temporary	GEN
Subject Matter Specialist6	Vacant	Agriculture Engineering	-	-	-	-	-	-	-
Programme Assistant	Dr. Anshuman Gupta	Veterinary Science	B.V.Sc & AH, MSW & PGDRD	Animal Science	9300-34800 G.P. 4200	20480	25 th March, 2004	Permanent	GEN
Farm Manager	Mr. Sunil Kethwas	Farm Manager	B.Sc (Ag.)	-	9300-34800 G.P. 4200	17130	10 th Oct, 2007	Permanent	SC
Computer Programmer	Mr Pankaj Bhargava	Computer Science	MCA	Computer Science	9300-34800 G.P. 4200	20480	8 th April, 2004	Permanent	GEN
Accountant / superintendent	Mr. Rajkumar Makode	Accounts	M.Com.	-	9300-34800 G.P. 4200	15670	1 st July, 2011	Permanent	OBC
Stenographer	Mrs. Aruna Somkunwar	Stenographer	M.A & PGDRD	Stenography	5200-20200 G.P. 2400	13920	22 nd March, 2004	Permanent	SC
Driver	Mr. Ubed Khan	Jeep Driver	10 th	-	5200-20200 G.P. 2000	11210	5 th February, 2005	Permanent	GEN
Driver	Mr. Vijay Kumar Sahu	Tractor Driver	10 th	-	5200-20200	7200	1 st Apr, 2016	Temporary	OBC

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)
					G.P. 2000				
Supporting staff	Mr. A. Chakraborty	Supporting Staff	12 th	-	5200-20200 G.P. 1800	9730	1 st July, 2004	Permanent	GEN
Supporting staff	Mr. Sanjay Chaudhary	Supporting Staff	B.Com.	-	5200-20200 G.P. 1800	9160	7 th April, 2006	Permanent	SC

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

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

Sr. No.	Particulars	Detail
	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 1.4.2016 to 31.3.2017 (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)
Bhanpur Garhi	2014	Gairatganj	40	850	90
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)

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Raisen	Low yield of Rice due to use of old variety	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low yield of paddy due to heavy	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	infestation of weed.		Gairatganj Block
Raisen	Low yield of onion due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low yield of Brinjal due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low yield of Rice due to heavy infestation of blast.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low yield of Soybean due to heavy infestation of <i>Helicoverpa</i> .	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Grazing without any mineral & salt supplement.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low Knowledge & Adoption of varietal technology of soybean	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low Yield of soybean due to imbalance use of fertilizer	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low germination of paddy seedling.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low efficiency and improper seed treatment	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low yield of Gram due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	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
Raisen	Low yield of tomato due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low yield of Pea due to use of old variety.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low production of chilli due to leaf curl.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low milk yield due to calcium and vitamins deficiency after parturition.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	High mortality and low productivity in backyard poultry.	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/ Gairatganj Block
Raisen	Low knowledge & adoption of	PRA/Group Discussion	Bhanpur Garhi & Hinotiya Khas/

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
	varietal technology of Wheat		Gairatganj Block
Raisen	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 Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
									Farmer practice T1	Rec. Tech T2	T1	T2
Kharif- 2017	No profitable options are available for income generation in kharif season.	Assess.	CMP	Maize	Rainfed	05	05	Assessment of hybrid sweet corn in kharif season.	-	-	-	-
Kharif- 2017	Low yield of pigeonpea due to affected by frost.	Assess.	CMP	Pigeonpea	Rainfed	05	05	Assessment of SPI technology in pigeonpea production	-	-	-	-
Kharif- 2017	Low yield of Soybean due use of old variety (JS 93-05).	Assess.	CMP	Soybean	Rainfed	05	05	Assessment of Improved variety of Soybean JS 20-34, JS 20-29.	-	-	-	-
Kharif- 2017	Low yield of soybean crop due to high incidence of yellow mosaic virus disease	Assess.	IDM	Soybean	Rainfed	05	05	Assessment of Thiamethoxam for the management of yellow mosaic virus disease of soybean	-	-	-	-
Kharif-	Low yield of	Assess.	IDM	Paddy	Irrigated	05	05	Assessment of	-	-	-	-

2017	paddy due to false smut disease of paddy							Copper oxychloride and Carbendazim for the management of false smut of paddy.				
Kharif-2017	Sheath blight & stem borer is one of the major problem in the district causing serious yield losses	Assess.	IDM	Paddy	Rainfed	05	05	Assessment of Chemicals against Sheath Blight & insect pests of Rice.	-	-	-	-
Kharif-2017	Low yield due to less female flowers	Assess.	HOV	Sponge gourd	Irrigated	05	05	Assessment of PGR on flowering and fruiting of sponge gourd	-	-	-	-
Kharif-2017	Low yield of Ginger due use of traditional variety .	Assess.	HOV	Suprabha	Irrigated	05	05	Assessment of Improved variety of Ginger (Suprabha).	-	-	-	-
Kharif-2017	Low yield of rice due to physiological disorder khaira disease.	Assess.	INM	Paddy	Irrigated	05	05	Assessment of micronutrients Zinc in transplanted rice.	-	-	-	-
Kharif-2017	Low yield of soybean due to non use of sulphur in soybean.	Assess.	INM	Soybean	Rainfed	05	05	Assessment of Sulphur Through Bentonite Sulphur in Soybean	-	-	-	-
Kharif-	Low milk	Assess.	AS	Maize	Irrigated	05	05	Assessment of	-	-	-	-

2017	production in dairy animals.							cultivation and feeding of Maize fodder (ATM) for milk production in dairy animals.				
Kharif-2017	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.	-	-	-	-
Kharif-2017	Low efficiency and improper seed treatment	Assess.	Drudgery reduction	Soybean	Rainfed	05	05	Assesment of seed treating drum for drudgery reduction among farm women in soybean crop	-	-	-	-
Rabi-2017-18	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.	-	-	-	-
Rabi-2017-18	Yellowness in leafs of wheat resulting low yield	Assess.	PLP	Wheat	Irrigated	05	05	Assessment of Fipronil 80% WDG for management of root aphids in wheat.	-	-	-	-
Rabi-2017-	Low yield of chick pea due	Assess.	PLP	Gram	Irrigated	05	05	Assessment of IPM in chick	-	-	-	-

18	to high incidence of wilt disease and infestation of gram pod borer							pea for the management of wilt disease and gram pod borer				
Rabi-2017-18	Low yield and poor keeping quality due to inappropriate variety and non adoption of integrated approach	Assess.	PHM	Onion	Irrigated	05	05	Assessment of of integrated approaches to increase shelf-life of Onion as PHM.	-	-	-	-
Rabi-2017-18	Low yield of tomato due use of traditional variety	Assess.	HOV	Tomato	Irrigated	05	05	Assessment of Hybrid variety of Tomato (Arka Rakshak).	-	-	-	-
Rabi-2017-18	Low yield due to inadequate dose of fertilizers	Assess.	INM	Wheat	Irrigated	05	05	Assessment of nutrient management in wheat under limited irrigation condition	-	-	-	-
Rabi-2017-18	Low fertilizer use efficiency in Rainfed Gram	Assess.	INM	Gram	Irrigated	05	05	Assessment of 18 : 18 : 18 water soluble fertilizer in gram under rainfed condition	-	-	-	-
Rabi-2017-18	Low milk yield due to lack of essential mineral,	Assess.	AS	UMMB	Irrigated	05	05	Assessment of urea molasses mineral block (UMMB) for	-	-	-	-

	energy protien & salt rich diet.							milk production in dairy animals.				
Rabi-2017-18	Low milk production due to lack of green fodder in dairy buffalo.	Assess.	AS	Azola	Irrigated	05	05	Assessment of Azola production & feeding to dairy buffalos.	-	-	-	-
Rabi-2017-18	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.	-	-	-	-
Rabi-2017-18	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.	-	-	-	-

2.1a Recommendations of OFTs

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 2016-17)

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 2017-18

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
ICM	Blackgram	Kharif-2017	Imazathapyre for weed control in Blackgram.	Black gram/2/5	Imazathapyre	-	-	-	-	-	-	-	-
ICM	Drumstick	Kharif-2017	Improved variety PKM-1 of Drumstick.	Drumstick/2/10	PKM-1	-	-	-	-	-	-	-	-
IDM	Chilli	Kharif-2017	IDM of Leaf Curl virus in Chilli.	Chilli/0.5/10	Acetamiprid 125 gm/ha + wetttable sulphur 500 gm/ha	-	-	-	-	-	-	-	-
AS	Livestock	Kharif-2017	Mineral Salt lick in lactating Buffaloes	10	Mineral Salt lick	-	-	-	-	-	-	-	-
INM	Onion	Kharif-2017	Sulphur application in Onion	Onion/1/5	Sulphur	-	-	-	-	-	-	-	-
WA	Paddy	Kharif-2017	Cono weeder in paddy crop	Paddy/2/5	cono weeder	-	-	-	-	-	-	-	-

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
WA	Pigeonpea	Kharif-2017	Spiral seed grader in Arhar	Pigeonpea/2/5	Spiral Grader	-	-	-	-	-	-	-	-
ICM	Wheat	Rabi 2017-18	Sulfosulfuron + Metsulfuron for weed control in Wheat	Wheat/2/5	Sulfosulfuron + Metsulfuron	-	-	-	-	-	-	-	-
IPM	Gram	Rabi 2017-18	IPM module for control of pod borer in gram.	Gram/2/5	IPM	-	-	-	-	-	-	-	-
HOO	Marigold	Rabi 2017-18	Production technology of hybrid Marigold.	Marigold/0.5/10	African marigold double orange	-	-	-	-	-	-	-	-
INM	Gram	Rabi 2017-18	Molybdenum and Rhizobium inoculation on yield of gram.	Gram/1/5	Molybdenum and Rhizobium	-	-	-	-	-	-	-	-
AS	Oral Calcium	Rabi 2017-18	Methochelated oral calcium supplementation on milk production in dairy buffaloes.	10	Oral Calcium	-	-	-	-	-	-	-	-
AS	Backyard Poultry	Rabi 2017-18	Kadaknath as Backyard Poultry in Tribal areas.	10	Kadaknath	-	-	-	-	-	-	-	-

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	Soybean	Rabi 2017-18	Liquid seed inoculants in Soybean	Soybean/1/5	Liquid Rhizobium, PSB and KMB	-	-	-	-	-	-	-	-
WA	Vegetables	Rabi 2017-18	Twin –wheel hoe in vegetable crops.	Vegetables/2/5	Twin –wheel hoe	-	-	-	-	-	-	-	-

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
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.

S. 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
Vocational	Group Discussion- During the Group Discussion farmers have interested of training on Soybean Production Technology	12 th February 2014 Bhanpur garhi (Gairatganj)	20
Vocational	Group Discussion – During the Group Discussion farmers/farmwomen have interested of training Soybean Production Technology	23 rd February 2014 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 2015 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 2016 Agariya Chopra (Sanchi)	17
Rural Youth	Exploratory Visit- During the exploratory visit	24 th March 2016 Bilarkhoh(Sanchi)	20

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
	farmwomen's have interested of training on SHGs formation, management & linkages with market.		
Vocational	Exploratory Visit- During the exploratory visit farmers have keeps interest of training of fruit and vegetable cultivation.	08 th January 2015 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 2015 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 2014 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 2015 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 2015 Ratanpur Budha 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 th Novmber 2016 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 -2015 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 2015 Ratanpur Budha (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 (Hinotiya khash & Bhanpurgarhi) keep interest to production &	18 December 2014 Hinotiya khash, Bhanpurgarhi (Gairatganj)	28

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
	marketing of vermicompost.		
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, 2014 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, 2014 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, 2016 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, 2016 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, 2014 Hinotiya khash (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 2014 Bhanpurgarhi (Gairatganj)	20
Vocational Training	Exploratory Visit- during the group discussion	23 th December 2016	19

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
	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.	Rangpura keshari/ (Sanchi)	

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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 vegetable crop	1	1	20	-	-	-	-	-	-	-	-
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	SFM	Integrated Nutrient Management wheat	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			crop											
FW	ONC	SFM	Micro nutrient management in vegetable crops	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	SFM	Soil Testing and fertilizer management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	SFM	Integrated Nutrient Management Soybean crop	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	SFM	Integrated Nutrient Management Paddy crop	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	OFC	LPM	Poultry rearing and management	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Value addition of seasonal crop	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Preparation and advantage of organic farming for Farm women	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Nutritional kitchen Gardening for nutritional security	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	WOE	Plantation technique for different crop for weeding operation for drudgery reduction	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	PLP	Integrated Pest Management kharif crops	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	PLP	Integrated Pest Management in field crops	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	PLP	Integrated Disease Management in kharif crops	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	PLP	Integrated Disease Management kharif crops	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	CBD	Importance role of leadership for agriculture development	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	CBD	Role of state/central scheme in agriculture Development	1	1	20	-	-	-	-	-	-	-	-
FW	ONC	CBD	Importance & role of ICT in Agriculture	1	1	20	-	-	-	-	-	-	-	-
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	Production technique for organic compost	1	5	15	-	-	-	-	-	-	-	-
RY	OFC	WOE	Backyard poultry	1	5	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			production & Management											
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 fields crops	1	1	20	-	-	-	-	-	-	-	-
IS	OFC	PLP	Integrated pest management in fields crops	1	1	20	-	-	-	-	-	-	-	-
IS	ONC	HOV	Production technology of horticultural crop under protected cultivation	1	1	20	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
IS	OFC	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	-	-	-	-	-	-	-	-

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	ONC	HOV	Nursery raising technology for vegetable crop	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	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 management	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Gender mainstreaming	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			through SHGs											
FW	OFC	WOE	Storage losses minimization technique	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Income generation activities for empowerment of rural Women	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Awareness of Goatary farming among rural women	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Fuel making processes by agricultural waste product for drudgery reduction	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	WOE	Method of seed treatment and use of bio fertilizers	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 crop	1	1	20	-	-	-	-	-	-	-	-
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-	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			pesticide in Rabi											
FW	OFC	CBD	Importance role of leadership for agriculture development	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CBD	Formation and Management of SHGs	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CBD	Role of different state / central agriculture schemes for farming community	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CBD	Formation and Management of SHGs	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CBD	Crop Planning of Kharif Seasons	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CBD	Crop Planning of Rabi Seasons	1	1	20	-	-	-	-	-	-	-	-
FW	OFC	CBD	Importance & role of ICT in Agriculture	1	1	20	-	-	-	-	-	-	-	-
RY	OFC	HOV	Production technology Commercial Fruit Production	1	5	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
Production technology Commercial Fruit Production	Fruit crop	HOF	5 days	-	-	-	-	-	-
Low cost nursery raising technology	Vegetable crop	HOV	5 days	-	-	-	-	-	-
Production technology of flower crops	Flower crop	HOF	5 days	-	-	-	-	-	-
Planting material production of fruit crop	Fruit crop	HOF	5 days	-	-	-	-	-	-
Fruit & vegetable preservation	Fruit &	HOF	5 days	-	-	-	-	-	-

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
	Vegetable crop								
Production technique for organic compost	-	WOE	5 days	-	-	-	-	-	-
Backyard poultry production & Management	-	WOE	5 days	-	-	-	-	-	-
Dairying	Livestock	LPM	5 days	-	-	-	-	-	-
Fodder production	Fodder crop	LPM	5 days	-	-	-	-	-	-
Poultry management	-	LPM	5 days	-	-	-	-	-	-
Seed Production technology of Rabi crop	Rabi crop	CMP	5days	-	-	-	-	-	-

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

Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/R/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/R/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			
Field Day	4										
Kisan Mela	2										
Kisan Ghosthi	4										
Exhibition	2										
Film Show	10										
Method Demonstrations	2										
Farmers Seminar	4										
Workshop	2										
Group meetings	8										
Lectures delivered as resource persons	10										
Newspaper coverage	40										
Radio talks	12										
TV talks	12										
Popular Articles	25										
Extension Literature	30										
Farm Advisory Services	4										
Scientific visit to farmers field	30										
Farmers Visit to KVK	300										
Diagnostic Visits	8										
Exposure Visits	2										
Ex-trainees Sammelan	2										
Soil Health Camp	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			
Animal Health Camp	2										
Agri Mobile Clinic	-										
Soil Test Campaigns	2										
Farm Science Club conveners meet	2										
Self Help Group conveners meetings	2										

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

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	-	-	-	Bhima Red	5000 Seedlings	-	-	-	-
Vegetables	Brinjal	-	-	-	Pusa purple long	5000 seedlings	-	-	-	-
Vegetables	Tomato	-	-	-	Badshah	5000 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	
Bio Agents				

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

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	-	-	-	-	-

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.	
50	48000	255	-

11. Details of SAC Meeting

Date of SAC meeting	No. of SAC members attended	Major recommendations
05/06/2017	-	-
04/10/2017	-	-

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
January 2008	Quarterly		
	April-June 2017	300	300
	July-September 2017	300	300

Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
	October- December 2017	300	300
	January- March 2018	300	300

12.2 Details of Electronic Media to be Produced

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

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	16	-	-	-	-
News paper coverage	25	-	-	-	-
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	-	-	-	-	-

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

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	-	-

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

Number of Blocks		Number of Villages	
Intensive	Extensive	Intensive	Extensive
Sanchi	Begamganj	15	10
Gairatganj	Silwani	15	10
	Obedullaganj		10
	Badi		10
	Udaipura		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:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Raisen	29/04/2011	100	9679

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			

27. INTERVENTIONS ON DROUGHT MITIGATION**Introduction of alternate crops/varieties**

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

Major area coverage under alternate crops/varieties

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

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1.	Raisen	Dairy Management		

Animal health camps to be organized

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

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

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

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)

KVK, Ratlam

PERIOD – April 2017 to March, 2018

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	17	138			
FLDs – Oilseeds (activity in ha)	15	30			
FLDs – Pulses (activity in ha)	5	10			
FLDs – Cotton (activity in ha)	0	0			
FLDs – Other than Oilseed and pulse crops(activity in ha)	31	62			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	3	60			
Training-Farmers and farm women	58	1666			
Training-Rural youths	5	70			
Training- Extension functionaries	6	109			
Extension Activities	23	1250			
Seed Production (Number of activity as seeds in quintal)	6	149			
Planting material ((Number of activity as quantity of planting material in quintal)	24600	2295			
Seedling Production (Number of activity as number of seedlings in numbers)	8000	165			
Sapling Production (Number of activity as number of sapling in numbers)	16600	2130			
Other Bio- products (No. of quantity)	50q	30			
Live stock products	3	12			
Activities of Soil and Water Testing Laboratory	1250	950			
Rainwater Harvesting System					
Kisan Mobile Advisory (KVK-KMA)	45	42400			
SAC Meeting (Date & no. of core/ official members)	2	40			
Literature to be Developed/Published	66	4000			
Convergence programmes / Sponsored programmes	0	0			
Utilization of Farmers Hostel	10	225			
Utilization of Staff Quarters	6	6			
Details of KVK Agro-technological Park					

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	
Crop Cafeteria-	165	750			
Farm Innovators- list of 10 farm innovators from the District	1	10			
Status of Revolving Funds	-	-			
Awards and Recognitions	-	-			
Case study / Success Story to be developed	4	4			
KVK Progressive Farmers interaction	2	40			
Outreach of KVK in the District (No. of blocks, no. of villages)	6	32			
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	2	6			
Important visitors to KVK	10	-			
Status of KVK Website					
Status of RTI					
E-connectivity					
Details of Technology Week Celebrations	2	500			
Interventions on Drought Mitigation					
Proposal of NAIP					
Proposal of NICRA	33	825			
Well labeled photographs					
Other Activities	3	1500			

1. GENERAL INFORMATION

1.1. Staff Position (31.03.2017)

Sanction post	Name of the incumbent	Discipline	Highest 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	31150	17.01.01	Permanent	Others
Subject Matter Specialist2	Dr. Mohd. Mustafa	SMS	Ph.D.	Horticulture	15600-39100 G.D. Rs. 5400	26670	04.02.08	Permanent	Others
Subject Matter	Dr. Sachindra	SMS	Ph.D.	Agril.	15600-39100	26670	04.02.08	Permanent	Others

Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present Basic Pay	Date of joining	Per./Temp.	Category
Specialist3	Kumar Pandey			Extension	G.D. Rs. 5400				
Subject Matter Specialist4	Dr. Kamini Kumari	SMS	Ph.D.	SMS (Soil Science)	15600-39100 G.D. Rs. 5400	21000	04.04.15	Temporary	Others
Subject Matter Specialist5	Vacant	-	-	-	-		-	-	-
Programme Assistant	Dr. Barkha Sharma	PA	Ph.D.	Home Science	9300-34800 G.D. Rs. 4200	17160	01.02.08	Permanent	Others
Farm Manager	Dr. D.R. Pachauri	PA	Ph.D.	Animal Husbandry	9300-34800 G.D. Rs. 4200	13900	18.03.14	Temporary	Others
Computer Programmer	Manoj Kumar Rajak	PA	M.Sc. & PGDCA	Computer	9300-34800 G.D. Rs. 4200	19450	16.05.05	Permanent	OBC
Accountant / superintendent	Anil Upadhyay		M.Com	-	9300-34800 G.D. Rs. 4200	16060	11.02.10	Permanent	Others
Stenographer	Vacant	-	-	-	-		-	-	-
Driver	Mata Prasad Sharma		12 th	-	5200 – 20200 G.D. Rs. 2000	12360	07.02.00	Permanent	Others
Driver	Ghyanshyam		8 th	-	5200 – 20200 G.D. Rs. 2000	11360	01.02.00	Permanent	OBC
Supporting staff	Niranjan Nath		12 th	-	4400-7440 G.D. 1300	9730	07.02.00	Permanent	OBC
Supporting staff	Mukesh		8 th	-	4400-7440 G.D. 1300	8960	16.08.95	Permanent	OBC
Supporting staff	Jagdish		5 th	-	4400-7440 G.D. 1300	8960	16.08.95	Permanent	SC

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

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%

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2017 to 31.3.2018 (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)
Dhamniya	2017-18	Bajana	80 km	599	
Rawti	2017-18	Bajana	82km	4948	
Harthal	2017-18	Bajana	85km	2267	
Morjhar	2017-18	Sailana	65km	528	
Ambakudi	2017-18	Sailana	50km	292	
Makodiyarundi	2017-18	Sailana	55km	439	
Kariya	2017-18	Sailana	42km	2053	
Richachanda	2017-18	Jaora	20km	991	
Kalaliya	2017-18	Jaora	20km	3514	
Uplai	2017-18	Jaora	28km	1918	
Jhalawa	2017-18	Jaora	25km	1414	

Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Sarsi	2017-18	Jaora	38km	2595	
Kerwasa	2017-18	Jaora	33km	1757	
Sarvanikhurd	2017-18	Ratlam	50km	496	
Kandarvasa	2017-18	Ratlam	28km	1870	
Mevasa	2017-18	Ratlam	28km	1290	
Hathnara	2017-18	Ratlam	35km	3487	
Kharwakhurd	2017-18	Alot	50km	1218	
Tajkheda	2017-18	Alot	38km	797	
Chaplakhedi	2017-18	Alot	40km	636	
Kishangad	2017-18	Alot	50km	1095	
Barkhedakala	2017-18	Alot	80km	2720	
Akyakurd	2017-18	Alot	50km	545	
Nawabganj	2017-18	Piploda	42km	541	
Jadwasa	2017-18	Piploda	25km	1352	
Barkhedi	2017-18	Piploda	18km	1757	
Manankheda	2017-18	Piploda	17km	1518	
Panchewa	2017-18	Piploda	8km	2611	
Ranigow	2017-18	Piploda	8km	2252	
Mawta	2017-18	Piploda	15km	4107	
Bacchudiya	2017-18	Piploda	15km	1236	

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

KVK Name	THRUST AREA
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 harms 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 2017	Low yield of soybean due to use of local variety	Assessment	CRP	Soybean	Rainfed	1	07	Assessment of soybean variety JS - 2034				
Kharif 2017	Low yield of maize due to use of local variety	Assessment	CRP	Black Gram	Rainfed	1	07	Assessment of black gram variety PU-31				
Kharif 2017	Low yield due to farmer use only Green Fodder+ Dry Fodder + Cake (No mineral mixture)	Assessment	LPM	Enterprise	Rainfed	1	21 animal	Assessment of conprite and Mineral Mixture for increasing milk production on dairy cow				
Kharif 2017	Low production due to use of local variety	Assessment	HOS	Onion	Rainfed	1	07	Assessment of onion variety (Bhima Super).				
Kharif 2017	Low yield due to off type flower	Assessment	HOS	Marigold	Rainfed	1	07	Assessment of Marigold variety hybrid				
Kharif 2017	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				

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
								security for farm families.				
Kharif 2017	Malnutrition among pre school children due to low nutrient diet.	Assessment	Nutritional Security	Enterprise	Rainfed	1	07	Assessment of nutrient efficient diet in pre school children				
Kharif 2017	Loy yield of rice due to low yielding varieties, low moisture content in soil and imbalance use of fertilizers	Assessment	INM	Paddy	Rainfed	1	07	Rice cultivation with crop residue and RDF				
Kharif 2017	Low yield due to imbalance use of fertilizer and not use of OM	Assessment	INM	Maize	Rainfed	1	07	Maize cultivation with organic manure				
Rabi 2017- 18	Low yield of wheat due to use of local variety Lok-1	Assessment	CRP	Wheat	Irrigated	1	07	Assessment of wheat variety DBW - 110				
Rabi 2017- 18	Low yield due to use of old variety pusa bold	Assessment	CRP	Gram	Irrigated	1	07	Assessment of gram variety NRC DR - 2				
Rabi 2017- 18	Low yield due to use of local variety	Assessment	HOS	Methi	Irrigated	1	07	Assessment of Methi (RMT – 305)				
Rabi 2017-	Low yield due to use of local	Assessment	HOS	Onion	Irrigated	1	07	Assessment of onion				

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
18	variety							variety NHRDF Red - 3				
Rabi 2017- 18	Low income of farm women due to high mortality of vegetable seedling	Assessment	Nursery Management	-	-	1	07	Assessment of improved nursery management for income generation of farm women.				
Rabi 2017- 18	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				
Rabi 2017- 18	Low yield due to following wrong pattern of intercropping and imbalance use fertilizer not use of OM	Assessment	INM	Potato and Onion	Irrigated	1	07	STV based nutrient management and inter cropping				
Rabi 2017- 18	Low yield due to imbalance use of fertilizer and not use of mulching	Assessment	INM	Garlic	Irrigated	1	07	Nutrient management in garlic with mulching				

2.1a Recommendations of OFTs

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 2016-17)

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 2017-18

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 2017	HYV (RVS 2001-4)+ RDF + seed treatment + culture + Need base pesticide	5.0	RVS 2001-4									10
CRP	Maize	Kharif 2017	HYV (DKC – 9133) + RDF + seed treatment + culture + Need base pesticide	5.0	DKC - 9133									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	
LPM	Enterprise	Rabi 2017	Naval treatment, Feeding colustrum, De-worming, Vitamin & mineral supplement, Antibiotics / Coccidiostat, Timely Vaccination, Hygiene & Cleanness.	30 kidsa	-									10
HOS	Chilli	Kharif 2017	1.Amidacloprid 17.5 SL 2. Acitameprid 20% SP@ 125 g/ha	5.0										10
HOS	Oniom	Kharif 2017	Oxyfluorfen 250 gm a.i./ha for control of weeds in onion	5.0										10
WOE	Enterprise	Kharif 2017	Balance Feed + Mineral Mixture + Vaccination + De-worming	-	Goatry									10
Nutritional Security	Mini Kit	Kharif 2017	Nutritional Garden	1.0										10
INM	Soybean	Kharif 2017	RDF - NPKS (20:60:20:20) + WDG Sulphur @ 20 kg/ha	5.0										10
INM	Marigold	Kharif 2017	RDF (60:75:50) + 25 tonne FYM	5.0										10
CRP	Wheat	Rabi 2017-18	HYV (MP – 3288) + RDF + seed treatment + culture + Need base pesticide	5.0	MP – 3288									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	
CRP	Gram	Rabi 2017-18	HYV (RSG – 945)+ RDF + seed treatment + culture + Need base pesticide	5.0	RSG - 945									10
HOS	Ajawain	Rabi 2017-18	Varietal replacement	5.0	A.A. – 2									10
HOM	Nigella	Rabi 2017-18	Varietal replacement	5.0	A.N. - 1									10
Nutritional Security	Wheat	Rabi 2017-18	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
Nutritional Security	Mini Kit	Rabi 2017-18	Nutritional Garden	1.0										10
INM	Garlic	Rabi 2017-18	60:60:30:20 (NPKS) + 2.5 t/ha vermin compost	5.0										10
INM	Mustard	Rabi 2017-18	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 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

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

Cate- gory	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	CP	Seed processing & storage	1	03	25								
FW	ONC	CP	Seed Production technology in soybean	1	02	20								
FW	ONC	CP	Importance of seed treatment in kharif crops	1	03	20								
FW	ONC	CP	Recommended varieties production technology of rabi crops	1	02	20								
FW	ONC	LPM	All the year round green fodder production and conservation	1	02	25								
FW	ONC	LPM	Low cost balance feed ration preparation from local available agricultural bio products and residues.	1	03	20								
FW	ONC	LPM	Azola culture production and feeding in live stocks for increasing production	1	04	20								
FW	ONC	LPM	Precautions during pre- parturition, parturition, post partition and calf management in dairy animals.	1	03	20								
FW	ONC	SFM	Different composting methods for proper	1	03	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			utilization of cowdung, urine and straw waste.											
FW	ONC	HOF	Planning, layout and management for new establishing and old established orchard.	1	03	21								
FW	ONC	HOV	Healthy nursery raising through raised bed method by solarization of solaneous crops. Eg. Tomato, Brinjal, Chilli etc.	1	03	20								
FW	ONC	HOV	improve production technology of vegetable crops. Eg. Tomato, Okra & Vegetable Pea.	1	03	19								
FW	ONC	OTH	Pre & Post Harvest Management of Garlic and Onion	1	02	22								
FW	ONC	CBD	Role of ATMA and dissemination of the technology	1	03	20								
FW	ONC	IFS	Integrated Farming System and its importance in sustainable agriculture development	1	03	20								
FW	ONC	OTH	Experience and salient achievement of NICRA Project and its importance in climate change	1	03	20								
FW	ONC	CBD	Central sponsored schemes like PMFBY, PMSY, PM Soil health card yojna in	1	03	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			sustainable agriculture development											
FW	ONC	WOE	Food preservation & value addition of fruits	1	03	17								
FW	ONC	WOE	Importance of fruit and vegetables in daily diet	1	03	20								
FW	ONC	WOE	Importance and preparation of vermi compost for farm women.	1	03	17								
FW	ONC	WOE	Preparation of different value added product of aonla	1	03	15								
FW	ONC	SFM	Crop residue management for improving soil health	1	3	20								
FW	ONC	SFM	Role of secondary and micronutrient plant nutrients	1	3	20								
FW	ONC	SFM	Green-Brown manure and Soil health	1	3	20								
FW	ONC	SFM	INM in Soybean	1	3	20								
FW	ONC	SFM	INM in Garlic .	1	3	20								
FW	ONC	SFM	Zinc management in Plants	1	3	20								
FW	OFC	SFM	Organic farming	1	02	30								
FW	OFC	AEG	Ridge & Furrow Technique in kharif crops	1	03	25								
FW	OFC	CP	Weed management in kharif crops	1	02	25								
FW	OFC	CP	Mustard Production Technology	1	02	25								
FW	OFC	CP	Seed Production technology in wheat	1	03	25								
FW	OFC	CP	Seed production technique in berseem	1	02	20								
FW	OFC	LPM	Goatry farming for economical and nutritional	1	03	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			security in rural areas											
FW	OFC	LPM	Significance of proper and timely vaccination, deworming and first aid treatment of diseases / disorder in farm animals	1	03	20								
FW	OFC	LPM	Role of A.I. in breed improvement and heat detection in cross bed animals	1	03	20								
FW	OFC	LPM	All the year round green fodder production	1	03	20								
FW	OFC	HOV	Advance production technology of summer vegetables crops-eg. Bottle Gourd, Bitter Gourd, Sponge Gourd, Ridge Gourd, Musk melon, Water melon	1	02	23								
FW	OFC	HOV	Scientific Production Technology of Chilli and Kharif & Rabi Onion.	1	02	22								
FW	OFC	HOM	Scientific production technology of Rabi Medicinal Crop viz. Kalaungi, Chandrasur, Ajwain & Sauf.	1	02	22								
FW	OFC	HOS	Scientific production technology of Rabi Spices Crops viz. Garlic & Methi.	1	02	23								
FW	OFC	CBD	Farm records keeping and its importance for estimating cost of cultivation	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	CBD	Different technological intervention and its importance for doubling income of the farmers	1	02	20								
FW	OFC	CBD	Role of ICT tools in Agriculture development	1	02	20								
FW	OFC	SFM	Organic farming its role in sustainable agriculture	1	02	20								
FW	OFC	CP	Importance and methods of seed treatment in kharif crops	1	02	16								
FW	OFC	WOE	Layout planning for establishment of Nutritional Garden	1	02	15								
FW	OFC	WOE	Minimization of nutrient losses in food processing	1	02	18								
FW	OFC	WOE	Importance of soybean and its nutritional factors and health benefits	1	02	15								
FW	OFC	LPM	Clean milking	1	02	16								
FW	OFC	WOE	Personal hygin and health for farm women	1	02	17								
FW	OFC	OTH	Low cost technologies for minimizing storage losses	1	02	18								
FW	OFC	SFM	Soil and water sampling and importance of soil testing	1	2	20								
FW	OFC	SFM	Importance of sulphur and zinc as liquid fertilizer in agriculture	1	2	20								
FW	OFC	SFM	Importance of bio-fertilizer	1	2	20								
FW	OFC	SFM	Micronutrient deficiency symptoms and measures to overcome it	1	2	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	SFM	Fertilizer and irrigation management in Rabi crops	1	2	20								
FW	OFC	SFM	Fertigation for increasing fertilizer use efficiency	1	2	20								
RY	ONC	RY	Income generation by seed production	1	05	15								
RY	ONC	RY	Goat rearing and backyard poultry farming for income generation	1	07	15								
RY	ONC	RY	Vegetative propagation of Horticulture crops	1	05	10								
RY	ONC	RY	Fruit preservation and value addition of different fruits	1	04	15								
RY	ONC	RY	Preparation of Vermi-compost and vermiwash for income generation	1	05	15								
IS	ONC	IS	Recommended Variety , Production technology of rabi crops	1	03	25								
IS	ONC	IS	Preparation o UMMB for feeding during summer season when green is not available to sustain milk production.	1	02	20								
IS	ONC	IS	Scientific production technology of Onion & Garlic	1	02	16								
IS	ONC	IS	Role of ICT mediated agricultural extension in sustainable agriculture and nutritional security.	1	03	15								
IS	ONC	IS	Importance of fruits and vegetable in daily diet.	1	03	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IS	ONC	IS	Role of Major, Secondary and Micro nutrients its application for Malwa region and their sources.	1	2	18								

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				

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)	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			
Field Day	10										
Kisan Mela	01										
Kisan Ghosthi	08										
Exhibition	01										
Film Show	20										
Method Demonstrations	-										
Farmers Seminar	01										
Workshop	01										
Group meetings	04										
Lectures delivered as resource persons	80										
Newspaper coverage	24										
Radio talks	12										
TV talks	20										
Popular Articles	12										
Extension Literature	25										
Farm Advisory Services	-										
Scientific visit to farmers field	60										
Farmers Visit to KVK	850										
Diagnostic Visits	55										
Exposure Visits	01										
Ex-trainees Sammelan	04										
Soil Health Camp	04										

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			
Animal Health Camp	04										
Agri Mobile Clinic	-										
Soil Test Campaigns	10										
Farm Science Club conveners meet	-										
Self Help Group conveners meetings	02										
Special Day celebration (i) World Environment Day (ii) ICAR Foundation Day (iii) World Food Day (iv) Farmers Day (v) International Women's Day (vi) World Soil Health Day	06										

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	15	SD	30000	
Cereals	Wheat	HI - 8713	SD	15	SD	30000	
Pulses	Urd	PU – 31	SD	07	SD	35000	
Pulses	Gram	JAKI – 9218	SD	30	SD	150000	
Oilseed	Mustard	NRC DR – 2	SD	12	SD	48000	
Oilseed	Soybean	JS - 9305	SD	70	SD	280000	

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 (Provided to no. of farmer)
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Spice	Onion	15 June 2017	-	0.45	AFLR, Bhima Super, Bhima Subhra	Seedling	2000	500	1000	05
Vegetable	Tomato	15 June 2017	-	0.40	Hybrid	Seedling	4000	1000	2000	120
Spice	Chilli	15 June 2017	-	0.20	Hybrid	Seedling	2000	500	1000	40
Fruit	Mango grafted	18 July 2017	-	1.25	Langda, Dussheri Amrapali, Kesar	PM	500	10000	30000	50
Fruit	Orange	15 July 2017	-	0.5	Nagpur Mandrine	PM	200	4000	8000	50
Fruit	MANGO Desi	20 July 2017	-	7.5	Desi	Sapling	3000	30000	60000	150
Fruit	Lemon	10 May 2017	-	3.75	Kagzi lemon	Sapling	1500	7500	15000	300
Fruit	Guava	18 June 2015	-	1.25	Allhabadi Safeda	Sapling	500	3750	7500	60
Fruit	karonda	10 August 2017	-	1.5	Desi	Sapling	750	3750	7500	200
Fruit	Jackfruit	18 July 2017	-	1.75	Desi	Sapling	650	4875	9750	60
Forestry	Ashok	25 July 2017	-	1.5	Desi	Sapling	750	5625	11250	65
Forestry	Tikoma	20 March 2017	-	1.25	Desi	Sapling	500	1500	2500	50
Forestry	Sevan	30 April 2017	-	5.0	Desi	PM	500	2500	5000	50
Forestry	Kachnar	30 April 2017	-	2.0	Desi	Sapling	500	2500	5000	150
Forestry	Amaltas	30 April 2017	-	2.0	Desi	Sapling	500	2500	5000	50
Forestry	Cassia sama	15 April 2017	-	1.0	Desi	Sapling	500	2500	5000	150
Forestry	Sesum	15 April 2017	-	1.5	Desi	Sapling	750	1875	3750	100
Forestry	Neem	July 2017	-	1.0	Desi	Sapling	500	1250	2500	200
Forestry	Eucalyptus	1 January 2017	-	1.5	Desi	Sapling	1000	1000	2000	200
Ornamental	Duranta golden	10 February 2017	-	2.0	Desi	Sapling	4000	10000	20000	50
Ornamental	Duranta brown	10 February 2017	-	0.75	Desi	Sapling	1000	2500	5000	100
Ornamental	Rose cutting	20 July 2017	-	0.1	Desi	Sapling	250	1000	2500	25

Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks (Provided to no. of farmer)
					Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Ornamental	Rose root stock	18 July 2017	-	0.1	Desi	Sapling	250	1000	2500	25
Ornamental	Others - Meetha neem, Bouganvilia, Mogra, Paras peepple, Ornamental cutting	July 2017	-	0.5	Desi	Sapling	500	2500	5000	50

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Ratlam	BIO AGENTS	-	-	-	-

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	Cross-breed	Milk	03			
Buffalo						
Sheep and Goat	Barbari	Milk and Meat	10+2			
Poultry						
Fisheries		Carp hatchary				
Others (Specify) Azolla	Azola pinata	Feed Supplement	3.0 q			

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 :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Ratlam	Soil Sample	1200	900	55		
Ratlam	Water Sample	50	50	30		

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 2017		
Ratlam	October 2017		

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 2017	1000		
Ratlam	July – Sept. 2017	1000		
Ratlam	Oct. – Dec. 2017	1000		
Ratlam	Jan. – March 2018	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				
Technical reports	08				
Popular article	25				
News paper coverage	20				
Year Planner	01				
Others (pl. specify)					

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
Ratlam	ATMA					

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds) : 40

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

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 Medicinal and Spices crops	20 for Kharif, 40 for Rabi
3	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- 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
01	June 2017	20
01	October 2017	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 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

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Ratlam	Gosthies	2		
Ratlam	Lectures organized	4		
Ratlam	Exhibition	1		
Ratlam	Film show	4		
Ratlam	Fair	-		
Ratlam	Farm Visit	6		
Ratlam	Diagnostic Practical's	2		
Ratlam	Distribution of Literature (No.)	500		
Ratlam	Distribution of Seed (q)	-		
Ratlam	Distribution of Planting materials (No.)	100		
Ratlam	Bio Product distribution (Kg)	5 kg		
Ratlam	Bio Fertilizers (q)	-		
Ratlam	Distribution of fingerlings (No)	-		
Ratlam	Distribution of Livestock specimen (No.)	-		
Ratlam	Total number of farmers visited the technology week	300		

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
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	-	-	-	-

Verms Produced

Name of KVK	Verms 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 var. of Soybean due to late on set of monsoon	Soybean	2.40			
Short duration and YMV tolerant variety of Black Gram	Urd	2.40			
Short duration and Heat tolerant variety of Green Gram	Moong	0.80			
High Yielding variety of Maize	Maize	1.60			
Drought resistant variety of Lentil	Lentil	2.0			
Varital Gram	Gram	3.20			
Drought resistant variety of Mustard	Mustard	4.0			
Intercropping	Soybean+Maize	1.60			
Varietal of Methi	Methi	0.40			
High yielding variety of Ajwain (Kharif)	Ajwain	1.20			
High yielding variety of Ajwain (Rabi)	Ajwain	0.80			
Varietal of Onion	Onion	2.0			
IPMTechnology	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			

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
Awareness 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

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Trainings				
Importance of summer deep ploughing in crop management				
Importance and method of rain water harvesting technique				
In-situ moisture conservation method through B.B.F., Ridge and Furrow, Raise bed techniques in crop production.				
Climate resilient interventions for enhancing kharif field crop production.				
Integrated Nutriment Management in kharif crops				
Crop diversification in cropping system to overcome drought effect				
Climate resilient interventions for enhancing horticultural crop production.				
Climate resilient interventions in animal husbandry to reduce the adverse effect on animal production.				
All the year round green fodder production its conservation				
Importance and role of micro irrigation system in climate resilience.				
Healthy nursery raising through Raise bed system by solarization				
Importance of Vaccination and de-worming				
Importance of macro and micro nutrient & its application of major crops				
Importance of inter cropping for minimize risk in production				
Green Mannering & bio pesticide preparation technique				
Ajola production and feeding management				
Climate resilient interventions for enhancing rabi field crop production.				
Care and management in goatry rearing				

Name of Activity	Number of Participants/Beneficiaries to be Covered				
	Trainings	Farmers	Farm Women	Official	Total
Integrated Nutriment Management in rabi crops					
Importance of seed and fodder bank in climate resilient situation.					
Preparation and use of Urea Molasses Mineral Block (UMMB) in lean period when green is not available.					

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

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	1365442		

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 –

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

KVK, Satna

PERIOD – April 2017 to March, 2018

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	470			
FLDs – Oilseeds (activity in ha)	15	39			
FLDs – Pulses (activity in ha)	15	39			
FLDs – Cotton (activity in ha)	-	-			
FLDs – Other than Oilseed and pulse crops(activity in ha)	34	162			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	7	175			
Training-Farmers and farm women	107	2302			
Training-Rural youths	12	250			
Training- Extension functionaries	13	285			
Extension Activities	567	25000			
Seed Production (Number of activity as seeds in quintal)	178.48	4300			
Planting material ((Number of activity as quantity of planting material in quintal)	20	70			
Seedling Production (Number of activity as number of seedlings in numbers)	210000	6500			
Sapling Production (Number of activity as number of sapling in numbers)	40650	1500			
Other Bio- products (No. of quantity)					
Live stock products(kids)					
Activities of Soil and Water Testing Laboratory	2000	1000			
Rainwater Harvesting System					
Kisan Mobile Advisory (KVK-KMA)	48	35000			
SAC Meeting (Date & no. of core/ official members)	02.06.17	22			
Literature to be Developed/Published	76	35000			
Convergence programmes / Sponsored programmes	08	600			
Utilization of Farmers Hostel	75	1615			
Utilization of Staff Quarters	12	12			
Details of KVK Agro-technological Park	07	8000			

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	
Crop Cafeteria-	04	8000			
Farm Innovators- list of 10 farm innovators from the District	01	10			
Status of Revolving Funds	70 lakhs				
Awards and Recognitions	01				
Case study / Success Story to be developed	02				
KVK Progressive Farmers interaction	01				
Outreach of KVK in the District (No. of blocks, no. of villages)	08(45)				
Technology Demonstration under Tribal Sub Plan	-	-			
KVK Ring	2				
Important visitors to KVK	10				
Status of KVK Website	Under process				
Status of RTI					
E-connectivity	Not working				
Details of Technology Week Celebrations	15	500			
Interventions on Drought Mitigation	09	3000			
Proposal of NAIP	-	-			
Proposal of NICRA					
Well labeled photographs	-	-			
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)
Programme Coordinator	Dr. R.S.Negi	Horticulture	Ph.D	Fruit Culture and Orchard Management	37000-67000+GP 9000	49240	01.10.2011	Permanent	General
Subject Matter	Dr. V. P. Singh	Extension	Ph.D	Watershed	15600-39100+GP	35210	01.03.1993	Permanent	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)
Specialist1				Management	5400				
Subject Matter Specialist2	Dr. R.P.Sharma	Animal Science	Ph.D	Animal Science	15600-39100+GP 5400	29540	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	Permanent	General
Subject Matter Specialist3	Sh. Ramesh Amule	Plant Protection	M.Sc.	Plant Pathology	15600-39100+GP 5400	21000		Permanent	General
Subject Matter Specialist5	Sh. V.K.Tiwari	Agronomy	M.Sc	Agronomy	15600-39100+GP 5400	21000	14.11.2016	Permanent	General
Subject Matter Specialist6	-	-							
Programme Assistant/Lab technician	Sh. Ashok Sharma	Soil Science	M.Sc	Soil Science		13500	08.10.2016	Permanent	General
Farm Manager	-	-							
Computer Programmer	-	-	-	-	-		-	-	-
Accountant / superintendent	Sh.R.P. Pandey		M.COM		9300- 39100+ GP 4200	14330	01.06.2014	Permanent	General
Stenographer	Sh.A.K.Singh		MA (Geography & Economics) PGDCA		5200-20200+GP 2400	16000	01.12.1993	Permanent	OBC
Driver	Sh.C.L.Soni		12 th		5200-20200 +GP 2000	12270	01.03.1996	Permanent	OBC
Driver	-	-	-	-	-	-	-	-	-
Supporting staff	Sh.V.Singh		B.A		4440-7440+GP 1300	10850	01.05.1994	Permanent	General
Supporting staff	Sh.K.Pathak	Animal Science	B.A		4440-7440+GP 1300	10530	01.04.1995	Permanent	General
Supporting staff	Sh. R. L.	Cook	5 th		4440-7440+GP	10530	01.04.1996	Permanent	ST

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)
	Baheliya				1300				
Supporting staff	Sh.B.G.Joshi	Horticulture	B.A		4440-7440+GP 1300	10690	25.08.1996	Permanent	General
Supporting staff	Sh.Bansh Gopal	Watchman	Literate		4440-7440+GP 1300	10230	01.12.1993	Permanent	OBC
Supporting staff	Smt. Rita Singh	Jr. Clerk	MA (Sociology) B.Ed		5200-20200 +GP 2000	12270	07.09.1996	Permanent	General

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

Basic Information of Krishi Vigyan Kendra

Name and Address of the KVK	Krishi Vigyan Kendra, Post Office-Majhgawan, Distt.-Satna(MP)485331
Name of the KVK and District	Krishi Vigyan Kendra, Satna
Name of the Host Organization	Deendayal Research Institute, 7-E Swami Ramtirth Nagar, Rani Jhansi Marg, New Delhi – 110055, e-mail-dridelhi@chitrakoot.org
Telephone No.	07670 265353, 265623
Fax No.	07670 265510
Email	info@chitrakoot.org
Website	www.chitrakoot.org
Name of the Head of the Organization with designation	Sh. Abhay Mahajan, Organizing Secretary Deendayal Research Institute-Chitrakoot, Satna (M.P.) – 485331, Ph. 07670 265353, 265623 Fax. 07670 265510 e-mail-drichitrakoot@chitrakoot.org
Name of In charge of the KVK with designation	Dr.R.S.Negi, Programme Coordinator Krishi Vigyan Kendra, Deendayal Research Institute, Majhgawan, Satna (MP) 485331. Tel No. 07670-263297, Fax 07670-263440 e-mail: kvksatna@rediffmail.com
Letter No. and date by which KVK was sanctioned by ICAR	No.15(22)/92-Agril.Extn.I dated January,1993
Month and year of inception of KVK	March,1993
Geographical Location of KVK	23 ^o 58' to 25 ^o 12' N Latitude & 80 ^o 20' to 81 ^o 23' E Longitude

DISTRICT PROFILE

1.	Name of the District	Satna
	Agro ecological Sub Region (ICAR)	Zone VII, Semi arid Lava Plateau and Central Highlands
	Agro-climatic zone(Planning)	Central Plateau and Hill region
	Agro-climatic zone(Planning M.P.)	Kaymore Plateau and Satpura Hills
2.	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
	Geographical Boundry	
	North	Banda & Chitrakoot District
	South	Katni
	East	Rewa District of MP
	West	Panna
	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)
	Important Rivers	Mandakini, Tamas, Satna,
	Administrative	
	No. of Tehsil	09
	No. of Blocks	08
	No. of Panchayats	703
	No. of Villages	1816
	Average Literacy Percentage	72.26
	Male Literacy	81.37
	Female Literacy	62.45
	GDP of Satna District	4253 Crores
	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

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2017 to 31.3.2018 (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)
Pagarkhurd	2016	Majhgawan	32	1132	199
Nakti	2017	Sohawal	45	1678	265

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

KVK Name	THRUST AREA (General)
Satna	Water Conservation and Management

KVK Name	THRUST AREA (General)
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
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

KVK Name	THRUST AREA (General)
Satna	Disease and insect pest management in onion
Satna	Disease and insect pest management in cucurbits
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 and blast - moisture stress during crop growth period 	PRA technique, Rapid Rural Appraisal (RRA) technique, Personal contact, conducted meeting of the villagers, 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	Pagar khurd (Majhgawan)
Soybean	<ul style="list-style-type: none"> - unawareness about the new HYV's - unavailability and non use of culture, - Improper sowing method and sowing time. - occurrence of moisture stress during critical growth stage - high incidence of mosaic disease - little or imbalance use of fertilizers 		

Problem identified		Methods of problem identification	Location Name of Village & Block
Sesame	<ul style="list-style-type: none"> - 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 	(FSBE) tools	
Red gram	<ul style="list-style-type: none"> - unawareness about the short duration HYV's - use of long duration varieties susceptible to frost - unavailability and non use culture - improper sowing time - little or imbalance use of fertilizers - occurrence of moisture stress during critical growth stage - high incidence of wilt disease and pod borer - heavy infestation of weeds 		
Blackgram	<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 - heavy infestation of weeds 		
Wheat	<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 - termite problem in light soils - moisture stress during crop growth period 		
Gram	<ul style="list-style-type: none"> - Low yield and income - unawareness about the wilt tolerant varieties - Delayed sowing 		

Problem identified		Methods of problem identification	Location Name of Village & Block
Lentil	<ul style="list-style-type: none"> - 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 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 		
Mustard	<ul style="list-style-type: none"> - Unavailability of quality seed - imbalance use of fertilizers - high incidence of aphid 		
Onion	<ul style="list-style-type: none"> - Unavailability of quality seed - imbalance use of fertilizers - Incidence of Stemphylium blight, purple blotch and thrips 		
Tomato	<ul style="list-style-type: none"> - Unavailability of quality seed - TLCV disease - Early blight and fruit borer 		
Chillies	<ul style="list-style-type: none"> - Unavailability of quality seed - Leaf curl and leaf spot disease 		
Poor Horticultural Development – lack of commercial fruit orchard			
	<ul style="list-style-type: none"> - Lack of quality planting material 		
Live Stock			
Cow	- Low fat and low milk yield, frequent outbreak of diseases, ecto and endo parasites, non-availability of green fodder in rain fed area.		
Goat/sheep	Worm infestation, frequent outbreak of diseases, less twinning and weight gain		
Poultry	Low weight gain, less egg production, disease outbreaks in backyard poultry, high FCR and mortality		

Problem identified	Methods of problem identification	Location Name of Village & Block
General Problems <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 		

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 2017- 18	Poor fruit set, yield and quality of fruits in bitter gourd due to boron deficiency	Assessment	Nutrient Management	Bitter gourd	Irrigated Upland	10		Assessment of boron application on fruit set, yield and quality attributes of bitter gourd in boron deficit soils.				
Kharif 2017- 18	Poor yield stability and low returns from pigeon pea due to adverse climatic conditions	Assessment	Crop Diversification	Pigeon pea	Semi- irrigated condition	10		Assessment of vegetable intercropping in transplanted pigeon pea for ensuring higher returns and minimizing risk due to adverse climate.				

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 2017- 18	Yield loss due to mid and terminal season drought particularly at flowering and pod filling stage .hence crop suffers a lot. Affected area in the district is 46000ha	Assessment	Varietal Substitution	Soybean	Rain fed	10		Assessment of improved variety of soybean JS-20-29/JS-20-34 for rain fed condition.				
Kharif 2017	Yield loss due to mid and terminal season drought particularly at flowering or pod filling stage. Affected area in the district is 46000ha	Assessment	RCT	Soybean	Rainfed	10		Assessment of Pusa Hydrogel – Super absorbent polymer for moisture conservation in soybean.				
Kharif 2017	Severe Disease infestation causing low	Assessment	Crop Protection	Paddy	Irrigated	10		Assessment of appropriate fungicides for the effective control				

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
	yield also seed/Grain quality Deteriorate							of False Smut in Paddy.				
Kharif 2017	High yielding varieties & scented varieties are susceptible Bacterial Blight causing yield loss	Assessment	Crop Protection	Paddy	Irrigated	10		Assessment of Plant extract & chemicals against Bacterial leaf blight (BLB) of paddy				
Kharif, 2017	Crop loss upto 40-50 % due to pod borer and fruit fly insect	Assessment	Integrated Pest management	Pigeon pea	Rain fed			Assessment of Integrated insect pest management module in Pigeonpea				
Rabi 2017-18	Low yield of Gram due to incidence of wilt disease and pod borer.	Assessment	Integrated Pest management	Chickpea	Irrigated	05		Assessment of IPM module especially eco- friendly against Helicoverpa and wilt/collar rot destructive pest of gram				

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
Rabi 2017-18	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				
Rabi 2017-18	Wheat sowing is delayed due to time taken in preparation of land for wheat sowing	Assessment	Resource Conservation	Wheat	Irrigated	10		Assessment of pre sown irrigation (palewa) on germination, establishment, growth and yield of wheat in rice- wheat cropping system .				
Rabi 2017-18	Low yield of existing variety –GW - 322 (32.60 q/ha) Affected area in the district is 26600ha	Assessment	Resource Conservation	Wheat	Irrigated	10		Assessment of timely sown variety-HW-1105 of wheat under Zero tillage				
Summer,2017	Anemia in Rural woman	Assessment	Nutritional Security	-	-	15		Assessment of Flores syrup and Triphala churna to combat nutritional deficiency 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
								Anemic women.				
Rabi,2017-18	Heavy drudgery in cleaning and grading	Assessment	Drudgery reduction	Chickpea		10		Assessment of Spiral Seed grader for drudgery reduction in seed cleaning and grading				
Kharif,2017	High drudgery and low efficiency during potato chips making	Assessment	Drudgery reduction	Potato		10		Assessment of Potato Peeler and Potato Slicer for drudgery reduction and efficiently enhancement of farm women during potato chips making.				
Kharif 2017-18	Poor health and Poor productivity due to ticks, mites, lice and flies	Assessment	LPM	Cow	Open grazing in this period	25		Assessment the impact of anthelmintic drug (Santaworm-Closantel), on milk Productivity of lactating Cow.				
Kharif 2017-18	No green fodder feeding	Assessment	Animal Nutrition	Cow	Grazing System	6		Assessment of hydroponic feed on milk				

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
	during summer season.							productivity in lactating cows.				
Kharif 2017- 18	No green fodder feeding during summer season.	Assessment	Animal nutrition	Goat	Grazing System	26		Assessment of hydroponic feed on body weight in goat.				
Kharif 2017- 18	Poor body weight gain and high mortality due to heat stroke.	Assessment	LPM	Poultry	Scavenging	120		Assessment the impact of Electrolytes in backyard poultry				
Kharif 2017- 18	Seed Producing Company	Assessment	ICM	Wheat	Irrigated	10		Study of performance of Seed Producing Company/Farmer Producer Organization in Satna District				
Kharif 2017- 18	To share agricultural techniques through message, audio, video, photo etc. with farmers	Assessment	ICT	Mobile app		100		Study on ICT tools– Mobile messaging, social media (Whatsapp) in dissemination of agricultural technological messages				

2.Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of boron application on fruit set, yield and quality attributes of bitter gourd in boron deficit soils.		
Assessment of vegetable intercropping in transplanted pigeon pea for ensuring higher returns and minimizing risk due to adverse climate.		
Assessment of improved variety of soybean JS-20-29/JS-20-34 for rain fed condition.		
Assessment of Pusa Hydrogel –Super absorbent polymer for moisture conservation in soybean.		
Assessment of appropriate fungicides for the effective control of False Smut in Paddy.		
Assessment of Plant extract & chemicals against Bacterial leaf blight (BLB) of paddy		
Assessment of Integrated insect pest management module in Pigeonpea		
Assessment of IPM module especially eco- friendly against Helicoverpa and wilt/collar rot destructive pest of gram		
Assessment of soil test based application of sulphur on yield and quality of Onion		
Assessment of pre sown irrigation (palewa) on germination, establishment, growth and yield of wheat in rice-wheat cropping system .		
Assessment of timely sown variety-HW-1105 of wheat under Zero tillage		
Assessment of Florex syrup and Triphala churna to combat nutritional deficiency in Anemic women.		
Assessment of Spiral Seed grader for drudgery reduction in seed cleaning and grading		
Assessment of Potato Peeler and Potato Slicer for drudgery reduction and efficiently enhancement of farm women during potato chips making.		
Assessment the impact of anthelmintic drug (Santaworm-Closantel), on milk Productivity of lactating Cow.		
Assessment of hydroponic feed on milk productivity in lactating cows.		
Assessment of hydroponic feed on body weight in goat.		
Assessment the impact of Electrolytes in backyard poultry		
Study of performance of Seed Producing Company/Farmer Producer Organization in Satna District		
Study on ICT tools– Mobile messaging, social media (Whatsapp) in dissemination of agricultural technological messages		

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)	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 boron application on fruit set, yield and quality attributes of bitter gourd in boron deficit soils.												
Assessment of vegetable intercropping in transplanted pigeon pea for ensuring higher returns and minimizing risk due to adverse climate.												
Assessment of improved variety of soybean JS-20-29/JS-20-34 for rain fed condition.												
Assessment of Pusa Hydrogel –Super absorbent polymer for moisture conservation in soybean.												
Assessment of appropriate fungicides for the effective control of False Smut in Paddy.												
Assessment of Plant extract & chemicals against Bacterial leaf blight (BLB) of paddy												
Assessment of Integrated insect pest management module in Pigeonpea												
Assessment of IPM module especially eco- friendly against Helicoverpa and wilt/collar rot destructive pest of gram												
Assessment of soil test based application of sulphur on yield and quality of Onion												
Assessment of pre sown irrigation (palewa) on germination, establishment, growth and yield of												

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)	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
wheat in rice- wheat cropping system .												
Assessment of timely sown variety- HW-1105 of wheat under Zero tillage												
Assessment of Florex syrup and Triphala churna to combat nutritional deficiency in Anemic women.												
Assessment of Spiral Seed grader for drudgery reduction in seed cleaning and grading												
Assessment of Potato Peeler and Potato Slicer for drudgery reduction and efficiently enhancement of farm women during potato chips making.												
Assessment the impact of anthelmintic drug (Santaworm-Closantel), on milk Productivity of lactating Cow.												
Assessment of hydroponic feed on milk productivity in lactating cows.												
Assessment of hydroponic feed on body weight in goat.												
Assessment the impact of Electrolytes in backyard poultry												
Study of performance of Seed Producing Company/Farmer Producer Organization in Satna District												
Study on ICT tools– Mobile messaging, social media (Whatsapp) in dissemination of agricultural												

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)	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
technological messages												

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (up to 2016-17)

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 goshies, training, Krishak sammelan	70	306	176.5
Cow pea	Improved variety	High yielding variety suitable for green pod and pulse, Seed treatment, Sowing technique, weed management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	16	78	25.6
Paddy	Varietal Substitution	Short duration variety, nutrient management, weed management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	613	2780	1125
Red Gram	Integrated crop management	Short duration variety , nutrient management, pest management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	246	1987	1460
Green gram	Integrated crop manageemt	Improved variety, nutrient management, MYMV disease management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	135	1078	709
Soybean	Integrated Crop management	Short duration variety, Seed treatment, Weed control, Nutrient Management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	215	2456	987

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
Sesame	Integrated crop management	Improved variety, integrated nutrient management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	154	225	348
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	468	1987	185
Mustard	Integrated crop management	Improved variety, integrated nutrient management	Creating awareness about the performance of variety through organizing farmers goshies, training, Krishak sammelan	258	3015	6054
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	457	1045	987

Details of FLDs to be implemented during 2017-18

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	
LPM	Buffalo	Kharif 2017	Demonstration on the impact of anthelmintic drug Oxylozanide & Levamisole 2 gm (Flukarid-DS Bolus), on milk Productivity of lactating Buffalo.	25	Buffalo									

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	
LPM	Sheep	Kharif 2017	Demonstration on the impact of oral Calcium with Vitamins on body weight gains in Sheep.	30	Sheep									
LPM	Cow	Kharif 2017	Demonstration the impact of pigeon's litter in heat occurrence in Cow.	20	Cow									
LPM	Poultry	Rabi 2017	Demonstration the impact of low cost – ventilated housing in backyard poultry.	60	Poultry									
Integrated Crop Management	Rice	Kharif (2017)	Demonstration of dry seeding technology in Rice	05	MTU 10-10									
Resource conservation	Green gram	Kharif (2017)	Demonstration of improved production technology of Green gram	05	IPM 02-14									
Crop diversification	Coriander	Kharif 2017	Demonstration of improved production technology of leafy coriander during rainy season for ensuring higher income to marginal farmers	2 ha	Pant Haritima									

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	
Varietal Substitution	Bitter guard	Kharif 2017	Demonstration of production technology of bitter gourd during rainy season for ensuring higher income to small landholders farmers.	2 ha	Aman shree									
Crop Diversification	Kharif Chillies	Kharif 2017	Demonstration of production technology of green chillies during rainy season for ensuring higher income to small landholders farmers	2 ha	Kashi Anmol									
Integrated Crop Management	Pigeon pea	Kharif 2017	Demonstration of Transplanted technology of Pigeonpea (Dharwad).	05 ha	TJT-501									
Integrated Crop Management	Rice	Kharif 2017	Demonstration of Production technology of rice.	05 ha	Pusa - 1509									
Integrated Crop Management	Soyabean	Kharif 2017	Demonstration of integrated crop management module in soybean.	05 ha	JS-950/NRC-7									

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	
Insect pest control	Brinjal	Kharif 2017	Demonstration of chlorantraniliprole 18.5%SC for the control of Fruit borer in Brinjal	2 ha	Brinjal									
Disease Management	Rice	Kharif 2017	Demonstration of the efficacy of Tebuconazole for the control of stem rot, sheath rot and blast disease in Rice	5 ha	Rice									
IPM	Chilies	Kharif 2017	Demonstration of chemical control of leaf curl complex disease in chillies	2 ha	NA									
ICM	Wheat	Rabi 2017-18	High yielding variety suitable for irrigated condition, weed & nutrient management	05	WH-1105									
Climatic vulnerability and Disease management (Tolerant variety, soil & seed treatment)	Chickpea	Rabi (2017-18)	Wilt & heat tolerant high yielding variety, soil/seed treatment and nutrient management	05	JG-14									

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	
Chemical Weed Control	Onion	Kharif 2017	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	Oyster Mushroom	Rabi 2017-18	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers .	10	Mushroom									
Integrated Crop Management	Mustard	Rabi 2017	Demonstration of integrated crop management module in mustard.	10 ha	Pusa Mahak/Giriraj									
Nutritional Garden	Seasonal Crops	Kharif 2017	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement	20	-									
Safe storage of product	Mango	Rabi 2017	Minimization of pest infestation in stored dehydrated Mango Slices	-	-									

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
Buffalo	Demonstration on the impact of anthelmintic drug Oxytocanide & Levamisole 2 gm (Flukarid-DS Bolus), on milk Productivity of lactating Buffalo.	Total body weight gain (kg) study period (till 40 days of age), ► Income-expenditure during study(40 days)										
Sheep	Demonstration on the impact of oral Calcium with Vitamins on body weight gains in Sheep.	Body wt. (kids) at 180th days of age ► Mortality % till 180 days of age										
Cow	Demonstration the impact of pigeon's litter in heat occurrence in Cow.	Total body weight gain (kg) study period (► Age of heat occurrence (days)										

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
Poultry	Demonstration the impact of low cost – ventilated housing in backyard poultry.	Body Weight at 40 days of age. Mortality percent till 40 days of age										
Rice	Demonstration of dry seeding technology in Rice	Yield (q/ ha)										
Green gram	Demonstration of improved production technology of Green gram	Yield (q/ ha)										
Coriander	Demonstration of improved production technology of leafy coriander during rainy season for ensuring higher income to marginal farmers	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
Bitter guard	Demonstration of production technology of bitter gourd during rainy season for ensuring higher income to small landholders farmers.	Yield (q/ha)										
Kharif Chillies	Demonstration of production technology of green chillies during rainy season for ensuring higher income to small landholders farmers	Yield (q/ha)										
Pigeon pea	Demonstration of Transplanted technology of Pigeonpea (Dharwad).	Yield (q/ha)										
Rice	Demonstration of Production technology of rice.	Yield (q/ha)										
Soyabean	Demonstration of integrated crop management module in soybean.	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
Brinjal	Demonstration of chlorantraniliprole 18.5%SC for the control of Fruit borer in Brinjal	Yield (q/ha)										
Rice	Demonstration of the efficacy of Tebuconazole for the control of stem rot, sheeth rot and blast disease in Rice	Yield (q/ha)										
Chilies	Demonstration of chemical control of leaf curl complex disease in chillies	Yield (q/ha)										
Wheat	High yielding variety suitable for irrigated condition, weed & nutrient management	Yield (q/ha)										
Chickpea	Wilt & heat tolerant high yielding variety, soil/seed treatment and nutrient management	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
Onion	Demonstration of effective combination of herbicides for the control of narrow and broad leaf weeds in Rabi Onion.	Yield (q/ha)										
Oyster Mushroom	Demonstration of production technology of oyster mushroom for income generation in marginalized group of farmers .	Yield (kg/bag)										
Mustard	Demonstration of integrated crop management module in mustard.	Yeild(/q/ha)										
Seasonal Crops	Demonstration of nutritional Kitchen garden for year round production of vegetables to meet family requirement											
Mango	Minimization of pest infestation in stored dehydrated Mango Slices											

3.3 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	
Chickpea	Field days	01	50	
	Farmers Training	03	90	
	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	
Coriander	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Bitter Guard	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	Training for extension functionaries	01	40	
Chillies	Field days	01	50	
	Farmers Training	02	30	
	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	

Crop	Activity	No. of activities organized	Number of participants	Remarks
Mushroom	Field days	01	50	
	Farmers Training	03	90	
	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	
Soyabean	Field days	01	50	
	Farmers Training	03	90	
	Media coverage	01	Mass	
	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	
	Training for extension functionaries	01	Mass	
	Farmers Training	01	40	
	Media coverage	01	50	
	Training for extension functionaries	03	90	
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		
Rural Youth	Rural youth Sammelan		
Extension Functionaries	Workshop, Interaction		

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	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Horticulture															
FW	OFC	HOV	Foilar application of Nutrients in summer vegetables	01	01	20									
FW	OFC	HOV	Layout, planting technique and moisture conservation methods for planting fruit trees in and	01	02	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			around home sted											
FW	ONC	HOV	Improved production and management practices in Bitter gourd cultivation	01	02	25								
FW	ONC	HOV	Improved production and management practices in Kharif cultivation of Chillies, tomato and Brinjal.	01	02	20								
FW	OFC	HOV	Nursery raising techniques for Kharif season vegetables.	01	02	25								
FW	ONC	HOS	Improved production and management practices in Zinger and Turmeric.	01	02	30								
FW	ONC	HOV	Improved production technology for Leafy coriander	01	02	25								
FW	OFC	HOV	Improved production technology of cowpea and Okra in Kharif	01	02	25								
RY	ONC	RYH	Various propagation techniques involved in raising nursery of fruit plants	01	10	20								
IS	ONC	EXP	Organic Production technology of vegetable crops	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								
FW	OFC	HOS	Foliar application of nutrients in onion and garlic	01	02	30								
RY	ONC	HOV	Off season Cultivation of	01	05	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			vegetables											
Crop Production														
FW	OFC	RCT	Advantages of summer deep ploughing	01	02	30								
FW	ONC	ICM	Package and practices of Kharif crop	01	02	30								
RY	ONC	RCT	Community Nursery raising technique of Transplanted Pigeonpea	05	05	20								
FW	ONC	ICM	Seed production techniques of Urad and Moong	01	02	25								
IS	ONC	INM	Soil test based application of nutrients in Kharif Oilseed and Pulse Crops	01	02	30								
FW	OFC	RCT	Improved methods of sowing Kharif pulses and oilseed crops	01	02	25								
FW	ONC	IWM	Integrated weed management in Kharif Crops	01	02	25								
FW	OFC	INM	Appropriate use of balance fertilizer spray on standing crop	01	02	25								
FW	OFC	NRM	Drought mitigation measures for enhancing productivity of field crops	01	02	25								
FW	ONC	ICM	Seed production technique of Rabi pulse	01	02	25								
RY	ONC	ICM	Seed Production technique of Rabi Oilseeds	05	05	20								
IS	ONC	ICM	Integrated crop management techniques of rabi crops	01	02	30								
FW	ONC	Sowing Techniques	Dry sowing technology of wheat	01	02	25								
FW	ONC	RCT	Zero tillage sowing technique in Wheat	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC	IWM	Integrated weed management in wheat	01	02	25								
FW	OFC	ICM	Scheduling of irrigation and protection techniques from frost	01	02	25								
FW	OFC	NRM	Integrated terminal drought mitigating measure in rabi crops	01	02	25								
Agriculture Extension														
FW	ONC	NRM	Water management in Summer crops	01	02	20								
FW	OFC	NRM	Soil & Water Conservation practices for higher crop production under rain fed condition	01	02	25								
FW	OFC	CBD	Formation and management of Farmers Interest Group (FIGs)	01	02	25								
FW	ONC	CBD	Seed Production techniques of Pigeon pea through Farmers Interest Groups (FIG)	01	02	20								
FW	ONC	CBD	Improved seed production techniques of Rice through organized Farm Women	01	02	20								
FW	ONC	CBD	Sesame seed production through Farmers Interest Groups (FIGs)	01	02	20								
FW	ONC	CBD	Formation and management of Agriculture Extension Service Provider	01	02	25								
IS	OFC	EXP	Transfer of technology, extension and people's participation	01	02	20								
FW	ONC	CBD	Transfer of Innovative technologies at Farmers field	01	02	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			through Farmers friends											
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	25								
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	25								
PRI	ONC	CBD	Agricultural Technology application through Panchayat Raj Institutions (PRI)	01	02	25								
RY	ONC	SFM	Preparation and use of organic inputs	01	02	25								
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	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			disease in Rice crop											
FW	OFC	PLP	Method of seed treatment in crop disease management	01	02	25								
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		Feed and mineral mixture management for improving milk production in buffaloes.	01		20								
FW	ONC		Preparation of balance feed through locally available ingredients for heifers.	01		25								
FW	OFC		Importance of deworming and vaccination .	01		20								
FW	OFC		Feeding management of newly borne (up to first three months of age)calves	01		20								
FW	OFC		Balance feeding in lactating dairy animals.	01		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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC		Care and feeding of upgraded progeny of Goat.	01		20								
FW	ONC		Production techniques of Azolla as a green fodder for lactating animals.	01		20								
FW	OFC		Vermi composting	01		22								
IS	ONC		Integrated management of infectious diseases in dairy animals	01		20								
FW	OFC		Integrated management of infectious diseases in small animals	01		20								
FW	OFC		Anthelmintic drug management in controlling fascioliasis in goat	01		20								
FW	OFC		Importance of de worming and vaccination in sheep	01		25								
FW	OFC		Forage management in lean period	01		20								
RY	ONC		Dairy management	01		20								
FW	OFC		Feeding of pregnant goat	01		20								
FW	OFC		Forage management in lean period	01		20								
Home Science														
FW	OFC	WOE	Safe storage of food grains through locally available materials.	01	02	20								
FW	OFC	WOE	Preparation of Tomato,Chutney,Ketchups	01	02	20								
FW	ONC	WOE	Techniques of chips making	01	02	20								
FW	ONC	WOE	Preparation of seasonal fruits squashes	01	02	20								
FW	OFC	WOE	Techniques of preparing various mango fruit products.	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	WOE	Importance of Hygiene and sanitation in farm family	01	02	20								
FW	ONC	WOE	Techniques of preparing of low cost seasonal available nutritious dishes for vulnerable groups.	01	02	20								
FW	OFC	WOE	Balance diet for rural women	01	02	20								
FW	ONC	WOE	Training on Value addition of local available fruits Vegetable	01	02	20								
FW	OFC	RY	Stitching Training on income generation methods for empowerment of rural Women	01	02	20								
FW	ONC	WOE	Layout of backyard nutritional kitchen garden	01	02	10								
FW	ONC	WOE	Layout and transplanting techniques of brinjal tomato & Chilli in Nutritional Kitchen garden	01	02	10								
FW	OFC	WOE	Techniques of preparing various alma fruit products	01	02	20								
FW	ONC	RY	Assessment of mushroom production for income generation of resource poor farm women	01	02	20								
FW	ONC	WOE	Techniques of preparing various guava fruit products	01	02	15								
FW	ONC	WOE	Nursery raising technique for cucurbitaceous vegetables	01	02	10								
FW	ONC	WOE	Techniques of raising rabi season vegetables nursery	01	02	20								
Soil Science														
FW	OFC		Technique of collecting oil sample for testing	01	01	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	OFC		Reclamation of problematic soils	01	02	20								
RY	ONC		Soil testing through Mirda Parikshak	01	10	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	
Paravet	Livestock	Employment generation for rural youths	30							
Seed Production	Cereals	Employment generation for rural youths	35							
Seed Production	Pulses	Employment generation for rural youths	35							
Vermi Composting 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	Nursery	Employment generation for rural youths	10							

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries						
				SC		ST		Others		
				M	F	M	F	M	F	
involved in raising nursery of fruit plants		youths								
Stitching Training	Women Empowerment	Employment generation for rural youths	30							
Mushroom Production	Mushroom	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 elsewhere
	Type of units	Number of units	Number of persons employed	
Vermicompost production				
Nursery raising				
Poultry farming				
Farming system model				
Seed Production				
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		
Vermicompost Production	PIS	Production of organic inputs	FW	02	02								
Soil and Water conservation techniques	SWC	Soil and Water conservation	FW	01	02								
Production technology of vegetables	HOV	Production of low volume and high value crops	FW	03	03								
Nutrient Management	CP	INM	FW	02	02								

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		
Organic farming	CP	Organic farming	FW	02	03								
Appropriate use of conserved water for crop production	CP	RCT	FW	02	02								
Production technology for oilseeds and pulse crop	CP	IN	FW	02	02								

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	
Seed production technique in mustard								

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 of wheat through zero tillage								
Integrated crop management in soybean								
Improved production and management technique in chillies								
Improved production and management technique in onion								
Integrated disease management in red gram								
Management of aphid in mustard								

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										
Group meetings	20										

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			
Lectures delivered as resource persons	20										
Newspaper coverage	24										
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	Sahbhagi	SD	15	qtl	30000	
Cereals	Paddy	Pusa Basmati-1509	SD	10	qtl	40000	
Cereals	Paddy	Pusa Sugandh-5	SD	05	qtl	50000	
Cereals	Paddy	JR-201	SD	10	qtl	30000	
Cereals	Paddy	Pusa Basmati-1401	SD	05	qtl	40000	
Cereals	Paddy	MTU-1010	SD	15	qtl	30000	
Cereals	Wheat	HD-2864	SD	10	qtl	30000	
Cereals	Wheat	JW-3020	SD	10	qtl	30000	
Cereals	Wheat	HI-1544	SD	10	qtl	30000	
Cereals	Wheat	GW-322	SD	10	qtl	30000	
Cereals	Wheat	GW-366	SD	10	qtl	30000	
Cereals	Wheat	MP-3211	SD	10	qtl	30000	
Cereals	Wheat	JW-17	SD	08	qtl	24000	
Cereals	Wheat	MP-3288	SD	08	qtl	24000	
Cereals	Barley	JB-1	SD	10	qtl	24000	
Pulses	Pigeon pea	TJT-401	SD	0.50	qtl		
Pulses	Pigeon pea	TJT-501	SD	0.50	qtl		
Pulses	Pigeon pea	ICPL-88039	SD	0.50	qtl		
Pulses	Green gram	Samrat	SD	0.50	qtl		
Pulses	Green gram	IPM-2-3	SD	0.30			
Pulses	Green gram	IPM-2-14	SD	0.20	qtl		
Pulses	Black gram	IPU-94-1	SD	0.30	qtl		
Pulses	Black gram	IPU-2-43	SD	0.40	qtl		
Pulses	Black gram	PU-31	SD	0.30	qtl		
Pulses	Chickpea	JG-14	SD	2.0	qtl		
Oilseed	Sesame	GT-1	SD	1.50	qtl		
Oilseed	Sesame	JTS-21	SD	0.50	qtl		
Oilseed	Sesame	JTS-08	SD	0.50	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
Oilseed	Sesame	TKG-306	SD	0.50	qtl		
Oilseed	Sesame	TKG-55	SD	0.50	qtl		
Oilseed	Mustard	Pusa Tarak	SD	3.50	qtl		
Oilseed	Mustard	Pusa Jai Kisan	SD	0.50	qtl		
Oilseed	Mustard	Pua Bold	SD	0.50	qtl		
Oilseed	Mustard	NDR-8501	SD	3.50	qtl		
Oilseed	Mustard	Bharat -1	SD	3.50	qtl		
Oilseed	Mustard	Varuna	SD	2.00	qtl		
Spices	Chillies	Kashi Anmol, PantC-1	SD	0.50	qtl		
Spices	Zinger	Suprabha	SD	2.0	qtl		
Spices	Turmeric	Pant Pitambh, Shoruma, Barua Sagar	SD	2.0	qtl		
Spices	Coriander	Pant Haritima	SD	1.0	qtl		
Spices	Fenugreek	Pusa Early Bunching, 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.		
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 seedling	Coorg Honey Dew	PM	2000	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
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.		
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 Unnati	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.		

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
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	20000	No.		
Vegetables	Chillies	Kashi Anmol, Azad-1	PM	20000	No.		
Vegetables	Cabbage	Golden Acre, Mukta	PM	6000	No.		
Vegetables	Cauliflower	Pusa Shubra, Snowball-16	PM	10000	No.		
Vegetables	Broccoli	Fiasta	PM	2000	No.		
Vegetables	Red Cabbage	Primro	PM	1500	No.		
Vegetables	Onion	Agri Found Light Red	PM	50000	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					
Spices	Turmeric			0.1	Pant Pitambh, Shoruma, Barua Sagar					

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

Name of the Product	Qty(qtl)	Amount (Rs.)		Remarks
		Cost of inputs	Gross income	
BIO AGENTS	2	10000	20000	
BIO PESTICIDES	0.50	500	1000	

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	1200			
Buffalo	Murrah	Milk	1400			
Sheep and Goat	Barbari/Jamunapari	Kids	10			
Poultry	Broiler/Kadakhath	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	2		
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
	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	48	35000	213	

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Satna	02.06.2017		

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

Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
CD	Production Technology of Onion	50
CD	Production Technology of Turmeric	50
CD	Seed Production Technology of gram	50
CD	Seed Production Technology of Wheat	50
CD	Production Technology of Redgram	50
CD	Disease Management in Pulse crops	50
CD	Disease Management in oilseed crops crops	50

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	10				
News paper coverage	30				
Year Planner	01				
Extension literature	15				

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				
NHM	State				
DRDA	State				

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

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?

The plan has been prepared and submitted to DRDA for financial assistance

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 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	Field Crops Cafeteria	
2	Vegetable Crops Cafeteria	
3	Fruit Crops Cafeteria	
4	Medicinal plants 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	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	30.06.2016 & 11.02.2016	250

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Satna	02	06	03	57

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, 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
01	Satna		

25. E-CONNECTIVITY (ERNET Lab): Nil**26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS**

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Gosthies	03	150	
Lectures organized	12	500	
Exhibition	03	500	
Film show	12	350	
Fair	01	500	
Farm Visit	6	350	
Diagnostic Practical's	5	250	
Distribution of Literature (No.)	15	500	
Distribution of Seed (q)	40	500	
Distribution of Planting materials (No.)	1500	500	
Bio Product distribution (Kg)			
Bio Fertilizers (q)			
Distribution of fingerlings (No)	0	0	
Distribution of Livestock specimen (No.)	3	3	
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	
6	Satna	Fruits	15	

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
7	Satna	Spices	15	
8	Satna	Cotton	0	

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

Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Tomato	40000		
Brinjal	12000		
Chillies	20000		
Cabbage	6000		
Cauliflower	6000		
Broccoli	2000		
Red Cabbage	1500		
Onion	50000		
Capsicum	500		

Bio-control Agents

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
Satna				

Verms Produced

Name of KVK	Verms 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	Green gram (Samrat) – Ridge and furrow sowing	3.0	10
Satna	Pegion pea(ICPL-88039) – Ridge and furrow sowing	3.0	10

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 2016-17**1. Technologies to be demonstrated**

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Early maturing/Drought tolerant varieties: Crop					
Rice- JR201/Sahbhagini/PNR-58	Rice	8			
Sesame-JTS-21	Seasme	3			
Pegionpea- TJT-501/TAT-10/Pusa-2002	Pigeon pea	2			
Wheat- JW-17/JW-3020/HD-2864	Wheat	4			
Chickpea-JG-11/JG-14	Chickpea	4			
Barley-K-508/JB-1/JB-2	Barley	4			
Nizer-JNC-1/JNC-9	Niger	1			
Introduction of new crops- (Kharif)					
Green gram- Samrat/Meha/PM-5	Green Gram	4			
Black gram-IPU 94-1	Black Gram	4			
Soybean-JS 9560/NRC-86/JS-20-34	Soybean	4			
Toria – JT-1	Toria	-	-	-	
Mustard- Pusa Tarak/Pusa Agrini/Pusa Vijay	Mustard	12			

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Appropriate inter-cropping systems –					
Pegionpea + greengram	Pegionpea + greengram	2			
Wheat+ mustard	Wheat+ mustard	2			
Chickpea+Linseed	Chickpea+Linseed	2			
Crop diversification					
Cowpea (Lobia)-Komal	Lobia	1			
Vegetable pea-Arkil/AP-3	Vegetable pea	1			
Fenugreek-Azad Methi	Fenugreek	1			
Field Pea-KPMR-400	Field Pea-	1			
Income Generation activity (Veg. production)					
Onion- Agri found Dark red/Bhima Super	Onion	1			
Tomato-Azad-1	Tomato	1			
Okra-VRO-6	Okra	1			
Turmeric-Barua Sagar	Turmeric	.5			
In-situ moisture conservation:					
Summer ploughing		20			
Ridge and Furrow- Pigeonpea		4			
Ridge and Furrow- Moong		4			
Ridge and Furrow- Soyabean		4			
Vermi Compost unit		10Unit			
Pitcher Irrigation Tech		1			
Azolla		5 unit			
Conservation Tillage					
DSR-Rice+ Sesbania		8			
Transplanted pigeon Pea		4			
Wasteland Development					
Plntation of Economic Trees(Aonla,Karonda, August,Drum Stick)		2			
Rainwater harvesting structure					
Size:					
Farm Bunding		25			
Renovation of defunct wells in the village:		5			
Well Recharge		5			
Renovation of existing water harvesting Structure(2		84			

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
No)					
Micro-irrigation system:					
1-Drip		0			
2-Sprinkler (2 set)		10			
Seed Bank (Storage bins)		No.			
Paddy (5qtl capacity)		01			
Moong (2qtl capacity)		01			
Sesame (0.5 qtl capacity)		01			
Chickpea (5qtl capacity)		01			
Mustard (2qtl capacity)		01			
Wheat (5qtl capacity)		01			
Fodder Bank (community land)					
Plantation of fodder tree		01			
Perennial grasses		-			
Development of private/ common fodder resources					
Prophylaxis of livestock		500			
Sorghum (Chari)Var. MP-9	Chari	01			
Barseem-JB-1	Barseem	0.5			
Oat-JHO-822	Oat	0.5			
Introducing better adapted high yielding breeds of livestock					
Improved Buck (Lalitpuri)		02 no.			
Backyard poultry	Karaknath	10			

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,IIPR-kanpur&CSA kanpur				
Field Day				
Farmers Scientist Interaction				
Exhibition				
CD show				
Village Climate Risk Management Committee/ Seed Bank/ fodder				

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
bank meeting				
Kisan Mobile Sandesh				
Animal camps and Vaccination				

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Rain water harvesting techniques				
Resource conservation technologies for rain fed farming				
Weed Management in Kharif crops				
Improved sowing technique for rain fed areas viz. Ridge and furrow, Raised bed technique				
Production technology of Rainy season vegetables				
Role of vegetables for Income generation activity				
Sowing technique of Rabi crops				
Crop diversification and cropping system to overcome the drought effects.				
Organic manure and bio pesticide preparation techniques				
Techniques for protecting crops from frost and mitigating frost injury.				
Safe storage of food grains and seed				
Feeding management & disease control in livestock				
Application of nutrient on the basis of soil testing				
Importance of De worming in animals				
Awareness about vaccination in animals				

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
2011	0.40 ha	0.01ha

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status
2011	100 q	12q

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
01	Satna	03	02

KVK, Sehore

PERIOD – April 2016 to March, 2017

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	185			
FLDs – Oilseeds (activity in ha)	4.0 (02)	10			
FLDs – Pulses (activity in ha)	10.0 (03)	20			
FLDs – Cotton (activity in ha)	0	0			
FLDs – Other than Oilseed and pulse crops(activity in ha)	20.0 (11)	55			
FLDs – Other than Crops (activity in no. of Unit/Enterprise)	6	105			
Training-Farmers and farm women	51	1315			
Training-Rural youths	13	290			
Training- Extension functionaries	20	450			
Vocational Trainings	11	130			
Extension Activities	334	12604			
Seed Production (Number of activity as seeds in quintal)	250	275			
Planting material ((Number of activity as quantity of planting material in quintal)	500	100			
Seedling Production (Number of activity as number of seedlings in numbers)	31200	845			
Sapling Production (Number of activity as number of sapling in numbers)	5000	500			
Other Bio- products (No. of quantity)	100	200			
Live stock products	15				
	6	100			
Activities of Soil and Water Testing Laboratory	500	1500			
Rainwater Harvesting System	-	-			
Kisan Mobile Advisory (KVK-KMA)	52	28400			
SAC Meeting (Date & no. of core/ official members)	01	30			
	01	30			
Literature to be Developed/Published	45	Mass			
Convergence programmes / Sponsored programmes	02	60			

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	100	1225			
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	05	05			
Case study / Success Story to be developed	08	02			
KVK Progressive Farmers interaction	02	100			
Outreach of KVK in the District (No. of blocks, no. of villages)	05/925	-			
Technology Demonstration under Tribal Sub Plan	01	50			
KVK Ring	03	03			
Important visitors to KVK	10	10			
Status of KVK Website	Regularly update				
Status of RTI	-	-			
E-connectivity	-	-			
Details of Technology Week Celebrations	01	290			
Interventions on Drought Mitigation	-	-			
Proposal of NAIP	-	-			
Proposal of NICRA	-	-			
Well labeled photographs	-	-			
Other Activities	-	-			

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs as on 31 March, 2017

Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
16	01	-	06	05	03	02	06	05	16	12

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)
Head	Vacant	-	-	-	-	-	-	-	-
Scientist – 1	Mr. J. K. Kanaujia	Horticulture	M.Sc.	Vegetable	15600 -5400-39100	23675.00	09/07/05	Temporary	OBC
Scientist-2	Vacant	-	-	-	-	-	-	-	-
Scientist – 3	Mr. Sandeep Todwal	Soil Science	M.Sc.	Soil Science & Agri Chemistry	15600 -5400-39100	19674.00	16/12/10	Temporary	OBC
Scientist – 4	Dr S. C. Kantwa	Animal Science	Ph.D	LPM	15600 -5400-39100	17547.00	05/08/13	Temporary	OBC
Scientist – 5	Mr Ajit Kripal Sahu	Agronomy	M.Sc.	Agronomy	15600 -5400-39100	17547.00	27/08/13	Temporary	OBC
Scientist – 6	Mr Sandeep Chouhan	Agri Extension	M.Sc.	Agri Extension	15600 -5400-39100	17547.00	09/09/13	Temporary	GEN
Programme Assistant	Mrs Neelofar Siddique	Home Science	B.Sc.	Home Science	9300-4200- 34800	11451.00	15/11/10	Temporary	GEN
Farm Manager	Mr Sanjay Patawa	Horticulture	M.Sc.	Vegetable	9300-4200- 34800	10552.00	01/08/13	Temporary	OBC
Computer Programmer	Vacant	-	-	-	-	-	-	-	-
Accountant	Mr Shashikant Harde	Commerce	M.Com	Commerce	9300-4200- 34800	10552.00	01/08/13	Temporary	SC
Stenographer	Mr. Bhanu Pal Singh	Science	B.Sc.	Steno	5200 - 2400-20200	10436.00	25/01/08	Temporary	GEN
Driver	Mr. Pradip Singh Rajput	-	10 th	-	5200 - 2000-20200	9022.00	18/08/03	Temporary	GEN
Driver	Vacant	-	-	-	-	-	-	-	-
Supporting staff	Mr. Ravishanker Raikwar	-	10 th	-	4400 - 1300- 7440	7764.00	01/03/01	Temporary	OBC
Supporting staff	Mr. Nirmal Kumar	-	8 th	-	4400 - 1300- 7440	6436.00	25/08/06	Temporary	ST

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

Location

The district is situated at central part of Madhya Pradesh with longitude and latitude of 22°33'49' to 23°41'02'North and 76°26'55 to 78°01'59' on East respectively. It stands in the foothills of *Vindhyachal Range* in the middle of *Malwa* region. The District is spread over an area of 6,578 square km and it is surrounded by six district viz.. Bhopal, Raisen, Hoshangabad, Dewas, Shajapur and Raigarh. Likewise the district is well connected to the Western Railway from Bhopal to Ratlam.

Demographic Profile:

District Sehore has total population 1311332 as per census 2011. The literacy level in the district is 71%. The total SC and ST population comes in tune of 31.78% in the district as per census 2011. Tehsil wise population details given in the table –

Name of the Tehsil	Population				SC		ST		General		Total	
	M	F	CH*	Total	No. of household	No. of Members	No. of household	No. of Members	No. of household	No. of Members	No. of household	No. of Members
Sehore	143539	131539	38501	275078	9646	48229	2226	11128	41227	215721	53098	275078
Ashta	131462	122000	36869	253462	13680	68399	1161	5806	35597	179257	50438	253462
Ichhawar	84198	78109	26299	162307	6801	34006	6677	33384	18628	94917	32106	162307
Nasrullaganj	91834	84429	28487	176263	5352	26760	9726	48630	17909	100873	32987	176263
Budni	48652	43254	12768	91906	2907	14535	2659	13296	13450	64075	19016	91906
Shyampur	80246	72108	24099	152354	5802	29008	452	2262	23870	121084	30124	152354
Jawar	56142	52319	16139	108461	8022	40109	1229	6147	12953	62205	22204	108461
Rehti	47670	43831	14267	91501	2047	10235	4972	24859	10319	56407	17338	91501
Total	683743	627589	197429	1311332	54256	271281	29102	145512	173952	894539	257311	1311332

(Source : Census -2011)

Topography and Agro climatic characteristic:

The district fall in the Vindhya plateau, as the zone is characterized by black soil mostly medium in depth. The major crop are grown in the region are Soybean and Wheat crop. The district has about 60% area is under medium black soil (30 - 60 cm depth) and about 20% deep (more than 60 cm depth) and about 20 % shallow soil (30 cm depth). The average mean sea level is falls in the range of 457 to 609 meter.

Agro-ecological situation

Agro Climate Zone	Agro- ecological situation	Block covered	Area in '000 Ha.	Soil Type
Vindhyan Plateau	Vindhyan Plateau (AES- I)	Sehore, Asta and Ichhawar	409.494	Medium Black
	Central Narmada Valley	Budani & Nasrullaganj	246.874	Medium Black & Alluvial Soil
Total Area	-	-	656.368	-

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2015 to 31.3.2016 (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of Adoption	Block Name	Distance from KVK	Population	Number of Farmer (having land in the village)
Sehore	Bafapur	2012	Asta	79Km	1884	241
Sehore	Bichhia	2013	Sehore	70 Km	2440	520
Sehore	Golukhedi	2014	Ichhawar	30 Km	2576	238

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
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 plant nutrient Lack of knowledge about bio fertilizer & its application	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district

Problem identified	Methods of problem identification	Location Name of Village & Block
Unavailability of high yielding varieties/ hybrids in field crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, Interface, Extrainees 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, Extrainees meet etc.	Problem are common in entire district
Lack of awareness about seed treatment	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Heavy infestation of weeds in Kharif crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Low water use efficiency	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees 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, Extrainees meet etc.	Problem are common in entire district
Heavy infestation of insect & disease	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Slow crop diversification in Horticultural crops	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees meet etc.	Problem are common in entire district
Slow adoption of farm mechanization	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees 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, Extrainees meet etc.	Problem are common in entire district
Poor adoption of technology by Farmers	Field visit, Discussion, Meeting, Krisak sangosthi, PRA, SAC meeting, Interface, Extrainees 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
2016- 17	Low yield of tomato & Chilli due to infestation of weeds	Assessment	H&Vc	Vegetable	Irrigated	05	05	Assessment of plastic mulch in tomato and chilli				

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
2016- 17	Low yield of onion due to imbalance use of plant nutrient	Assessment	INM	Onion	Irrigated	10	10	Assessment of INM in Onion crop				
2017- 18	Low yield of Soybean due to poor information sources in farming community.	Assessment	ICT	Enterprises	-	-	40	Assessment on Electronic Media based technology information for production technology of soybean				
Kharif 2017	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	2.0	5	Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop				
Kharif. 2017	Low & poor quality yield of cucurbits	Assessment	IPM	Bottle gourd & Pumpkin	Irrigated	1.5	10	Assessment of IPM module for				

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
	due to heavy infestation of fruit fly (Av. Yield losses up to 12-15 %)							the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)				
Kharif. 2017	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, 2017- 18	Low quality and yield due to low or no use of potassium nutrient	Assessment	INM	Soybean	Irrigated	6.0	10	Assessment of INM module in Soybean crop				
kharif 2016- 17	Low yield of Kharif Onion Farmers are mainly growing local varieties (known as Nasik) with major breakthrough in yield	Assessment	Varietal evaluation	Onion	Irrigated	0.75	05	Assessment of promising varieties 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
	realization through improved varieties, the farmers aspire to get maximum production per unit area.											
2017-18	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				
2017 - 18	Low body weight gain & less egg production due to heat stress	Assessment	Feed management	Poultry	-	-	10	Assessment the impact of Electrolytes to control heat stress condition in poultry				
Rabi, 2017-18	Low yield of Tomato and higher production cost.	Assessment	H&VC	Tomato	Irrigated	0.75	05	Assessment of Tomato Hybrid Arka Rakshak.				
Rabi, 2017-	Low yield of wheat due to	Assessment	CMP	Wheat	Irrigated	6.0	10	Assessment of Wheat				

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
18	use of old and impotent varieties.							variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.				
Rabi, 2017- 18	Low yield of chickpea due to heavy infestation of gram pod borer (Average yield losses up to 15-20 %)	Assessment	IPM	Chickpea	Semi irrigated	3.0	10	Assessment of IPM module for the management of gram pod borer in chickpea				
Rabi, 2017- 18	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	3.0	10	Assessment of IPM module for the management of termite in wheat under semi irrigated condition				
Rabi, 2017- 18	Low yield of chick pea crop due to imbalance	Assessment	INM	Chickpea	Irrigated	1.5	10	Assessment of INM module in chickpea				

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
	use of plant nutrient (9:23:00 NPK kg./ha.)							crop				
Rabi, 2017- 18	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 Cabbage and cauliflower.				
Rabi, 2017- 18	Low yield og 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, 2016- 17	Low yield of Green Gram due to heavy incidence of yellow mosaic disease	Assessment	IDM	Green Gram	Irrigated	1.5	10	Assessment of IDM module for the management of Yellow mosaic disease in Green Gram				

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of plastic mulch in tomato and chilli		
Assessment of INM in Onion crop		
Assessment on Electronic Media based technology information for production technology of soybean		
Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop		
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 INM module 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 the impact of Electrolytes to control heat stress condition in poultry		
Assessment of Tomato Hybrid Arka Rakshak.		
Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.		
Assessment of IPM module for the management of gram pod borer in chickpea		
Assessment of IPM module for the management of termite in wheat under semi irrigated condition		
Assessment of INM module in chickpea crop		
Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.		
Assessment of INM module in onion crop		
Assessment of IDM module for the management of Yellow mosaic disease in Green Gram		

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 plastic mulch in tomato and chilli												
Assessment of INM in Onion crop												
Assessment on Electronic Media based technology information for production technology of soybean												
Assessment of Furrow Irrigated Raised Bed System (FIRBS) machine in Soybean crop												
Assessment of IPM module for the management of fruit fly in cucurbits (Bottle gourd & Pumpkin)												

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 INM module in hybrid maize crop												
Assessment of INM module in Soybean crop												
Assessment of promising varieties of Kharif Onion for higher yield and income.												
Assessment of Bajara + Cowpea on production performance of lactating buffalo												
Assessment the impact of Electrolytes to control heat stress condition in poultry												
Assessment of Tomato Hybrid Arka Rakshak.												
Assessment of Wheat variety HI 1605 (Pusa Ujala) in Semi irrigated Condition.												
Assessment of IPM module for the management of gram pod borer in chickpea												
Assessment of IPM module for the management of termite in wheat under semi irrigated condition												
Assessment of INM module in chickpea crop												
Assessment of Integrated Management of diamond Black Mouth in Cabbage and cauliflower.												
Assessment of INM module in onion crop												
Assessment of IDM module for the management of Yellow mosaic disease in Green Gram												

3. Front Line Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (up to 2016-17)

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
Onion	IPM	Demonstration of imidachloroprid 17.8 % S.L for the management of sucking pest in rabi onion		01	10	4.0
Green gram	INM	Demo. of 75% RDF as per STV (20:60:20) NPK kg./ha. + seed		01	5	2.0

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
		inoculation with Rhizobium & PSB + 4 ton FYM /Ha.				
Cucurbits	H&VC	Spray of 100 ppm NAA at flowering stage in Cucurbits (Bitter gourd)				
Green gram	CMP	Pkg demonstration of Green gram - Improved variety of Green gram, seed treatment, RDF as per STV, Weed management & Timely plant protection				
Calf management	LPM	Demo. of Calf Management in buffalos for manage calf mortality				
Enterprises	ICT	Demo. of Whats app technology in dissemination of Agriculture technologies.				
Maize (Hybrid)	CMP	Pkg. Demo. of improved Hybrid seed + Seed treatment with Carboxin + Thiram @ 3 g per kg seed +Azotobacter & PSB culture @ 5g/kg seed/100mlper acre +Seed rate25 kg / ha + Nutrient management as per STV@ 100:60:40 N:P:K kg/ha + timely weed management and plant protection measures.	Demo. , Farmers training, Field visit, Field day, In- service training etc	01	5	2.0
Pigeon pea	CMP	Pkg demonstration of pigeon pea improved variety TT 401 + 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.		01	5	2.0
Paddy	I&FM	Demonstration of Application of Pretilachlor + Bensulfuron @ /ha at transplanting and FBapplication of Ambika paddy weeder at 20 & 30 DAT.		01	10	-
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		03	60	-
Soybean	INM	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				

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
Tomato	IDM	Demonstration of of seed & seedling treatment of tomato with Trichoderma 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	01	05	0.5	
Vegetable	HOV	Demonstration of Plug Tray for raising healthy seedlings	02	10	1.0	
Buffalo	Disease management	Demonstration of Vitamins E in subclinical mastitis of Buffalo				
Cow	Feed management	Demonstration of Feeding Balance Ration (TMR) in Pregnant Cow				
Sorghum - Berseem- Maize	Feed management	Demonstration of round the year Green fodder production				
Buffalo	Feed management	Demonstration of Supplement Mineral Mixture & Concentrate feed for milk production in Buffalo				
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	02	15	0.3	
Wheat	CMP	Demo. of Wheat variety HI 8713 (Pusa Mangal) under irrigated conditions				
Wheat	I&FM	Demo. of Zero tillage seed cum fertilizer drill machine and application of Metsulfuron methyl + Clodinafop Propargyl ai @ 64g per Ha. At 25-30 DAS.				
Wheat	INM	Demo. of STCR (targeted yield 50q./ha.) in Wheat crop				
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	Pkg demonstration of improved variety TJM 37 + Seed treatment with Carboxin + Thiram @ 3 g per kg seed fb Seed dressing with Thiamethoxam 70FS @ 1.33 ml/ kg Seed + Rhizobium & PSB				

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
		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.				
Green gram	INM	Demo. of integrated nutrient Management (INM) of Green gram				
Garlic	H&VC	Demonstration of improved variety Garlic G-282		01	05	1.0

3.4 Details of FLDs to be implemented during 2017-18

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	2016-17	Demonstration of imidachloroprid 17.8 % S.L for the management of sucking pest in rabi onion	4.0	Onion				0	0	10	0	10
INM	Green gram	2016-17	Demo. of 75% RDF as per STV (20:60:20) NPK kg./ha. + seed inoculation with Rhizobium & PSB + 4 ton FYM /Ha.	2.0	Green gram				1	0	4	0	5
H&VC	Cucurbits	2016-17	Spray of 100 ppm NAA at flowering stage in Cucurbits (Bitter gourd)	2.0	Cucurbits				0	0	5	0	5
CMP	Green gram	2016-17	Pkg demonstration of Green gram - Improved variety of Green gram, seed treatment, RDF as per STV, Weed management & Timely plant protection	2.0	Green gram				1	0	4	0	5
LPM	Calf management	2016-17	Demo. Of Calf Management in buffalos for manage calf mortality	10	Calf management				0	0	9	1	10
ICT	Enterprises	2017-18	Demonstration of whats app (Social media) for the dissemination of technologies	60	Enterprises				10	5	25	20	60

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, 2017	Pkg demonstration of pigeon pea improved variety TT 401 + 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	TT-401				5	0	5	0	10
I&FM	Paddy	Kharif , 2017	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
CMP	Maize	Kharif, 2017	Pkg. Demo. of improved Hybrid seed + Seed treatment with Carboxin + Thiram @ 3 g per kg seed +Azotobacter & PSB culture @ 5g/kg seed/100mlper acre +Seed rate25 kg / ha + Nutrient management as per STV@ 100:60:40 N:P:K kg/ha + timely weed management and plant protection measures.	4.0	Hybrid (HQPM -4)				5	0	5	0	10
INM	Soybean – Wheat	Kharif , 2017 & Rabi – 2017-18	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
INM	Soybean	Kharif, 2017	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-9305				1	0	4	0	5
IPM	Maize	Kharif, 2017	Demonstration of IPM module for the management of stem borer in maize crop	2.0	Hybrid Maize				2	0	8	0	10
H&VC	Vegetable	Kharif, 2017	Demonstration of plug tray & medium far raising healthy vegetable seedlings	1.0	Hybrid				0	0	10	0	10
H&VC	Kitchen garden - Vegetable crops	2017 - 18	Demonstration on Kitchen gardening in Backyard for nutritional and Livelihood security	0.4	Hybrids				7	-	8	0	15
H&VC	Okra – Spinach – Onion	Kharif, 2017	Demonstration of cropping system (Okra- Spinach – Onion)	0.5	Hybrids				0	0	5	0	5
IDM	Chilli	Kharif, 2017	Demonstration of IDM module for the management of leaf curl disease in chilli	1.0	Chilli				0	0	5	0	5
Feed management	Cross breed cow	2017-18	Demonstration of balance feeding with azolla in cross breed cow.	10	Enterprise				0	0	10	0	10
Feed management	Cow	2017-18	Demonstration of Feeding Balance Ration (TMR) in Pregnant Cow	05	Enterprise				1	0	4	0	5
Breed improvement	Poultry	2017-18	Demonstration of improved breed for backyard poultry – Gram Priya	10	Enterprise				10	0	0	0	10
Calf management	Buffalo	2017-18	Demonstration of integrated management of calf mortality in buffalo	10	Enterprise				0	0	7	3	10
INM	Wheat	Rabi, 2017-18	Demonstration of STCR in wheat crop (Targeted yield 50qtl/ha) + Seed inoculation with Azotobactor & PSB	2.0	HI – 8713				1	0	4	0	5
IDM	Chickpea	Rabi, 2017-18	Demonstration of IDM module for the management of wilt, root rot & collar rot disease in chickpea	2.0	JG-16				2	0	3	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
IPM	Onion	Rabi, 2017-18	Demonstration of Imidacloprid 17.8 % SI for the management of sucking pest in Rabi onion.	4.0	AFLR				3	0	7	0	10
Feed management	Buffalo	2017-18	Demonstration of Vitamin E for the management of subclinical mastitis of Buffalo	10	Enterprise				0	0	8	2	10
H&VC	Garlic	Rabi 2017-18	Demonstration of improved variety Garlic G-282	1.0	G- 282				0	0	0	5	5
INM	Green gram	Zaid, 2017-18	Demonstration of 75 % RDF as per STV + FYM 4 ton / ha + Seed inoculation with Rhizobium & PSB @ 5-5 gm / Kg in each	2.0	PDM-139				1	0	4	0	5
CMP	Green gram	Zaid, 2016-17	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.	4.0	TJM-37				0	0	0	5	05

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	Demo. of 75% RDF as per STV (20:60:20) NPK kg./ha. + seed inoculation with Rhizobium & PSB + 4 ton FYM /Ha.	No. of pods/ Plant Test weight (gm) Yield (q./Ha)											
Cucurbits	Spray of 100 ppm NAA at flowering stage in Cucurbits (Bitter gourd)	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 & Timely plant protection	No. of plants/ M ² No. of pods/ Plant Test weight (gm) Yield (q./Ha)											
Calf management	Demo. Of Calf Management in buffalos for manage calf mortality	Calf mortality (%) 4 month Body weight gain (kg.) 4 month											
Enterprises	Demonstration of whats app (Social media) for the dissemination of technologies	Perception towards the technology (%) Knowledge level (%) Extent of dissemination of technical information (%) Applicability (%) Under stability (%)											

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 TT 401 + 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 (gm) Net income (Rs/Ha)											
Paddy	Demonstration of Application of Pretilachlor + Bensulfuron @ /ha at transplanting and FB application of Ambika paddy weeder at 20 & 30 DAT.	No. of plants/ M ² No. of pods/ Plant Test weight (gm) Net income (Rs/Ha)											
Maize	Pkg. Demo. of improved Hybrid seed + Seed treatment with Carboxin + Thiram @ 3 g per kg seed +Azotobacter & PSB culture @ 5g/kg seed/100mlper acre +Seed rate25 kg / ha + Nutrient management as per STV@ 100:60:40 N:P:K kg/ha + timely weed management and plant protection measures.	No. of cobs/ Plant No. of grains/ Cob Test weight (gm) 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	
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	No. of effective tillers / Plants Yield (q./ha.) Net income (Rs/Ha)											
Soybean Maize	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 Demonstration of IPM module for the management of stem borer in maize crop	Soybean	No. of Pods/ Plant Test weight (g)										
		Wheat	No. of tillers/ Plant Test weight (g)										
Vegetable	Demonstration of plug tray on 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.)											

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	
Okra – Spinach – Onion	Demonstration of cropping system (Okra-Spinach – Onion)	Yield (q./ha.) Net return (Rs./ha.)											
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 Feeding Balance Ration (TMR) in Pregnant Cow	Incidence of PP problems (%) Calf body weight (Kg) 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 integrated management of calf mortality in buffalo	Calf mortality (%) Body weight gain (Kg)											
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)											

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	
Chickpea	Demonstration of IDM module for the management of wilt, root rot & collar rot disease in chickpea	Disease incidence (%) Net income (Rs/Ha)											
Onion	Demonstration of Imidacloprid 17.8 % SI for the management of sucking pest in Rabi onion.	Sucking pest infestation (%) Net income (Rs/Ha)											
Buffalo	Demonstration of Vitamin E for the management of subclinical mastitis of Buffalo	Decrease subclinical mastitis (%) Milk Yield (Lit/Day)											
Garlic	Demonstration of improved variety Garlic G-282	No. of pods/Plant Test weight (gm)											
Green gram	Demonstration of 75 % RDF as per STV + FYM 4 ton / ha + Seed inoculation with Rhizobium & PSB @ 5-5 gm / Kg in each	No. of plants/M2 No. of pods/Plant Test weight (gm) Net income (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)											

3.4 Training and Extension activities proposed under FLD

Crop	Activity	No. of activities organized	Number of participants	Remarks
Enterprises	Field days	-	-	
	Farmers Training	03	75	
	Media coverage	03	Mass	
	Training for extension functionaries	01	20	
Soybean	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
Pigeon pea	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
Paddy	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
Maize	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	
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	
Maize	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Vegetable nursery	Field days	01	30	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Okra-Spinach-Onion	Field days	01	30	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Kitechen 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	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	25	
Pregnant Cow	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Poultry	Field days	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
Buffalo	Field days	01	40	
	Farmers Training	01	25	
	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	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	

Crop	Activity	No. of activities organized	Number of participants	Remarks
	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	40	
	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	01	40	
	Farmers Training	01	25	
	Media coverage	01	Mass	
	Training for extension functionaries	01	20	

3.5 Details of FLD on crop hybrids.

S. 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

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption
Sehore	After identification and prioritization of problems we select appropriate technology in conducting OFT & FLDs for solving/minimizing the problems	Participatory approach in identification & finalization of technology compilation of quantification and qualitative impacts with farmers and documentation of farmer's	On the basis of B:C ratio farmers give their reaction on inputs & method applied in conducting OFT & FLDs	- Collection of farmers and Extension person reaction during the field day and exposure visit. - Follow up of FLDs and measurement of Horizontal spread is also compiled

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Sehore	- Feedback basis of OFT on technology tested. - Performance of qualitative & quantitative parameter. - B:C ratio - Equitability, sustainability & adoptability. - Farmers reaction.

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 & Farm Women	PRA,	April, 2017	100
	SAC Meeting,	18-05-17 & 22-09-17	30
	Field Visit,	During crop period	-
	Diagnostic Visit,	During crop period	-
	Kisan mela, Workshop & Sangosthi.	As per plan	2500
Rural Youth	PRA,	April, 2017	100
	SAC Meeting,	18-05-17 & 22-09-17	30
	Interface	Kharif & Rabi season	100
Vocational Training	PRA,	April, 2017	100
	SAC Meeting,	18-05-17 & 22-09-17	30
	Interface	Kharif season	50
Extension Personal	SAC Meeting,	18-05-17 & 22-09-17	30
	Monthly Workshop,	Kharif & Rabi	100

Category of the training	Methods of need assessment	Date and place	No. of participants to be involved
	Interface	Kharif & Rabi	100
	Discussion with line department	Every month	10

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
FW	ONC	CRP	Repair & Maintenance of Farm Machineries	01	01	25	-	-	-	-	-	-	25	-
FW	ONC	HOF	Plantation Techniques of fruits plant & Promising varieties	01	02	25	15	-	3	-	2	-	5	-
FW	ONC	HOV	Package & Practices of Kharif Onion	01	01	25	5	-	2	-	2	-	11	-
FW	ONC	HOV	Package & Practices of Garlic and Onion	01	02	25	5	-	3	-	2	-	15	-
RY	ONC	SFM	Fertilizer Application as per Soil Test Value	01	01	25	3	-	4	-	-	-	18	-
FW	ONC	SFM	Nutrient Management in Rabi Crops	01	01	25	2	-	3	-	-	-	20	-
FW	ONC	SFM	Enhancement of fertilizer use efficiency in field crops	01	01	25	2	-	2	-	-	-	21	-
FW	ONC	PLP	IPM module in soybean, Pigeon pea & Maize crop	01	02	25	2	-	3	-	2	-	18	-
FW	ONC	PLP	Plant protection in soybean & maize crop	01	01	25	1	-	4	-	3	-	17	-
FW	ONC	PLP	Management of sucking insect in onion & garlic	01	01	25	5	-	5	-	5	-	10	-
FW	ONC	PLP	Management of yellow mosaic in green gram	01	01	25	-	-	3	-	2	-	20	-
FW	ONC	LPM	Feeding Management in Animals	01	02	25	3	-	3	-	-	-	19	-
FW	ONC	LPM	Round the year green fodder production	01	02	25	5	-	-	-	-	-	20	-
RY	ONC	IFS	Integrated Farming System for small & marginal farmers	01	02	25	15	-	3	-	2	-	5	-

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
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	Integrated Nutrient Management in Kharif crop	01	02	25	3	-	4	-	-	-	18	-
RY	ONC	PLP	Calculation of pesticide dose & preparation of its solution	01	02	25	-	-	3	-	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	ICT in Agriculture Development	01	01	25	5	-	2	-	-	-	18	-
IS	ONC	CP	Conservation Agriculture Practices	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	CP	Weed Management in Vegetable Crops	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	CP	Production Technology of Pigeon pea, Soybean crop	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	CP	Production Technology of Maize & Paddy crop	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	CP	Production technology of Wheat & Chick pea crop	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	HOV	Kitchen Gardening for nutritional and Livelihood security	01	01	25	-	30	-	-	-	-	-	-
IS	ONC	HOV	Cropping System and Package of practices of Okra- Spinach- Onion	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	WOE	Nutritional garden	01	01	20	-	-	-	-	-	-	-	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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IS	ONC	WOE	Training on cultivation drumsticks and its nutritional products	01	01	20	-	-	-	-	-	-	-	20
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 in soybean, pigeon pea & maize	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	PLP	IPM module for the management of insect & diseases in chickpea	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	PLP	Plant protection issues in kharif crops	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	PLP	Plant protection issues in Rabi crops	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	CBD	Information Technology Application in Agriculture	01	01	20	-	-	-	-	-	-	20	-
IS	ONC	LPM	Round the year green fodder production	01	01	25	-	-	-	-	-	-	25	-
IS	ONC	LPM	Parasite Management in Animals	01	01	25	-	-	-	-	-	-	25	-
FT	OFF	CP	Production Technology of Pigeon pea & Soybean	01	01	25	-	-	20	-	-	-	5	-
FT	OFF	CP	Production Technology of Maize & Paddy crop	01	01	25	-	-	5	-	-	-	20	-
FT	OFF	CP	Integrated Weed Management in Soybean	01	01	25	-	-	-	-	-	-	25	-
FW	OFF	CP	Women friendly weeding equipment & their operation	01	01	25	-	5	-	-	-	-	-	20
FW	OFF	CP	Nutritional security through carotene rich drum wheat variety HI- 8713 (Pusa Mangal)	01	02	25	-	5	-	-	-	-	-	20
FT	OFF	CP	Production Technology Wheat & Chickpea	01	01	25	5	-	-	-	-	-	20	-
FT	OFF	CP	Weed Management in Wheat crop	01	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	
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
FT	OFF	CP	Production Technology of Green gram & Black gram	01	01	25	5	-	-	-	-	-	-	20	-
FW	OFF	HOV	Cropping System Okra- Spinach-Onion	01	01	30	10	-	2	-	1	-	17	-	
FW	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	
FW	OFF	HOF	Package & Practices of Tomato & Chilli (Hybrid)	02	01	50	10	-	5	-	2	-	33	-	
FW	OFF	HOF	Production Organic vegetables for better health	01	01	30	8	-	5	-	-	-	17	-	
FWT	OFF	SFM	Importance & use of Liquid Bio fertilizer in Field crops	01	01	25	-	2	-	-	-	-	-	23	
FW	OFF	SFM	Soil Fertilizer Management through composting	01	01	25	-	7	-	-	-	-	-	18	
FW	OFF	SFM	Importance of Soil Testing & collection of Soil sample	01	01	25	8	-	-	-	-	-	25	-	
FW	OFF	SFM	INM in Soybean –Wheat cropping System	01	01	25	3	-	-	-	-	-	22	-	
FW	OFF	SFM	Micro Nutrient Deficiency symptom & Management	01	01	25	2	-	-	-	-	-	23	-	
FW	OFF	PLP	Nursery management in vegetable crop	01	01	25	-	2	-	3	-	-	-	20	
FW	OFF	PLP	Plant protection in kharif vegetable	01	01	25	-	-	2	-	-	-	23	-	
FW	OFF	PLP	Importance & method of seed treatment	01	01	25	-	-	-	5	-	-	-	20	
FW	OFF	PLP	Importance & use of bio / botanical pesticide in vegetable crops	01	01	25	-	-	-	2	-	-	-	23	
FW	OFF	PLP	Management of gram pod borer in	01	01	25	-	-	3	-	-	-	22	-	

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
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
			chickpea											
FW	OFF	PLP	Management of store grain pest	01	01	25	-	-	-	5	-	-	-	20
FW	OFF	LPM	Feeding Management of Animals	01	02	25	-	-	-	-	-	-	25	-
FW	OFF	LPM	Calf Mortality Management	01	02	25	-	2	-	-	-	-	23	-
FW	OFF	LPM	Parasite Management in Animals	01	02	25	-	3	-	-	-	-	22	-
FW	OFF	LPM	Mastitis Management in Animals	01	02	25	-	-	-	-	-	-	25	-
FW	OFF	LPM	Back Yard Poultry	01	02	25	-	25	-	-	-	-	-	-
FW	OFF	LPM	Disease Management of Animals	01	02	25	-	-	-	-	-	-	25	-
FT	OFF	CBD	Pradhan Mantri Fasal Beema Yojna	01	01	25	5	-	-	-	-	-	20	-
FT	OFF	CBD	Soil Health Card Scheme	01	01	25	5	-	-	-	-	-	20	-
FW	OFF	CBD	Swachchhata	01	01	25	-	5	-	-	-	-	-	20
FT	OFF	WOE	Women & Child care	01	02	25	-	3	-	5	-	1	-	16
FT	OFF	WOE	Minimization of nutrient losses during processing	01	01	25	-	2	-	3	-	-	-	20
FT	OFF	WOE	Training on cultivation drumsticks and its nutritional products	01	02	25	-	3	-	5	-	2	-	15
FT	OFF	WOE	Nutritional Garden	01	02	25	-	2	-	4	-	-	-	19
FT	OFF	WOE	Value addition Aonla & Guava	01	02	25	-	3	-	2	-	1	-	19
RY	OFF	SFM	Organic farming	01	01	25	5	-	2	-	-	-	18	-
RY	OFF	WOE	Value addition & preservation of green mango & ripe mango	01	03	25	-	3	-	5	-	2	-	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
Seed production & marketing	Field crops	CRP	05	2	-	-	-	8	-
Establishment of High- tech Nursery	Vegetable crops	Income generation	05	3	-	2	-	5	-
Protected cultivation of high value crop	Vegetable crops	Income generation	05	4	-	2	-	9	-
Organic farming	Enterprises	SFM	05	2	-	1	-	7	-
Vermi composting	Enterprises	SFM	05	1	-	2	-	7	-

Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
				SC		ST		Others	
				M	F	M	F	M	F
Plant clinic	Enterprises – Plant clinic	PLP	05	2	-	1	-	7	-
Honey bee rearing	Enterprises – Honey bee	Income Generation	05	3	-	2	-	5	-
Dairy management	Enterprises – Dairy	LPM	06	1	-	-	-	9	-
Poultry farming	Enterprises – Poultry	LPM	06	-	10	-	-	-	-
Fruits & Vegetable processing & Preservation	Enterprises	Post harvest management	05	-	-	-	-	-	20
Soya product	Enterprises	Post harvest management	05	-	-	-	-	-	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 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/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 -Nil

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			
Field Day	26		760	70	110	20	15	15			
Kisan Mela	01		450	50	350	70	50	10			
Interface	02		-	-	-	-	56	04			
Kisan Ghosthi	04		70	35	25	25	08	-			
Exhibition	12		920	50	200	20	50	10			
Film Show	32		750	70	265	38	40	10			
Method Demonstrations	06		57	7	33	3	-	2			
Farmers Seminar	02		55	-	25	-	8	2			
Workshop	02		20	10	20	20	4	-			
Group meetings	06		62	23	23	7	-	-			
Lectures delivered as resource persons	36		995	90	215	70	60	6			
Newspaper coverage	100		Mass								
Radio talks	14		Mass								
TV talks	20		Mass								
Popular Articles	11		Mass								
Extension Literature	20		Mass								
Farm Advisory Services	20		20		10						
Scientific visit to farmers field	150		1800	150	450	100	0	0			
Farmers Visit to KVK	5000		3500	200	1000	100	180	20			
Diagnostic Visits	16		150	10	35	5	0	0			
Exposure Visits	02		30	5	15	5	0	0			
Ex-trainees Sammelan	04		80	-	20	-	-	-			
Soil Health Camp	01		37	-	13	-	-	-			
Animal Health Camp	04		120	-	40	-	-	-			
Soil Test Campaigns	01		46	-	4	-	-	-			
Celebration of important days	06		110	70	30	35	10	02			
Technological week	01		290	-	-	-	-	-			
Aeareness programme – Clean india Campaign, PMFBY, PMKSY & Parthenium eradication	04		750	35	150	25	30	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	Paddy	Pusa – 1121	SD	75	Qtl	3,00,000	500
	Wheat	HI- 8713	SD	175	Qtl	5,16,000	200
		HI-8737	SD	75	Qtl	2,25,00	150
		HI-1544	SD	14	Qtl	35,000	50
		DBW-110	SD	70	Qtl	2,10,000	125
Pulses	Black gram	Uttara	SD	5	Qtl	50,000	60
	Green gram	IPM-410-3	SD	3	Qtl	30,000	50
	Pigeon pea	TJT- 401	SD	2	Qtl	20,000	100
	Chickpea	RVG-202	SD	30	Qtl	2,10,000	100
Oilseed	Soybean	RVS-2001-4	SD	18	Qtl	1,17,000	25
		JS-2034	SD	4	Qtl	26,000	10
Vegetable	Onion	NHRDF Red -03	T/L (SD)	50	Kg.	50000.00	75
Spice	Garlic	G-282	T/L (SD)	30	Qtl	180000.00	60
	Ginger	Shurabhi & Suprabha	T/L (SD)	05	Qtl	15000.00	10
	Turmeric	Pratima	T/L (SD)	05	Qtl	25000.00	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	50000	-
	Papaya	15-25 May	15 July	-	Vinayak Hybrid	Seedlings	2000	15000	40000	-
	Guava	Gooti (July)	Sept.	-	Lalit	Seedlings	500	10000	25000	-
					Shweta	Seedlings	500	10000	25000	-
	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	-

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	
	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.,)

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Sehore	Vermi Compost	80 ton			
Sehore	NADEP Compost	16 ton			
Sehore	Vermi wash	200 liter			

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	15 No	361810	-	- 7 No of heifers to be purchase - Approximate value of heifers after one year – Rs 375000
		Cow dung	70.5 Ton		98550	
Others (Specify)	Rohu & Catla	Finger lings	6 Lakh	197600	300000	-

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 :

Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Soil Sample	500	1500	100	-	-
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)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Sehore	48	30000	400	

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Sehore	18 May, 2017	30	
Sehore	22 September, 2017	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	DSR Machine	02
Sehore	CD	Backyard Poultry	02
Sehore	CD	Integrated Nutrient Management in Garlic crop	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	07	September, 2017	Integrated weed management in wheat under Paddy Wheat Cropping System	Mr. Ajit Kripal Sahu	-
		Dec., 2017	Balance feeding with azolla	Dr S.C. Kantwa	-

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., 2017	Buffalo calf management	Mr. Sandeep Todwal	-
		July, 2017	INM in soybean		-
		Nov, 2017	Nutrient management & effect of ZnSo4 in wheat crop		-
		Dec., 2017	Dairy management	Dr S.C. Kantwa	-
		May, 2017	Vermi composting	Mr. Sandeep Todwal	-
T Technical reports	05	Oct., 2017	Cluster demonstration of soybean	Sri J. K. Kanaujia	05
		March, 2018	Cluster demonstration of chickpea		05
		March, 2018	Cluster Demo. TSP & NFSM Programme		05
		May, 2017	Assessment for social media for dissemination of agriculture technologies	Mr S. Chouhan	10
Popular article	09	June, 20 17	Profitability of Zero tillage Seed cum fertilizer drill machine in wheat under Paddy wheat cropping system	Mr. Ajit Kripal Sahu	-
		Oct. 2017	Weed management in Vegetable Crops		-
		May, 2017	Role of information technologies in agriculture	Mr S Chouhan	-
		July, 2017	Nursery management in tomato	Sri J. K. Kanaujia	-
		July, 2017	Management of leaf curl disease in tomato		-
		June, 2017	Back yard poultry	Dr. S. C. Kantwa	-
		November, 2017	Disease management of animals		-
		January, 2018	Goat rearing techniques		-
		February, 2018	INM in Soybean- Wheat cropping system	Mr. Sandeep Todwal	-
News paper coverage	100	Regular	-	All Scientists	-
Year Planner	01	May, 2017	Annual planning of KVK activities	Sri. J. K. Kanaunia &	50

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
				Mr S. Chouhan	
Case study	03	Dec. 2017	KVK Intervention in Tribal area a case study	Sri J. K. Kanaujia	-
		Oct. 2017	Azolla	Dr. S. C. Kantwa	-
		July, 2017	Adoption of Vermi Composting	Mr. Sandeep Todwal	-
Success story	07	Oct, 2017	Zero Till Seed cum Ferti drill Machine	Mr. Ajit Kripal Sahu	-
		Oct, 2017	Maize farming for livelihood		-
		August, 2017	Backyard Poultry	Dr. S. C. Kantwa	-
		Nov. 2017	Vermi Composting	Mr. Sandeep Todwal	-
		Feb/ 2018	Plastic Mulch	Sri J. K. Kanaujia	
		August- 2017	Plug Tray		
		November- 2017	Kitchen Gardening		
Impact Assessment	01	June, & Oct. 2017	Impact of KVK Activities among the Adopted Village Rola & Bafapur	Mr. Sandeep Chouhan	-
PRA	01	April, 2017	A Study of Village Sankota, Block-Nas, ganj, Sehore	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	Block – Sehore, Ichhawar & Asta	
Sehore	NHM	Department of Horticulture		Capacity Building	District	
Sehore	TSP	IIPR , Kanpur (U.P.)		Demonstrations	Block – Nas. Ganj	
Sehore	WDRA	WDRA, New Delhi		Capacity Building & Awareness	District Level	

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): 40 Bed

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)
Sehore							

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 Component of Park	Detail Information (If established)
Crop Cafeteria	Area 0.5 ha, Displayed seasonal crop varieties, technologies like IPM, INM, IWM, SRI etc, collection of fruit varieties etc.
Technology Desk	Not available
Visitors Gallery	Established in administrative building where displayed latest technologies photographs of various activities, literature, poster live sample etc
Technology Exhibition	A set of technology exhibition to be maintain by the KVK
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	06
	➤ Pigeon pea	06
	➤ Maize	01
	➤ Green Gram	03
	➤ Black gram	02
	➤ Paddy	05
2	Technologies demonstrated - BBF, IPM, INM, Intercropping for rainfed areas as well as irrigated condition, SRI method of paddy	

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria (No of activity)
	cultivation ect.	
3	Vegetable (Hybrid)	
	Cow pea	01
	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	13
	➤ Wheat	18
	➤ Linseed	02
	➤ Lentil	01
	➤ Mustard	
	➤ Safflower	01
2	Technologies demonstrated - INM, IPM, Seed treatment of chickpea through Ammonium molibdate, Intercropping (Chickpea + Linseed)	04
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	
	➤ 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 	1.5 lakh
	(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 	0.5 lakh
	(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 	5.0 lakh
	(v) Horticulture	- -	small- 0.4 ha	5.0 lakh
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. 	<ul style="list-style-type: none"> Required display material for further improvement 1) electronic display screen 	1.0 lakh
4.	Technology Exhibition	<ul style="list-style-type: none"> - Latest farm tools & implements. - Production of organic inputs. 	<ul style="list-style-type: none"> - Further improvement - 2.0 - Further improvement- 0.5 	

SN	Name of component	present status	proposed plan during XII plan	Remark
		<ul style="list-style-type: none"> - Watershed management - Agro metrology observatory 	<ul style="list-style-type: none"> - 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. - Vermi compost. - Planting material for fodder. - CD's of technology - K.V.K. literature. - News letter. 	Further improvement are required to provide technological inputs through KVK gate valve. It will require Rs.25000.00 Annam.	1.25

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	Sehore	Mr. Gajraj Verma	Use of Bio Pesticide	Village – Kulans, Block- Sehore, Distt- Sehore (M.P.), Mo. No. - 9826075892
2	Sehore	Mr. Manoj Patel	Production of Flowers round the year	Village- Bachgon, Block – Nasrullaganj, Distt- Sehore (M.P.) Mo. No. 9770745006
3	Sehore	Mr Tarun Yadav	Design Power sprayer	Village – Matthagaon, Block – Budani, District – Sehore (M.P.) Mo No - 9098099678
4	Sehore	Mr. Indar Singh Parmar	Locally made yellow sticky trap	Village- Kilerama, Block –Asta, District- Sehore (M.P.) Mo. No. – 9977210451
5	Sehore	Mr. Dinesh Parmar	Conservation agriculture	Village- Kilerama, Block –Asta, District- Sehore (M.P.) Mo. No. – 9977730891
6	Sehore	Mr. Kamal Verma	Introduce new cash cropKalounji	Village- Khamkheda, Block- Asta, District- Sehore (M.P.) Mo. No. –

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
				9826444562
7	Sehore	Sri- Kanhaiyalal	Use of botanical pesticide	Vill. – Amajhir, Block – sehore, Distt- Sehore (M.P.), Mo. No. 9770061007
8	Sehore	Mr. Dev Karan Verma	Vermi wash as a plant growth promoter	Village- Bafapur, Post- Mugali, Block- Asta, District- Sehore , Mo. No. - 9229949492
9	Sehore	Mr Shailendra Verma	Low cost Dairy Technology	Village – Lasudia Kangae, Block- Ichhawar, District – Sehore (M.P.) Mo.No – 9203159057
10	Sehore	Sri Rajkumar Rathore	Pigeon pea variety – Richa 2000	Vill. – Jamonia tank, Block – Sehore, Distt- Sehore (M.P.) Mo. No. – 9406528391

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	22-08-2017	50
2	23-01-2018	50

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Sehore	05	05	16	925

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	Chickpea	20.0 ha	05 No	

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

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	810

24. Status of RTI – Nil

25. E-CONNECTIVITY (ERNET Lab) - NA

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Exposure Visit	02	40	Latest Farm Machineries visits
Extraineer Meet	01	30	Interacted to Farmer for feedback of Technology
Farmer & Farm Women Training	01	30	Farm Women Training
Field Day	03	120	INM in Soybean, Maize, Vegetable crops
Kisan Sangoshthi	01	40	Production of Kharif Crop
Interface	01	40	Production Technology of Kharif Crops
Clean India Awareness Programme	01	50	Sanitation & Cleaning
Total number of farmers visited the technology week	10	380	-

27. INTERVENTIONS ON DROUGHT MITIGATION - NA

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	210926.51		

31. Awards & Recognitions

Name of award /awardees	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Mahindra Samradhi Awards	Farmer		
Pandit Deen Dayal Upadhyay Antyodaya Krishi Purshkar Awards	Farmer		
Atal Rashtriya Krishi Vigyan Protshahan Purskar (National/Zonal) Awards	Institutional		

32. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Sehore	8	2