

# ANNUAL ACTION PLAN

2016-17



**KRISHI VIGYAN KENDRA,  
TIKAMGARH (M.P.)**



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## PERIOD – April 2016 to March, 2017

### Summary of the activities

KVK Name	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	16	192			
	FLDs – Oilseeds (activity in ha)	10	24			
	FLDs – Pulses (activity in ha)	10	24			
	FLDs – Cotton (activity in ha)	-	-			
	FLDs – Other than Oilseed and pulse crops(activity in ha)	8	96			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	8	96			
	Training-Farmers and farm women	60	1580			
	Training-Rural youths	4	100			
	Training- Extension functionaries	4	100			
	Extension Activities	150	Mass			
	Seed Production (Number of activity as seeds in quintal)	50	150			
	Planting material ((Number of activity as quantity of planting material in quintal)	-	-			
	Seedling Production (Number of activity as number of seedlings in numbers)	10000	250			
	Sapling Production (Number of activity as number of sapling in numbers)	100	10			
	Other Bio- products (No. of quantity)	-	-			
	Live stock products	-	-			
	Activities of Soil and Water Testing Laboratory	1500	1200			
	Rainwater Harvesting System	-	-			
	Kisan Mobile Advisory (KVK-KMA)	36	25900			
	SAC Meeting (Date & no. of core/ official members)	2	50			
	Literature to be Developed/Published	20	mass			
	Convergence programmes / Sponsored programmes	10	250			
	Utilization of Farmers Hostel	20	350			

KVK Name	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	6	6			
	Details of KVK Agro-technological Park	10	300			
	Crop Cafeteria-	15	2000			
	Farm Innovators- list of 10 farm innovators from the District	10	10			
	Status of Revolving Funds	-	-			
	Awards and Recognitions	1	1			
	Case study / Success Story to be developed	2	1000			
	KVK Progressive Farmers interaction	5	150			
	Outreach of KVK in the District (No. of blocks, no. of villages)	06(653)	26120			
	Technology Demonstration under Tribal Sub Plan	0	0			
	KVK Ring	3	mass			
	Important visitors to KVK	5	10			
	Status of KVK Website	1	mass			
	Status of RTI	0	0			
	E-connectivity	1	mass			
	Details of Technology Week Celebrations	1	250			
	Interventions on Drought Mitigation	4	50			
	Proposal of NAIP	0	0			
	Proposal of NICRA	3	300			
	Well labeled photographs	40	2000			
	Other Activities	5	550			

## 1. GENERAL INFORMATION

### 1.1. Staff Position (05<sup>th</sup> May 2016)

Name of KVK.	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)
Tikamgarh	Programme Coordinator	Vacant	-	-	-	-	-	-	-	-
	Subject Matter Specialist	Sh.B.L.Sahu	Home Science	M.Sc.(Ag)	Food Science & Technology	15600-39100	21390	25.01.2007	Temp	OBC
Tikamgarh	Subject Matter Specialist	Dr.R.K.Prajapati	Plant Protection	P.h.D.	Plant Pathology	15600-39100	24690	01.02.2007	Temp	Gen
Tikamgarh	Subject Matter Specialist	Dr.S.K. Khare	LPM	M.V.Sc	Animal Nutrition	15600-39100	23790	05.02.2007	Temp	Gen
Tikamgarh	Subject Matter Specialist	Dr. S.K. Singh	Horticulture	P.h.D	Vegetable science	15600-39100	21390	-	-	-
Tikamgarh	Subject Matter Specialist	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Programme Assistant	Vacant	Agronomy	-	-	-	-	-	-	-
Tikamgarh	Farm Manager	-	-	-	-	-	-	-	-	-
Tikamgarh	Computer Programmer	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Accountant / superintendent	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Stenographer	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Driver	Sh. B.K.Litoriya	-	HSC	-	5200-20200	7460	10.07.2008	Temp	Gen
Tikamgarh	Driver	Sh. M.L.Chadar	-	HSC	-	5200-20200	7460	10.07.2008	Temp	SC
Tikamgarh	Supporting staff	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Supporting staff	Vacant	-	-	-	-	-	-	-	-

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

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Tikamgarh	Bundelkhand Zone ( VIII – Zone )	06	675	1444920	61.43		173134	

#### 1.2.1. Description of Agro-climatic Zone & major agro ecological situations

S. No	Agro-climatic Zone	Characteristics
1	Name	Bundelkhand Zone ( VIII – Zone )
2	District covered	Tikamgarh, Chhatarpur, Datia, part of Shivpuri and Guna
3	Topography	0-5% slope with small hillocks
4	Physiography	266 m to 560 m above MSL
5	Annual Rainfall (mm)	1001.1 mm
6	Temperature (Minimum)	4.50 °C (Dec), 30.1 °C (May)
7	Temperature (Maximum)	21.75 °C (Dec), 43.50 °C (May)

S. No	Agro-ecological situation	Characteristics
AES 1	Undulating topography with red soil (Ranker)	Eroded land, less ground water, very low soil depth, poor irrigation potential, crop production + Animal Husbandry + Horticulture. <b>Major Crops</b> – groundnut, black gram, soybean, wheat, pea, mustard, ginger, turmeric, colocasia, papaya and guava
AES 2	Plain to undulating black soil (Kabar / Mar)	Deep to shallow depth, sufficient ground water for irrigation potential for dug well and tube well, crop production + Animal Husbandry + Horticulture. <b>Major Crops</b> – gram, black gram, soybean, wheat, mustard, coriander, mango, citrus, brinjal, tomato and onion
AES 3	Plain to undulating sandy loam (Padua)	Mostly sandy and sandy clay loam, good to poor ground water, topography generally varies from plain to undulating condition. <b>Major Crops</b> – soybean, black gram, sesame, wheat, mustard, brinjal, tomato, onion, coriander, mango, guava and citrus.

### 1. 2.2. Soil Types:

S. No	Soil type	Characteristics	Area (ha in lac)
1	Padua (Medium Soils)	Soil are light gray in colour, well drained, better suited of all types of crops under irrigated conditions which covered two orders, vertisols and inceptions	0.91 (36%)
2	Kabar/Mar (Heavy Soils)	The soil are black in colour, posses high moisture holding capacity and have integrated of Mont morrilonite, illite and chloride minerals which covered under the order of vertisols.	0.51 (20%)
3	Ranker (Light Soils)	The soils are generally red in colour and very light in textures. These soils are highly deficient in nutrients with very low moisture retaining capacity which covered under order entisols and inseptisols	1.11 (44%)

### 1.2.3. Area, Production and Productivity of major crops cultivated in the district (2015-16)

KHARIF CROPS				
S. No	Crop	Area( 000, ha)	Production (000, tones)	Productivity (kg/ha)
1	Paddy	13.20	11.18	947
2	Sorghum	1.00	1.50	1150
3	Maize	2.40	3.18	1325
4	Black gram	84.50	60.07	711
5	Moong	4.00	1.76	442
6	Groundnut	20.00	22.28	1114
7	Sesame	25.70	10.67	416
8	Soybean	55.70	52.41	941
RABI CROPS				
S. No	Crop	Area( 000, ha)	Production (000, tones)	Productivity (t/ha)
1	Wheat	145.00	391.50	2700
2	Barley	10.00	18.00	1800
3	Gram	35.00	35.00	1000
4	Pea	12.00	10.92	910
5	Lentil	6.00	2.40	400
6	Mustard	35.00	22.70	650
S. No	Crop	Area( 000, ha)	Production (000, tones)	Productivity (t/ha)
1	Guava	0.276	9.984	39
2	Custard apple	0.005	0.025	05
3	Mango	0.187	1.521	09
4	Lime	0.093	1.305	15
5	Papaya	0.031	1.800	75
S. No	Crop	Area( 000, ha)	Production (000, tones)	Productivity (t/ha)
1	Garden pea	6.375	38.250	6.0
2	Potato	2.532	37.980	15.0
3	Tomato	1.766	26.490	15.0
4	Colocasia	1.319	14.509	11.0
5	Brinjal	1.566	34.452	20.0
6	Onion	0.917	19.257	21.0
7	Okra	0.950	16.150	17.0
S. No	Crop	Area( 000, ha)	Production (000, tones)	Productivity (t/ha)
1	Ginger	3.961	55.454	14.0
2	Chilli	6.242	31.210	5
3	Coriander	1.554	1.398	0.90
4	Turmeric	0.673	8.076	12.0
5	Garlic	0.581	0.2905	0.50

### 1.2.4. Production and productivity of livestock, Poultry, Fisheries etc. in the district (2015-16)

Category	Population	Production (mt)	Productivity
<b>CATTLE</b>			
Cow	364447	55.40	1.52 lit/animal/day
Buffaloes	231919	63.31	2.73 lit/animal/day
<b>SHEEP &amp; GOAT</b>			
Sheep	42048	-	-
Goat	219237	-	-
<b>POULTRY</b>			
Broiler	24740	6.45	2.61/year
Poultry (Hen)	100010	580	58-/year

### 1.2.5. Weather Data Rainfall (2015-16)

Month	Rainfall mm
Apr-2015	15.6
May-2015	00
Jun-2015	57.3
Jul-2015	226.3
Aug-2015	169.6
Sep-2015	24.6
Oct-2015	8.4
Nov-2015	0
Dec-2015	1.3
Jan-2016	8.3
Feb-2016	0.9
Mar-2016	9.6
Average	251.9

### 1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2016 to 31.3.2017 (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)
Tikamgarh	Mazghaua	2012-13	Baldevgarh	21 Km	1008	530
Tikamgarh	Baisa	2012-13	Baldevgarh	21 Km	736	235
Tikamgarh	Karmasa Ghat	2012-13	Baldevgarh	20 Km	837	337
Tikamgarh	Kanti	2010-11	Tikamgarh	15 Km	950	155
Tikamgarh	Bhopalpura	2010-11	Prathvipur	60 Km	1,100	246
Tikamgarh	Hasgora	2014-15	Jatara	20Km	708	615
Tikamgarh	Gour	2015-16	Jatara	25Km	2300	1800
Tikamgarh	Babakheda	2015-16	Jatara	22Km	809	610
Tikamgarh	Hazoori nagar	2016-17	Tikamgarh	15Km	1500	1260
Tikamgarh	Shivrajpur	2016-17	Jatara	20Km	660	515

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

KVK Name	THRUST AREA
Tikamgarh	<b>Soybean</b> - (i) Imbalance dose of fertilizers (ii) Insect Pest incidence (iii) Weed infestation
Tikamgarh	<b>Wheat</b> - (i) Balance dose of fertilizers (ii) Weed management (iii) Water management (iv) Termite management
Tikamgarh	<b>Black gram</b> - Integrated disease management
Tikamgarh	<b>Gram</b> - Integrated pest management
Tikamgarh	<b>Jowar</b> - Introduction of High Yielding varieties
Tikamgarh	<b>Paddy</b> - (i) Replacement of old varieties (ii) Integrated nutrient management (iii) Integrated weed management (iv) Water management
Tikamgarh	<b>Mustard</b> - (i) Integrated nutrient management (ii) Integrated pest management
Tikamgarh	<b>Sesame</b> - (i) Replacement of old varieties and enhancement of seed replacement rate
Tikamgarh	<b>Ginger</b> - (i) Seed replacement (ii) Integrated disease management
Tikamgarh	<b>Chilli</b> - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	<b>Potato</b> - (i) Integrated nutrient management (ii) Integrated pest management (iii) Integrated disease management
Tikamgarh	<b>Tomato</b> - (i) Disease management (ii) Introduction of hybrid seeds (iii) Nursery management
Tikamgarh	<b>Ber</b> - Local varieties, top working and value addition
Tikamgarh	<b>Papaya, Mango and Guava</b> - (i) Value addition (ii) Introduction of New Varieties (iii) Nursery management
Tikamgarh	<b>Live Stock</b> - (i) Disease management (ii) Green Fodder (iii) Breed improvement (iv) Poultry management (v) Goatory management
Tikamgarh	<b>Women in Agriculture</b> – (i) Drudgery (ii) Mal nutrition (iii) Income generation (iv) Value addition
Tikamgarh	<b>Agricultural Engineering</b> – (i) Broad casting (ii) Lack of farm machinery
Tikamgarh	<b>Natural resource management</b> – (i) Unawareness about vermin compost (ii) FYM preparation (iii) Lack of soil & water conservation practices

#### 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
Tikamgarh	Low yield of crops	PRA, Survey, joint workshop	All blocks & adopted villages
Tikamgarh	Unavailability of quality seeds/varieties	Survey, SAC meeting	All blocks & adopted villages
Tikamgarh	Indiscriminate use of pesticides	Survey, Interaction with farmers	All blocks & adopted villages
Tikamgarh	Imbalance use of fertilizers	Survey, Low consumption of fertilizers, farmers interaction	All blocks & adopted villages
Tikamgarh	Low yield of vegetables	PRA, Survey, Joint workshop	All blocks & adopted villages
Tikamgarh	Low yield of fruits crops	Farmers meeting, PRA, Meeting with horticultural officials	All blocks & adopted villages
Tikamgarh	Low yield of spices	Group discussion	All blocks & adopted villages
Tikamgarh	Nutritional insecurity ,Low income and high drudgery of farm women	Aganwadi, SAC meeting	All blocks & adopted villages
Tikamgarh	Low income due to lack of value addition	Market survey	All blocks & adopted villages
Tikamgarh	Low soil fertility	Soil campaign and sample testing report	All blocks & adopted villages
Tikamgarh	Low milk production due to non-descriptive animals	Animal Heath camp, Farmers discussion with farmers, Joint workshop with allied Deptt.	All blocks & adopted villages



## 2. On Farm Testing

### 2.1 Information about OFT to be conducted

KVK name	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
Tikamgarh	Kharif 2016	Low yield (30%) of soybean due to excessive moisture/stress during cropping period	Refinement	CPM	Soybean	Rainfed	5 ha	12	Assessment of different sowing method with short duration varieties in soybean for water budgeting				
Tikamgarh	Kharif 2016	low income of farm women due to no stacking in tomato production.	Assessment	WOE	Enterprise	-	12 Farm Women	12	Assessment of stacking technique in tomato production by farm women				
Tikamgarh	Kharif 2016	High drudgery in weeding operation in soybean production by far women.	Assessment	WOE	Enterprise	-	12 Farm Women	12	Assessment of drudgery reduction in farm women engaged in weeding operation in soybean production of farm women				
Tikamgarh	Kharif 2016	Yield reduction (31%) due to heavy incidence of YMV (affected area 54%)	Refinement	PLP	Black gram	Rainfed	5 ha	12	Assessment of black gram varieties with ridge bed planting				
Tikamgarh	Kharif 2016	Yield reduction (37%) due to heavy incidence of soft rot in ginger (affected area (52%))	Refinement	PLP	Ginger	Sandy loam - Irrigated	2 ha	12	Assessment of integrated management of soft rot in ginger				
Tikamgarh	Kharif 2016	Heat stress lead to low performance of animals (40%)	Assessment	LPM	Dairying	-	-	12	Assessment of vit- E and selenium on amelioration of negative effect of heat stress in buffaloes	Feed intake			
										Rectal temperature			
										Respiration			
										Milk yield			
Tikamgarh	Kharif 2016	Green fodder availability	Assessment	LPM	Dairying	irrigated	0.5	12	Assessment of feeding Napier bajra on milk yield in buffaloes	Milk yield			
Tikamgarh	Kharif 2016	Low yield & poor quality of rainy season Guava	Assessment	ICM	Guava	Irrigated	2.0 ha	12	Assessment of 10% Foliar spray of urea for crop regulation in Guava				
Tikamgarh	Kharif 2016	Yield losses in Okra due to improper nutrition.	Assessment	ICM	Okra	Irrigated	1.0 ha	12	Assessment of Foliar application of WSF 19:19:19 in Okra.				
Tikamgarh	Rabi 2016-17	low income of farm women due to no value addition in Aonla	Assessment	WOE	Enterprise	-	12 Farm Family	12	Assessment of value addition in Aonla for income generation of farm women				
Tikamgarh	Rabi 2016-17	Malnutrition in farm women due to lack of enrichment of antioxidant	Assessment	WOE	Enterprise	-	12 Farm Family	12	Assessment of reduction in malnutrition of farm women through incorporation of drumstick product in human diet				
Tikamgarh	Rabi 2016-17	Low yield due to local variety (Khazoa), use of imbalance of pesticides, heavy	Refinement	PLP	Chickpea	Rainfed	5 ha	12	Assessment of IPM in chickpea for management of wilt and pod borer				

		infestation of insect pest and incidence of wilt											
Tikamgarh	Rabi 2016-17	Low yield (30%) due to inadequate dose of fertilizers with Lok-1 under irrigated late sown condition	Refinement	CPM	Wheat	Irrigated	5ha	12	Assessment of nutrient management in wheat under late sowing condition				
Tikamgarh	Rabi 2016-17	Mineral deficiencies	Assessment	LPM	Dairying	-	-	12	Assessment of UMMB feeding on milk yield in the buffaloes	Milk yield			
Tikamgarh	Rabi 2016-17	Conservation of green fodder	Assessment	LPM	Dairying	-	-	05	Assessment of Silage feeding on milk yield in lactating buffaloes	Feed intake Milk yield			
Tikamgarh	Rabi 2016-17	Low yield of Cauliflower with dull curd color.	Assessment	ICM	Cauliflower	Irrigated	1.0 ha	12	Assessment of Boron application in Cauliflower.				
Tikamgarh	Rabi 2016-17	Crop each heavily infested due to weeds with special reference to <i>chenopodium</i> during early crop growth and reduces yield by 30%.	Assessment	IWM	Pea	Irrigated	1.0 ha	12	Assessment of Pendimethalin 38.7% (Stamp Extra) for weed management in Pea.				

### 2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel
Assessment of stacking technique in tomato production by farm women		
Assessment of drudgery reduction in farm women engaged in weeding operation in soybean production of farm women		
Assessment of value addition in Aonla for income generation of farm women		
Assessment of reduction in malnutrition of farm women through incorporation of drumstick product in human diet		
Assessment of black gram varieties with ridge bed planting		
Assessment of integrated management of soft rot in ginger		
Assessment of IPM in chickpea for management of wilt and pod borer		
Assessment of different sowing method with short duration varieties in soybean for water budgeting		
Assessment of nutrient management in wheat under late sowing condition		
Assessment of vit- E and selenium on amelioration of negative effect of heat stress in buffaloes		
Assessment of Silage feeding on milk yield in lactating buffaloes		
Assessment of UMMB feeding on milk yield in the buffaloes		
Assessment of feeding Napier bajra on milk yield in buffaloes		
Assessment of 10% Foliar spray of urea for crop regulation in Guava		
Assessment of Foliar application of WSF 19:19:19 in Okra.		
Assessment of Boron application in Cauliflower.		
Assessment of Pendimethalin 38.7% (Stamp Extra) for weed management in Pea.		

## 2.2 Economic Performance

KVK name	OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	RP (T <sub>3</sub> )
Tikamgarh	Assessment of different sowing method with short duration varieties in soybean for water budgeting	No. of pods/plant											
		Soil moisture (%) at harvesting stage											
		Rain water use efficiency(Kg/mm)											
		Yield (q/ha)											
Tikamgarh	Assessment of stacking technique in tomato production by farm women	Yield (Kg/plot)											
Tikamgarh	Assessment of drudgery reduction in farm women engaged in weeding operation in soybean production of farm women	Losses (%)											
		(%)Yield increase											
		Hart rate (beats/min).											
		Outcome (area/hr.)											
		Time spent (hr./unit area)											
Tikamgarh	Assessment of value addition in Aonla for income generation of farm women	Reduction in drudgery (%)											
		Efficiency increases (%)											
		Output (Kg)											
Tikamgarh	Assessment of reduction in malnutrition of farm women through incorporation of drumstick product in human diet	Cost of product (Rs/Kg)											
		Income increases (%)											
		Body weight (Kg)											
Tikamgarh	Assessment of black gram varieties with ridge bed planting	Malnutrition decreases (%)											
		Increases efficiency (%)											
		Disease incidence (%)											
		No. of pods/plant											
Tikamgarh	Assessment of integrated management of soft rot in ginger	Soil moisture (%) at harvesting stage											
		Rain water use efficiency(Kg/mm)											
		Yield (q/ha)											
		Disease incidence(%)											
Tikamgarh	Assessment of IPM in chickpea for management of wilt and pod borer	No. of rhizome/plant , ,											
		weight of rhizome /plant											
		Yield (q/ha)											
		Insect infestation (%)											
Tikamgarh	Assessment of nutrient management in wheat under late sowing condition	Disease incidence (%)											
		No. of pods/plant											
		Yield (q/ha)											
		Test weight of grain (g)											
Tikamgarh	Assessment of 10% Foliar spray of urea for crop regulation in Guava	No. of grains/ear											
		Yield (q/ha)											
		No. of fruit / plant											
Tikamgarh	Assessment of Foliar application of WSF 19:19:19 in Okra.	Yield (Kg/Tree)											
		No. of fruit / plant											
Tikamgarh	Assessment of Boron application in Cauliflower.	Yield (Kg/Tree)											
		No. of fruit / plant											
Tikamgarh	Assessment of Pendimethalin 38.7% (Stamp Extra) for weed management in Pea.	Curd color											
		Yield (Kg/ha)											
		No. of pod /plant											
Tikamgarh		Yield (Kg/ha)											
		Weed population/sq.mt											

## 3. Frontline Demonstrations

### 3.1. Follow-up for results of FLDs implemented during previous years (upto 2015-16)

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Tikamgarh	Soybean	CPM	Kharif 2015	Variety-JS 95 60+ BBF method of sowing + 20:60:20:30 NPKS kg/ha+ Rhizo+ PSB each@ 200 g/10 kg of seed +Pheromone traps @10/ha+ bird perchers@50/ha in over all field + deep summer ploughing + spraying of Trizophos 25 EC @ 800 ml/ha after 40-DAS	185	6088	6000
Tikamgarh	Black gram	CPM	Kharif 2015	IPU-94-1 + 30 cm X 10 cm spacing, Seed treatment - Thirum @ 3 g / kg + 20:40:20:15:25 kg/ha NPKSZn + Rhizo @ 200 / 10 kg seed + Stomp 0.5 kg ai/ha, 1 H W at 35 DAS + Spray of Metasystox @ 0.03%	283	8735	75000
Tikamgarh	WOE	Enterprise	Kharif -Rabi 2015-16	Demonstration on Planned round the year availability of vegetabels and fruits for farm family	16	83	20
Tikamgarh	chilli	Varietal Replacement	Kharif 2015	Demonstration on varietal replacement in Chilly variety- US 515	2	12	1.0
Tikamgarh	Brinjal	Varietal Replacement	Kharif 2015	Demonstration on varietal replacement in brinjal variety- Utkal	2	12	1.0
Tikamgarh	Chickpea	CPM	Rabi 2015-16	JG -16, Seed treatment by <i>Tricoderma viride</i> @ 5g/kg seed +vitavax @ 2.5 g/kg of seed + deep ploughing + Pheromone trap @10/ha + bird percher @ 50 / ha + spray of quinalphos @ 1.5 lit/ha of water	118	3632	3500
Tikamgarh	Mustard	CPM	Rabi 2015-16	Improved seed of variety :Rohani, RDF (NPKS 80:40:20:30 kg/ha) + PSB @ 20g/kg seed, + Azoto @ 10g/kg seed + SMI Technique + Removal of affected twings + 1 spray of Imidachloroprid @ 5 ml/ 15 lit. of water.	382	9658	8423
Tikamgarh	Chilli	Varietal Replacement	Rabi 2015-16	Demonstration on varietal replacement in Chilly variety- Ujala	2	12	1.0
Tikamgarh	Tomato	Varietal Replacement	Rabi 2015-16	Demonstration on varietal replacement in Cabbage variety- NS 815	2	12	1.0
Tikamgarh	WOE	Enterprise	Rabi 2015-16	Demonstration on hybrid vegetables production for income generation of farm women.	8	68	28

3.2 Details of FLDs to be implemented during 2016-17

KVK Name	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					
							Demons	Check		SC	ST	OBC	Others	Total	
Tikamgarh	WOE	Enterprise	Kharif &Rabi- 2016-17	Plan round the year availability of vegetable & fruits in the garden	0.30 ha	Nutritional garden.									
Tikamgarh	WOE	Enterprises	Kharif 2016	Preparation of Vermin-compost through biogas for income generation of farm women.	12	Vermin-compost									
Tikamgarh	PLP	Colocasia	Kharif 2016	2 Summer deep ploughing + Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit	2ha	Narednra Colocasia-1									
Tikamgarh	PLP	Brinjal	Kharif 2016	Pant Rituraj+Nipping of infested twings, spraying of Dimethoate 30 EC @2 ml/litre of water at 15 days interval	2ha	Pant Rituraj									
Tikamgarh	LPM	Dairying	Kharif 2016	Demonstration of green fodder (Sorghum) to lactating buffaloes.	12	MP-Chari									
Tikamgarh	LPM	Dairying	Kharif 2016	Demonstration of white wash and use of lime stone powder in shed of buffaloes to prevent disease incidence.	12	-									
Tikamgarh	Varietal Replacement	Bottle gourd	Kharif 2016	Demonstration of high yielding variety Narendra shivani	1.0 ha	Narendra shivani									
Tikamgarh	Varietal Replacement	Cow pea	Kharif 2016	Demonstration of high yielding variety CP-4	1.0 ha	CP-4									
Tikamgarh	WOE	Enterprises	Rabi-2016-17	Use of improve variety of marigold – pusha narangi	1.2 ha	Marigold cultivation									
Tikamgarh	WOE	Enterprises	Rabi 2016-17	Value addition in ber through preparation of ber sharbat	12	Value addition									
Tikamgarh	PLP	onion	Rabi 2016-17	Variety-N-53+spray of dimethioate @ 3ml/liter of water at 15 days interval + Spray Neem seed powder extract (4%) or Neem soap (1%) 4-5 times at 10 days interval	2ha	N-53									
Tikamgarh	PLP	Okra	Rabi 2016-17	YMV resistant variety Nirmal-33 ( Hy.)+spraying of Dimethoate 30 EC @2 ml/ liter of water at 15 days interval	2ha	Nirmal-33									
Tikamgarh	LPM	Dairying	Rabi2016-17	Demonstration of Azolla feeding to lactating buffaloes	12	Azolla									
Tikamgarh	LPM	Goatry	Rabi2016-17	Demonstration of feeding concentrate mixture to goat	12	-									

Tikamgarh	ICM	Mango	Rabi 2016-17	Demonstration of NAA (Planofix) to prevent fruit drop in Mango.	1.0 ha									
Tikamgarh	Varietal Replacement	Pea	Rabi 2016-17	Demonstration on varietal replacement in Pea Variety Kasi udai.	1.0 ha	Kasi Udai								

### 3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check
Tikamgarh	Dairying	Demonstration of green fodder (Sorghum) to lactating buffaloes.	Milk yield Feed intake										
Tikamgarh	Dairying	Demonstration of white wash and use of lime stone powder in shed of buffaloes to prevent disease incidence.	Percent incidence of diseases										
Tikamgarh	Dairying	Demonstration of Azolla feeding to lactating buffaloes	Milk yield Feed intake										
Tikamgarh	Goatry	Demonstration of feeding concentrate mixture to goat	Body weight										
Tikamgarh	Nutritional garden	Demonstration on Planned round the year availability of vegetables and fruits for farm family	Kharif season yield (kg/plot)										
			Rabi season yield (kg/plot)										
			Yield(kg/plot)										
Tikamgarh	Vermin-compost	Demonstration of Vermin-composting through biogas for income generation of farm women.	Production (Kg) Cost of Production(Rs/Kg) Increase income (%)										
Tikamgarh	Marigold cultivation	Demonstration of marigold cultivation for income generation for farm women.	Flower yield (kg/plot) No. of flower/plant Income increase (%)										
Tikamgarh	Value addition	Demonstration of income generation of farm women through value addition in ber fruit(ber sharbat).	Production (liter.) Additional income(Rs) Income increases (%)										
Tikamgarh	Brinjal	Pheromone trap@1 for 400 sq.m. + weekly release of 50,000 to 60,000 <i>Trichogramma chilonis</i> + two sprays of BT @1ml/L at 10 days interval at	No. of fruit/plant										
			Weight of fruit/plant(g)										
			Insect infestation (%)										

		peak flowering. + Intercropping of brinjal (2 rows) with coriander (one row) or fennel (1 row)	Yield(q/ha)										
Tikamgarh	Colocasia	T2- Variety –Muktakesi+ deep summer ploughing+ Early planting in May+ rhizome treatment with Rhidomile MZ 78@3ml/litre of water + Folpet 0.2% spray at fortnightly intervals from first appearance of disease.	Disease incidence (%)										
			No. of rhizome/plant										
			Weight of rhizome/plant (g)										
			Yield(q/ha)										
Tikamgarh	Tomato	T2-Variety-NS 815 (Hybrid)+Dip seedlings in imidacloprid (0.3ml/l) or thiomethoxam (0.3 g/l).Plant 1 row of 45 day old tall African marigold seedlings for every 16 rows of tomato. Spray Imidacloprid (0.3 ml/l) / thiomethoxam (0.3 gm/l) at 15 days after planting	% leaf curl incidence (%)										
			No. of fruit/plant										
			Yield(q/ha)										
Tikamgarh	Papaya	Variety-Surya+avoid mechanically transmitting + Spray Imidacloprid (0.3 ml/l) / thiomethoxam (0.3 gm/l) at 15 days after planting	Incidence of YMV (%)										
			Weight of fruit/plant(g)										
			No. of fruits/plant,										
			Yield(q/ha)										
Tikamgarh	Bottle Gourd	Demonstration of high yielding variety Narendra shivani	No. of fruit/plant										
			Weight /fruit										
			Yield (qt/ha)										
Tikamgarh	Cow pea	Demonstration of high yielding variety CP-4	No. of pod /plant										
			Yield /plant										
			Yield (qt/ha)										
Tikamgarh	Mango	Demonstration of NAA (Planofix) to prevent fruit drop in Mango.	% of fruit dropping										
			Yield (Kg/Tree)										
Tikamgarh	Pea	Demonstration on varietal replacement in Pea Variety Kasi udai.	No. of pod/plant										

			Yield /plant										
			Yield (qt/ha)										

### 3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Tikamgarh	Soybean, Black gram, Mustard, Chikpea,	Field days	04	200	
		Farmers Training	08	200	
		Media coverage	04	Mass	
		Training for extension functionaries	02	50	
Tikamgarh	Bottle Gourd, Cow pea, Mango, Pea.	Field days	04	150	
		Farmers Training	04	100	
		Media coverage	01	Mass	
		Training for extension functionaries	02	50	

### 3.5 Details of FLD on crop hybrids.

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

### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Tikamgarh	

## 5. TRAINING PROGRAMMES

1. Training programmes should be strictly covered under above mentioned thematic areas only.

2. For category, training type and thematic area, use abbreviations only.

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

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

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

Name of KVK	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
1	2	3	4	5	7	8	9	10	11	12	13	14			
Tikamgarh	FW	OFC	IPM	Importance of deep summer ploughing in pests management	1	2	25								



Tikamgarh	FW	OFC	IPM	Safe methods of storage grain pests	1	2	25										
Tikamgarh	FW	OFC	IPM &IDM	Importance and methods of different type seed treatments	1	2	25										
Tikamgarh	FW	OFC	IPM	Integrated management of girdle beetle in soybean	1	2	25										
Tikamgarh	FW	OFC	IDM	Integrated management of YMV in black gram	1	2	25										
Tikamgarh	FW	OFC	IDM	Integrated management of soybean mosaic virus	1	2	25										
Tikamgarh	FW	OFC	IPM	Integrated management of tobacco caterpillar in soybean	1	2	25										
Tikamgarh	FW	OFC	IDM	Integrated management of soft rot in soybean	1	2	25										
Tikamgarh	FW	ONC	IDM	Integrated management of leaf blight in colocasia	1	2	25										
Tikamgarh	FW	ONC	IDM	Integrated management of leaf curl in chilli	1	2	25										
Tikamgarh	FW	ONC	IPM	Safe storage grain pests management	1	2	25										
Tikamgarh	FW	ONC	IDM	Integrated management of wilt in chickpea	1	2	50										
Tikamgarh	FW	ONC	IPM	Termite management in wheat	1	2	25										
Tikamgarh	FW	ONC	IPM	Integrated management of pod borer in chickpea	1	2	25										
Tikamgarh	FW	ONC	IPM	Integrated management of aphid in mustard	1	2	25										
Tikamgarh	FW	ONC	IDM	Integrated management of leaf spot diseases of wheat	1	2	25										
Tikamgarh	FW	ONC	IPM	Integrated management of shoot and fruit borer in brinjal	1	2	25										
Tikamgarh	IS	ONC	IPM	IPM in Kharif crops	1	2	25										
Tikamgarh	IS	ONC	IPM	IPM in Rabi crops	1	2	25										
Tikamgarh	FW	OFC	IDM	Solarization in seed bed for management of damping off disease	1	2	25										
Tikamgarh	FW	ONC	IPM	Production and management tech. of coriander in summer	1	2	25										
Tikamgarh	FW	OFC	IPM	Tech. of raising nursery for Cole crop	1	2	25										
Tikamgarh	FW	ONC	IPM	Transplanting and production tech. in chilly cultivation	1	2	25										
Tikamgarh	FW	ONC	INM	Use of bio fertilizer in solanaceous crops	1	2	25										
Tikamgarh	FW	ONC	IPM	Agro tech. involved in potato cultivation	1	2	25										

Tikamgarh	FW	OFC	IPM	Production and management tech of Ashwagandha	1	2	25										
Tikamgarh	FW	ONC	IPM	Agro tech. involved in onion cultivation	1	2	25										
Tikamgarh	FW	ONC	IPM	Grading and standardization practices involved in onion	1	2	25										
Tikamgarh	FW	OFC	IPM	Nursery raising tech. of cucurbitaceous crop	1	2	25										
Tikamgarh	FW	ONC	IDM	Solarization in seed bed for management of damping off disease	1	2	25										
Tikamgarh	FW	ONC	IPM	Production and management tech. of coriander in summer	1	2	25										
Tikamgarh	FW	OFC	IPM	Tech. of raising nursery for Cole crop	1	2	25										
Tikamgarh	FW	ONC	IPM	Transplanting and production tech. in chilly cultivation	1	2	25										
Tikamgarh	FW	ONC	HOV	Improved Production techniques of vegetables crop in kharif season	1	2	25										
Tikamgarh	FW	ONC	HOF	Management of young plants/orchards	1	2	25										
Tikamgarh	FW	ONC	HOF	Micro irrigation system of orchards	1	2	25										
Tikamgarh	FW	ONC	HOS	Improved production techniques of spics	1	2	25										
Tikamgarh	FW	ONC	RHY	Nursery management of Horticultural crops	1	2	25										
Tikamgarh	FW	ONC	HOV	Nursery management of Vegetables crops	1	2	25										
Tikamgarh	FW	ONC	HOF	Training & pruning in Guava.	1	2	25										
Tikamgarh	FW	ONC	HOF	Layout management of orchards	1	2	30										
Tikamgarh	FW	ONC	HOF	Plant propagations techniques of pointed gourd & IV gourd	1	2	30										
Tikamgarh	FW	ONC	HOP	Production & management technology in tuber crops	1	2	25										
Tikamgarh	FW	ONC	HOS	Production & production technology of Ginger	1	2	25										
Tikamgarh	FW	ONC	RHY	Post harvest and handling of vegetables crops	1	2	25										
Tikamgarh	FW	OFC	LPM	Importance of vaccination and disinfectants	01	02	25										
Tikamgarh	FW	OFC	LPM	Importance disinfectants in shed	01	02	25										
Tikamgarh	FW	OFC	LPM	Cultivation of green fodder	01	02	20										
Tikamgarh	FW	OFC	LPM	Importance of green fodder feeding to the animals	01	02	20										

Tikamgarh	FW	OFC	LPM	Feeding of protein and mineral rich azolla to the animals	01	02	25												
Tikamgarh	FW	OFC	LPM	Concentrate mixture feeding to lactating goat	01	02	25												
Tikamgarh	FW	OFC	LPM	Amelioration of negative effect of heat stress in buffaloes	01	02	25												
Tikamgarh	FW	OFC	LPM	Summer anoestrous in buffaloes	01	02	20												
Tikamgarh	FW	OFC	LPM	UMMB feeding in lactating buffaloes	01	02	20												
Tikamgarh	FW	OFC	LPM	Cultivation method of Napier bajra hybrid	01	02	25												
Tikamgarh	FW	OFC	LPM	Importance of Napier Bajra hybrid feeding	01	02	20												
Tikamgarh	FW	OFC	LPM	Importance of mineral mixture	01	02	22												
Tikamgarh	WOE	FW	WOE	Health and Hygiene	1	02	25												
Tikamgarh	WOE	FW	WOE	Fruits and vegetables preservation	2	02	25												
Tikamgarh	WOE	FW	WOE	Nutritional Garden	2	02	25												
Tikamgarh	WOE	FW	WOE	Marigold cultivation	1	02	25												
Tikamgarh	WOE	FW	WOE	Safe storage of grains	2	02	25												
Tikamgarh	WOE	FW	WOE	Value addition in Aonla	1	02	25												
Tikamgarh	WOE	FW	WOE	Hybrid vegetables production	1	02	25												
Tikamgarh	WOE	FW	WOE	Mal-nutrition	1	02	25												
Tikamgarh	WOE	FW	WOE	Drudgery reduction in farm women	2	02	25												

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries						
					SC		ST		Others		
					M	F	M	F	M	F	
Tikamgarh	Skill development in vegetables seed production	Tomato, Chilli		5							
Tikamgarh	Fruit and vegetables preservation	Value addition	Income generation	3							
Tikamgarh	Nursery raising of vegetable crops	Vegetables crop	Mortality %	3							

**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	
		Tikamgarh	Seed production	1	

**Table 5.5. Sponsored Training Programmes**

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per	Client (FW/	Duration	No. of courses	No. of Participants			Sponsoring Agency	Fund received for training (Rs.)
							Others	SC	ST		

			column no 5 of Table T1	RY/IS	(days)		M	F	M	F	M	F		
Tikamgarh	Safe storage of grains	PLP	Grain storage	FW	2	2								WRD, State Govt.

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

Name of KVK	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		
Tikamgarh	Production and management Tech. of Medicinal and aromatic plant	Medicinal & Aromatic plants	Production technology	IS	02	01								
Tikamgarh	Crop production technology in Kharif crops	CPM		IS	02	01								
Tikamgarh	Crop production technology in rabi crops	CPM		IS	02	01								
Tikamgarh	IDM in Kharif crops	CPM		IS	02	01								
Tikamgarh	IDM in rabi crops	CPM		IS	02	01								
Tikamgarh	Back yard kitchen gardening	WA		IS	02	01								
Tikamgarh	Fruits and vegetable preservation	WA		IS	02	01								
Tikamgarh	Improved Production techniques of vegetables crop in kharif season	HOV		IS	02	01								
Tikamgarh	Nursery management of Horticultural crops	RHY		IS	02	01								

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

Name of KVK	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	
			Tikamgarh						

## 6. EXTENSION ACTIVITIES

Name of the KVK	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			
Tikamgarh	Field Day	06										
Tikamgarh	Kisan Mela	02										
Tikamgarh	Kisan Ghosthi	12										
Tikamgarh	Exhibition	10										
Tikamgarh	Film Show	05										
Tikamgarh	Method Demonstrations	10										
Tikamgarh	Farmers Seminar	02										
Tikamgarh	Workshop	05										
Tikamgarh	Group meetings	08										
Tikamgarh	Lectures delivered as resource persons	60										
Tikamgarh	Newspaper coverage	15										
Tikamgarh	Radio talks	04										
Tikamgarh	TV talks	04										
Tikamgarh	Popular Articles	08										
Tikamgarh	Extension Literature	12										
Tikamgarh	Farm Advisory Services	36										
Tikamgarh	Scientific visit to farmers field	35										

Name of the KVK	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			
Tikamgarh	Farmers Visit to KVK	30										
Tikamgarh	Diagnostic Visits	10										
Tikamgarh	Exposure Visits	10										
Tikamgarh	Ex-trainees Sammelan	02										
Tikamgarh	Soil Health Camp	06										
Tikamgarh	Animal Health Camp	02										
Tikamgarh	Agri Mobile Clinic	0										
Tikamgarh	Soil Test Campaigns	05										
Tikamgarh	Farm Science Club conveners meet	02										
Tikamgarh	Self Help Group conveners meetings	02										

### 7. Production and supply of Technological products

#### 7.1 SEED production

KVK Name	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
Tikamgarh	Cereals							
Tikamgarh	Pulses							
Tikamgarh	Fruits							

#### 7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety/Hyb.	Type of Produce	Qty.	Cost of inputs	Gross income	
Tikamgarh	Vegetable crops	Tomato, Chilli, Brijal	June-July 2016	Oct. to Nov.2016	1.0	H-86 K-2,Disha Pantritiraj	Seedling	2000 each	5000	10000	-
Tikamgarh	Fruit crops	Papaya	June-July 2016	-	1.0	Pusa Nanha/Badwani Red.	Sapling	2500	8000	12000	-
Tikamgarh	Flower crops	Rose & Marigold.	Sep to Oct.2016	-	1.0	Deshi. Push Narangi.	Cutting/ Seedling.	3000	6000	8500	-

#### 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	
Tikamgarh	BIOAGENTS	-	-	-	-
Tikamgarh	BIOFERTILIZERS	-	-	-	-
Tikamgarh	BIO PESTICIDES	-	-	-	-

#### 7.4 Livestock and fisheries production

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

### 8. Activities of Soil and Water Testing Laboratory

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

Year of establishment : - 2004

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
Tikamgarh	Soil Sample	-	-	-	-	-
Tikamgarh	Water Sample	-	-	-	-	-

### 9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	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
Tikamgarh	-	-	-	-	-	-	-	-	-	-

### 10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Tikamgarh	36	25900	376	-

### 11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Tikamgarh	Kharif – Rabi (02)	50	

### 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
Tikamgarh	April-March(04)	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
Tikamgarh	DVD	AS PER REQUIRED	04

#### 12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
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		Type	Title	Author's name	Number of copies
Research Paper	04	-	-	-	-
Technical bulletins	05	-	-	-	-
Technical reports	10	-	-	-	-
Popular article	12	-	-	-	-
News paper coverage	10	-	-	-	-
<b>Year Planner</b>	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
Tikamgarh	ATMA	Central	-	-	-	-
Tikamgarh	MNREGA	Central	-	-	-	-
Tikamgarh	NHM	Central	-	-	-	-
Tikamgarh	RKVY	Central	-	-	-	-
Tikamgarh	DRDA	Central	-	-	-	-
Tikamgarh	Seed Village	Central	-	-	-	-
Tikamgarh	NICRA	Central	-	-	-	-
Tikamgarh	NFSM	Central				
Tikamgarh	PPV&FRA	Central				
Tikamgarh	MMKTY	State				
Tikamgarh	PRE-Kharif & Rabi	Central				

### 14. Utilization of Farmers Hostel.

#### Accommodation available (No. of beds):

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Tikamgarh	April-March	2016-17	-	-	-	-	-

### 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
Tikamgarh	2008-09	2013	04 GType + 02H Type	Nil	NA

### 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.	Tikamgarh	Yes	DES

#### b) Details about Technology Park

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

**c). Crop Cafeteria-**

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	Resource management	SRI method of transplanting in paddy, Ridge and furrow method of soybean sowing
2.	Horticulture	Meadow-orchard in guava Allahabad Safeda, High density plantation mango-Amarpalli
3.	Varietal replacement in horticulture	Plantation – Pomegranate, Custard Apple, Jack fruit, Aonla, Citrus,
4.	Value Addition	Agro Processing Unit
5.	Varietal replacement in crops	Field Crop, Vegetables, floriculture, Spices and Medicinal crop cafeteria
6.	Women in agriculture	Nutritional Garden
7.	IPM	IPM in gram
8.	IDM	IDM in Ginger
9.	INM	INM in Sesame
10.	LPM	Goatary

**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	Tikamgarh	Nil	Nil	Nil

**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.	Nil	Nil

**19. Outreach of KVK**

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Tikamgarh	Tikamgarh	Palera	170	90
Tikamgarh	Prithivipur	Niwari	50	70
Tikamgarh	Jatara	Baldevgarh	190	110

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.	Nil	Nil	Nil	Nil

### 21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Sagar	40%	-
2	Chhattarpur	60%	-

### 22. Important visitors to KVK

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

### 23. Status of KVK Website:

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

### 24. Status of RTI

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

### 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			
Tikamgarh	-	-	-	-	-	-	-

### 26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

## 27. INTERVENTIONS ON DROUGHT MITIGATION

### Introduction of alternate crops/varieties

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

### Major area coverage under alternate crops/varieties

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

### Farmers-scientists interaction on livestock management

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

### Animal health camps to be organized

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

### Seed distribution in drought hit states

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

### Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
Tikamgarh	-	-	-	-

### Bio-control Agents

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

### Bio-Fertilizer

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

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

### Large scale adoption of resource conservation technologies

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

### 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
Tikamgarh	-	-	-	-	-	-	-	-	-	-	-	-

## 28. Proposal of NICRA

### 1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
1.Short duration variety					
a. Kharif 2016					
(i) Soybean	JS 335				
(ii) Black gram	T-9				
2.Low water requirement variety					
(i)Sesame	Local variety				
b.Rabi 2016-17					
(i) Wheat	Lok-1				
(ii) Chickpea	Old variety-Khazua				
(iii) Mustard	Local variety Lahi				
2.Introduction of new crops (drought)					
(i) SRI method in Paddy JR-201	Broad casting, local variety Sathiya				
3.Appropriate inter-cropping systems -					
(i)Gram + Mustard	Mixed cropping				
(ii)Wheat + Mustard	Mixed cropping				

### 2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Exposure visit (02)				

Kishan Mobile Sandesh			
Field day (04)			
Animal health camp(02)			

### 3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			Total
	Farmers	Farm Women	Official	
Training(04)				

### 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)

### 30. Status of Revolving Funds (Rs.)

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

### 31. Awards & Recognitions

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

### 32. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1.	Tikamgarh	04	04

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

33. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem)