

ANNUAL PROGRESS REPORT
April 2015 to March 2016



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TIKAMGARH (M.P.)**



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REPORTING PERIOD – April 2015 to March 2016

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2015-16

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	16	153	
	On Going OFT	0	0	
	Technologies assessed (Completed OFT)	15	171	
	Technologies refined	6	72	
	On farm trials conducted	15	171	
2	Frontline demonstrations			
	Proposed Frontline demonstrations	16	192	
	On Going Frontline demonstrations	0	0	
	FLDs conducted on crops	04	48	
	Area under crops (ha.)	20	48	
	FLD on farm implement and tools	01	12	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	04	48	
	FLD on Fisheries - Finger lings	0	0	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	02	24	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	02	24	
3	Training programmes		No. of Course	Duration (days)
	Farmers	52	104	1124
	Farm women	12	24	293
	Rural youth	04	08	118
	Extension personnel/ In service	04	08	122
	Vocational trainings	01	08	52
	Sponsored Training	01	01	35
	Total	74	145	1744
			No. of programmes	Participants
4	Extension Programmes	386	4829	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	66	17	
	Planting material produced (nos.)	3000	35	
6	Livestock	Qty	Beneficiaries (nos.)	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	-	-	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	
7	Bio Products	Qty	Beneficiaries (nos.)	
	Bio Agents -Earth worm (Kg.)	-	-	
	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermicompost, Rhizobium, PSB, BGA, Mycorrhiza, Azotobacter, Azospirillum etc. (Kg.)	-	-	
	Bio Pesticide-Panchgavya, Neem Extract, Neem oil etc.(lit.)	-	-	
8	Any other significant achievement in the Zone	Nos.	Participants/ beneficiaries	
	Award (Best KVK award and scientist and farmer's award)	-	-	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	19	mass	

	KVK News letter	2	2000
	SAC Meetings conducted	1	27
	Soil sample tested	1200	1200
	Water sample tested	-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-
	KVK-KMA (Message and beneficiaries)	32	25128
	Convergence programmes	09	490
	Sponsored programmes	-	-
	KVK Progressive Farmers interaction	11	2573
	No. of Technology Week Celebrations	-	-
	Attended HRD activities organized by ZPD	-	-
	Attended HRD activities organized by DES	05	02
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	04	04
9	Current status of Revolving Funds (Amt. in Rs.)		Closing balance Rs.= 264625
10		No. of blocks	No. of villages
	Outreach of KVK in the District	06	583
11		ICAR	SAU Others
	No. of important visitors to KVK (nos.)	-	01 07
12		Working (Yes/No)	No. of Update
	Status of KVK Website	Yes	01
13		Application received	Application disposed
	Status of RTI (nos.)	-	-
14		Query received	Query dissolved
	Citizen Charter (nos.)	-	-
15		Working (Yes/No)	No. of programme viewed
	E-connectivity	Yes	06
16		Filled	Vacant
	Staff Position	07	9
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	07	
18	Publication received from ICAR /other organization (nos.)	14	
19		Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	YMV alert imidacloroprid 5 ml /15 l, drought life saving irrigation in soybean, vaccination, aphid alert imidacloroprid 5 ml / 15 l, pod borer quinalpos 2 ml / l, Fog Alert-Smoking and irrigation, Non-seasonal Rainfall,	ZPD, SAU, ICAR, Agriculture Department, Dist-adminstration

GENERAL INFORMATION

1.1. Staff Position (as on 31 March 2016)

Summary of Staff position in KVKs on 31 March, 2016

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Tikamgarh	16	01	0	06	04	03	0	06	03	16	07

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Tikamgarh	Senior Scientist & Head of KVK	Vacant	-	-	-	-	-	-	-	-
Tikamgarh	Scientist	Sh.B.L.Sahu	Home Science	M.Sc.(Ag)	Food Science & Technology	15600-39100	21390	25.01.2007	Temp	OBC
Tikamgarh	Scientist	Dr.R.K.Prajapati	Plant Protection	Ph.D.	Plant Pathology	15600-39100	24690	01.02.2007	Temp	Gen
Tikamgarh	Scientist	Dr.S.K. Khare	LPM	Ph.D.	Animal Nutrition	15600-39100	23030	05.02.2007	Temp	Gen
Tikamgarh	Scientist	Dr. S.K. Singh	Horticulture	Ph.D.	Vegetable science	15600-39100	24690	16.03.2007	Temp	Gen
Tikamgarh	Scientist	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	Sh. A. H. John	-	HS	-	4440-7440	7760	15.03.1999	Temp	OBC
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	-

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
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	2015-16	Tikamgarh	15Km	1500	1260
Tikamgarh	Sheorajpur	2015-16	Jatara	20Km	660	515
Tikamgarh	Bilgoan	2015-16	Jatara	20Km	1125	1005

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

KVK Name	THRUST AREA
Tikamgarh	Soybean - (i) Imbalance dose of fertilizers (ii) Insect Pest incidence (iii) Weed infestation
Tikamgarh	Wheat - (i) Balance dose of fertilizers (ii) Weed management (iii) Water management (iv) Termite management

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

1.4. 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	Degradation of resources	Land survey and field visit	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 efficiency of farm machinery	PRA, 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
Tikamgarh	Low efficiency in information delivery of information technology	Farmers meeting, interaction	All blocks & adopted villages

2. On Farm Testing

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommendations
										FP (T ₁)	RP (T ₂)	RP(T ₃)	FP (T ₁)	RP (T ₂)	RP(T ₃)	
Tikamgarh	2015	Kharif	Yield reduction (31%) due to heavy incidence of YMV (affected area 54%)	Assessment of black gram varieties with ridge bed planting	Refinement	PLP	Black gram	Rainfed	12	7.15	7.55	9.27	43300	46200	59360	MYMV resistant variety IPU-4-1 recommended with Ridge bed planting method of sowing
Tikamgarh	2015	Kharif	Yield reduction (37%) due to heavy incidence of soft rot in ginger (affected area (52%))	Assessment of integrated management of soft rot in ginger	Refinement	PLP	Ginger	Sandy loam - Irrigated	12	109.1	115.35	151.0	428100	451250	625000	Suprabha resistant soft rot variety with IDM recommended for the ginger soft rot management
Tikamgarh	2015	Kharif	Green fodder availability	Assessment of MP Chari on lactating performance of buffaloes	Assessment	LPM	Dairying	Irrigated	12	5.76 litre/day	5.95 litre/day	-	698	785	-	10 kg /day offered with feed
Tikamgarh	2015	Kharif	Income generation	Assessment of vermicompost as secondary income generation	Assessment	LPM	Dairying	-	05	09 q	11q	-	100	395	-	Secondary income generation by the participation of farmers women
Tikamgarh	2015	Kharif	Low yield of Brinjal in rainy season due to use of old variety (affected area 1000 ha.)	Assessment of Brinjal variety Pant Samrat	Refinement	HOS	Brinjal	Irrigated	12	165.23	225.13	287.31	94588	155936	192936	Brinjal variety Smart high yielding
Tikamgarh	2015	Kharif	Low yield of tomato in rainy season due to fruit rotting (affected area 1500 ha.)	Assessment of stacking practices in tomato	Refinement	HOS	Tomato	Irrigated	12	206.05	267.81	298.64	114265	151176	186118	Tomato stacking practice increased yield and reduced fruit rotting
Tikamgarh	2016-17	Rabi	Low yield due to local variety (Khazoa) ,use of imbalance of pesticides, heavy infestation of insect pest and incidence of wilt	Assessment of IPM in chickpea for management of wilt and pod borer	Refinement	PLP	Chickpea	Rainfed	12	10.4	13.63	16.68	32500	44020	65520	variety JG-16 +IPM technology recommended for the chickpea pos borer and wilt management
Tikamgarh	2016-17	Rabi	Low yield (30%) due to inadequate dose of fertilizers with Lok-1 under irrigated late sown condition	Assessment of nutrient management in wheat under late sowing condition	Refinement	CPM	Wheat	Late irrigated	12	32.0	35.4	39.16	28400	32600	36840	Variety GW 322 with INM technology recommended for the wheat cultivation under irrigated late sown condition
Tikamgarh	2015	Rabi	Improper growth of kids	Assessment of balance feed on growth of kids	Assessment	LPM	Goatry	-	10	Body weight gain 86.17 g/day	96.83	-	2740	3089	-	200g balance feed/day for 120 days
Tikamgarh	2016-17	Rabi	Low yield of chilly due to use of old and O.P. var (Affected area 3100 ha.)	Assessment of chilli variety Disha	Refinement	HOS	Chilli	Irrigated	12	279.10	304.68	331.10	297778	325421	355521	Chili Variety – Desh (Hyb)
Tikamgarh	2016-17	Rabi	Low yield of cabbage due to use of old and O.P. var (affected area 150 ha.)	Assessment of Cabbage variety – Hament	Refinement	HOS	Cabbage	Irrigated	12	131.20	193.58	251.40	73050	119936	166192	Cabbage Variety – Hament (Hyb)

2.2 Economic Performance

KVK name	OFT Title	Parameters	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
			Name and unit of Parameter	Demo (T2)	Demo (T3)	Check (T1)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)	Refined Practice, if any (T ₃)	FP (T ₁)	RP (T ₂)
Tikamgarh	Assessment of black gram varieties with ridge bed planting	Disease incidence (%)	10	5	30	15200	15800	16800	57200	60400	74160	43300	46200	59360	3.71	3.82	4.63
		No. of pods/plant	20	25	14												
		Yield (q/ha)	7.55	9.27	7.15												
Tikamgarh	Assessment of integrated management of soft rot in ginger	Disease incidence (%)	16	9.0	70	120000	125000	130000	548100	576250	755000	428100	451250	625000	4.56	4.61	5.80
		No. of rhizome/plant ,	15	9	7												
		weight of rhizome /plant	65	70	40												
		Yield (q/ha)	115.25	151.0	109.62												
Tikamgarh	Assessment of MP Chari on lactating performance of buffaloes	Milk yield	5.76	5.95	1030	1000	-	1728	1785	-	698	785	-	1.68	1.78	-	
Tikamgarh	Assessment of vermin-compost as secondary income generation	Manure quantity produced (q)	9	11	100/q	105/q	-	200/q	500/q	-	100/q	395/q	-	2.00	4.76	-	
Tikamgarh	Assessment of Brinjal variety Pant samrat	No. of fruit/Plant	20	24	28	32000	35000	35000	131488	187936	228200	94588	155936	192936	2.10	3.36	4.52
		Wt. of fruit (g)	30.81	34.78	37.41												
		Yield q/ha	165.23	225.13	287.31												
Tikamgarh	Assessment of stacking practices in tomato	No. of fruit/Plant	34	44	41	32000	35000	35000	146265	206003	186109	114265	151176	186118	2.57	3.88	3.31
		Wt. of fruit (g)	22.21	23.88	23.78												
		Yield q/ha	206.05	267.81	298.64												
Tikamgarh	Assessment of IPM in chickpea for management of wilt and pod borer	Insect infestation (%)	2.1	1.0	25	9500	10500	12000	42000	54520	66720	32500	44020	65520	4.42	5.19	5.56
		Disease incidence (%)	1.0	2.5	52												
		No. of pods/plant	61	70	44												
		Yield (q/ha)	13.63	16.68	10.5												
Tikamgarh	Assessment of nutrient management in wheat under late sowing condition	Test weight of grain (g)	38.75	44.08	34.16	19600	20500	21900	48000	53100	58740	28400	32600	36840	2.40	2.60	2.70
		No. of grains/ear	44.8	55.38	34.16												
		Yield (q/ha)	35.4	39.16	32.0												
Tikamgarh	Assessment of balance feed on growth of kids	Body weight gain (g/day)	86	97	1460	1504	-	4200	4593	-	2740	3089	-	2.87	3.05	-	
Tikamgarh	Assessment of chilli Hybrid Disha	No. of fruit/Plant	140.66	151.58	169.58	65000	70000	75000	362778	395421	430521	297778	325421	355521	3.58	3.64	3.74
		Wt. of fruit (g)	6.90	7.24	7.02												
		Yield q/ha	279.10	304.68	331.10												
Tikamgarh	Assessment of Cabbage variety - Hament	Wt. of head (g)	0.472	0.697	0.905	32000	35000	35000	105040	154936	201192	73050	119936	166192	1.28	2.42	3.74
		Yield q/ha	131.20	193.58	251.40												

2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations
Tikamgarh	2015	Kharif	Low yield (30%) of soybean due to excessive moisture/stress during cropping period	Assessment of different sowing method with short duration varieties in soybean for water budgeting	Assessment	CPM	T1- Long duration variety of soybean JS: 335. T2- Short duration variety of soybean JS: 95-60 T3- Short duration variety of soybean JS: 95-60 + BBF.	Short duration variety	Rainfed	12	Short duration variety-JS:95-60+ BBF and ridge and furrow method of sowing is help in moisture management during moisture stress/excessive rains in soybean cultivation
Tikamgarh	2015	Kharif	Low income of farm women due to pulses stored under traditional storage by farm women involved in blackgram Storage (14-18%)	Assessment of reduction in storage losses of kharif pulses (blackgram storage)	Refinement	WOE	T1-Use of traditional storage practices T3- Safe storage (under plastic lined bags+GI bin)+Marketing linkage	Safe storage of pulses is reduces losses during storage and increase income of farm women involved in blackgram production T2-Safe storage (under plastic lined bags+GI bin)	Safe storage	12	Safe storage (under plastic lined bags+GI bin)+Marketing linkage were reduce storage losses of kharif pulses and Increasing income of farm women
Tikamgarh	2015-16	Rabi	Low income of farm women due to no value addition in Ginger (affected 30% population of farm women).	Assessment of value addition in ginger for income generation of farm women	Refinement	WOE	T1-No value addition in ginger T2-Development of value added products from ginger (dehydrated ginger-Sonth) and ginger candy T3- Development of value added products from ginger (dehydrated ginger-Sonth) and ginger candy +marketing linkage	value addition in ginger increases additional income of farm women as well as shelf life of raw ginger.	Value addition	12	Development of value added products from ginger (dehydrated ginger- Sonth) and ginger candy +marketing linkage help to increasing additional income of farm women as well as shelf life of ginger
Tikamgarh	2015-16	Rabi	Low income of farm women due to use of local variety of marigold cultivation	Assessment of income generation of farm women involving in Marigold cultivation.	Refinement	WOE	T1-Use of local variety(Gandi) T2-Use of Pusa narangi T3- Use of Pusa narangi +Pinching	High yielding, large size flower and high market return	Income Generation	12	Use of Pusa narangi improved variety of Marigold +Pinching increasing income of farm women involving in Marigold cultivation

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter																					
		Output m2/h/ Days to maturity		Est. Energy Expenditure kj/min./ No. of pods/plant		WHR beat/min/ Test weight (g)		% reduction in drudgery/Losses		% increase in efficiency/Yield		Production per unit		Cost of input/Cost of production.		Incremental income(Rs)/ Average Gross Return (Rs/ha)		Yield(Kg/ha)(q/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Tikamgarh	Assessment of different sowing method with short duration varieties in soybean for water budgeting	110	85	37	29	6.23	9.81	-	-	-	37.08	-	-	16300	18600	32960	45184	10.30	14.12	16660	20916	4300	T1-2.02 T2- 2.42
Tikamgarh	Assessment of reduction in storage losses of kharif pulses during storage	-	-	-	-	-	-	2.24	0.78	-	-	-	-	78	105	70.2	201	-	-	8	130	122	T1-0.90 T2-1.91
Tikamgarh	Assessment of value addition in ginger for income generation of farm women	-	-	-	-	-	-	-	-	-	-	-	-	53	85	60	130	-	-	7	45	38	T1-1.13 T2-1.52
Tikamgarh	Assessment of income generation of farm women involving in Marigold cultivation	-	-	-	-	-	-	-	-	-	-	-	-	5500	11300	16800	63150	3.36	12.63	11300	51850	40550	T1-3.05 T2-5.58

2.5. Feedback from KVK to Research System

Name of KVK	Feedback
KVK Tikamgarh	OFT 1 - Need to ensured the availability of insecticides and MYMV resistant varieties with short duration at local market
KVK Tikamgarh	OFT 2 - Need to ensured the availability of resistant variety seed of ginger against soft rot with availability of fungicides at local market
KVK Tikamgarh	OFT 3 – Availability of MP Chari Seed.
KVK Tikamgarh	OFT 4 – Demand in Local Market is Very Low.
KVK Tikamgarh	OFT 5 - Need to ensured the availability of fungicides insecticides and pod borer and wilt resistant varieties seed at local market
KVK Tikamgarh	OFT 6 - Need to ensured the availability of GW 322 variety seed and bio-fertilizers at local market
KVK Tikamgarh	OFT 7 - Need to ensured the availability of Chilly Hybrid Disha seed at local market
KVK Tikamgarh	OFT 8 - Need to ensured the availability of Cabbage variety Hemant seed at local market.
KVK Tikamgarh	OFT 13 – Need to Ensured the availability of BBF and Ridge & Furrow Seed drill at local level
KVK Tikamgarh	OFT 14 - Need to Ensured the availability of storage structure at local level.
KVK Tikamgarh	OFT 15 - Need to Ensured the market facility for ginger product at local level.
KVK Tikamgarh	OFT 16 - Need to Ensured the availability market facility at local level.

3. Achievements of Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years

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	Crop Production Management	Line sowing, JS-95-60 20:60:20:30 NPKS Kg/ha+ Rhizo+ PSB @ 20 g/Kg Seed, Summer deep ploughing+ Light Trap + Bird percher @ 50/ ha + spray of Trizophos @ 1000 ml/ha	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	72	89000	72000
Tikamgarh	Black gram	Crop Production Management	IPU : 94-1 20:60:20 + 25 NPKS kg./ha.+ Rhizo+ PSB@ 20g/kg seed 1 hand weeding at 20-25 DAS	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	122	112000	93000
Tikamgarh	Colocasia	PLP	Kharif 2015	2 Summer deep ploughing + Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit	2	12	2
Tikamgarh	Brinjal	PLP	Kharif 2015	BSS998+Nipping of infested twigs, spraying of Dimetheoate 30 EC @2 ml/litre of water at 15 days interval	2	12	2
Tikamgarh	Dairy	LPM	Kharif 2015	Vitamin E and Selenium 2g/day for 90 days	2	12	-
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	Crop Production Management	JG -16 Seed treatment by <i>Tricoderma viride</i> @ 5g/kg seed + Deep ploughing + Feromone trap + Bird percher @ 50 / ha + Spray of Propinophos @ 2ml/ lit of water.	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	53	53000	57000
Tikamgarh	Mustard	Crop Production Management	Improved seed of variety Rohini + SMI, RDF (NPKS 80:40:20:30 kg/ha) + PSB @ 20g/kg seed, + Azoto + 1 spray of Imidachloroprid @ 5 ml/15 lit. of water.	Field demonstration, Field days, Farmers Training, Media coverage, Training for extension functionaries	125	63400	54000
Tikamgarh	Onion	PLP	Rabi 2015-16	Variety-N 53+spray of Imidacloropride @ 5 ml/15 iter of water at 15 days interval + Spray Neem seed powder extract (4%) or Neem soap (1%) 4-5 times at 10 days interval on ETL Level	2	12	2
Tikamgarh	Okra	PLP	Rabi 2015-16	YMV resistant variety Nirmal-33 (Hy.)+spraying of Imidacloropride @ 5 ml/15 iter of water at 15 days interval on ETL level	2	12	2
Tikamgarh	Dairying	LPM	Rabi 2015-16	Vetmate 2ml/animal	2	12	-
Tikamgarh	Dairying	LPM	Rabi 2015-16	JB-1	2	12	-
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

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprizes	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Others	General	Total
Tikamgarh	2015	Kharif	CPM	Variety-J S : 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	Soybean	JS 95-60	05 ha	7.14	12.30	72.26	0	0	11	1	12

Tikamgarh	2015	Kharif	CPM	IPU:94-1 + 30 cm X 10 cm spacing, Seed treatment - Vitavax @ 2.5 g / kg + RDF 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%	Blackgram	IPU:94-1	05 ha	8.94	13.63	52.46	0	0	10	2	12
Tikamgarh	2015	Kharif	PLP	2 Summer deep ploughing + Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit	Colocasia	Narendra Arbi-1+IDM	2/12	106.54	162.13	52.36	01	0	10	01	12
Tikamgarh	2015	Kharif	PLP	Pant Rituraj+Nipping of infested twigs, spraying of Dimethoate 30 EC @2 ml/litre of water at 15 days interval	Brinjal	BSS 998+IPM	2/12	164.05	283.80	72.99	01	0	10	01	12
Tikamgarh	2015	Kharif	LPM	Demonstration to prevent subclinical mastitis in buffaloes	Dairying	Vitamin E and Selenium 2g/day for 90 days	12	5.82	6.51	11.97	1	-	9	2	12
Tikamgarh	2015	Kharif	Varietal Replacement	Demonstration on varietal replacement in Chilly variety- US 515	chilli	US 515	1 ha	118.0	162.8	37.96	03	-	09	-	12
Tikamgarh	2015	Kharif	Varietal Replacement	Demonstration on varietal replacement in brinjal variety- Utkal	Brinjal	Utkal	1 ha	235.0	340.0	44.6	04	-	08	-	12
Tikamgarh	2015	Kharif	Income Generation	Demonstration on Vermi-composting for increasing income of farm women.	Vermi-compost	Preparation of vermin-compost from bio-gas slurry .	12 units	12 Qt	9 Qt	14.28	0	0	1	11	12
Tikamgarh	2015	Kharif	Malnutrition	Demonstration on 10% soybean flour + 90% wheat flour in diet of farm women	Malnutrition	10% soybean flour + 90% wheat flour in diet.	12 Family	43.60 Kg.	46.83 Kg.	7.40	01	02	06	03	12
Tikamgarh	2015-16	Kharif-Rabi.	Nutritional Garden.	Demonstration on Planned round the year availability of vegetabels and fruits for farm family	Nutritional Garden.	To ensure availability of vegetables and fruits for farm family	12 Family	73.01 Kg	185.63 Kg	154 %	0	03	07	02	12
Tikamgarh	2015-16	Rabi	Income Generation	Demonstration on hybrid vegetables production for income generation of farm women.	Vegetables production	Brijal, Cabbage, cauliflower& Chili.	1.2 ha.	178.00	285.0	60.11	0	02	0	10	12
Tikamgarh	2015-16	Rabi	CPM	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	Chickpea	JG-16	05 ha	11.24	18.36	63.34	0	0	11	1	12
Tikamgarh	2015-16	Rabi	CPM	Improved variety (Rohani) RDF(80:40:20:30 NPK Kg/ha + Azoto + PSB @ 2.5 kg/ ha each Imidachloroprid @ 5 ml/15 lit of water.	Mustard	Rohani	05 ha	12.10	17.63	45.70	1	0	9	2	12

Tikamgarh	2015-16	Rabi	PLP	Variety-N-53+spray of Imidaclopride @ 5 ml/15 liter of water at 15 days interval + Spray Neem seed powder extract (4%) or Neem soap (1%) 4-5 times at 10 days interval on ETL Level	onion	N-53+IPM	2/12	109.16	160.33	31.31	01	0	11	0	12
Tikamgarh	2015-16	Rabi	PLP	YMV resistant variety Nirmal-33 (Hy.)+spraying of Imidaclopride @ 5 ml/15 liter of water at 15 days interval on ETL level	Okra	Nirmal-33 (hy.)+IPM	2/12	84.33	109.25	29.55	01	0	11	0	12
Tikamgarh	2015-16	Rabi	LPM	Demonstration of cloprostenol in anoestrous buffaloes	Dairying	Vetmate 2ml/animal	12	3 anoestrous animals	9 oestrous animals	75% reduction in anoestrous	1	-	11	-	12
Tikamgarh	2015-16	Rabi	LPM	Demonstration of green fodder feeding (Berseem) on milk yield in buffaloes	Dairying	JB-1	12	5.93	6.7	12.98	2	-	9	1	12
Tikamgarh	2015-16	Rabi	Varietal Replacement	Demonstration on varietal replacement in Chilly variety- Ujala	Chilli	Ujala	1 ha	126.8	88.8	42.97	02	-	10	-	12
Tikamgarh	2015-16	Rabi	Varietal Replacement	Demonstration on varietal replacement in Tomato variety- NS 815	Tomato	NS 815	1 ha	288.6	205.8	40.23	03	-	09	-	12

3.3 Economic Impact of FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Tikamgarh	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	Soybean	Days to maturity	110	85	16500	18300	29925	38640	13425	20340	1.81	2.11
			No. of pods/plant	33	39								
			Test weight (g)	111	141								
			Yield (q/ha)	8.55	11.04								
Tikamgarh	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%	Blackgram	No. of pods/plant	26.14	56.03	13300	14500	60410	77280	47110	62780	4.54	5.32
			Test weight (g)	3.56	6.71								
			Yield (q/ha)	8.63	14.50								
Tikamgarh	Summer deep ploughing + Seed treatment + 2 spray of Ridomil MZ 78 @ 3 l/lit	Colocasia	No. of rhizome/plant	47	20	50000	45000	154029	101213	104024	56213	3.08	2.24
			Weight of rhizome/plant(g)	49.0	27.12								
			Disease incidence (%)	2.5	61.25								

			Yield(q/ha)	162.13	106.5								
Tikamgarh	BSS 998+Nipping of infested twings, spraying of Dimethoate 30 EC @2 ml/litre of water at 15 days interval	Brinjal	Insect infestation (%)	1.5	47.35	40000	35000	222040	131240	187040	96240	5.67	3.74
			No. of fruit/plant	28.0	14.0								
			Weight of fruit/plant	75.0	36.0								
			Yield(q/ha)	283.80	164.0								
Tikamgarh	Demonstration on varietal replacement in Chilly variety- US 515	Chilli	No. of fruit/plant,	60-65	80-85	31800	40500	212400	293040	180600	252540	6.67	7.23
			Weight of fruit/plant (Kg),	1.90	2.40								
			Yield(q/ha)	118.0	162.8								
Tikamgarh	Demonstration on varietal replacement in brinjal variety- Utkal	Brinjal	No. of fruit/plant,	20-25	30-35	32200	41000	164000	238000	132300	197000	5.1	5.8
			Weight of fruit/plant (Kg),	1.25	2.90								
			Yield(q/ha)	235.0	340.0								
Tikamgarh	JG -16, Seed treatment by <i>Tricoderma viride</i> @ 5g/kg seed +vitavex @ 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	Chickpea	No. of pods/plant	42	56	19200	20200	48960	75600	29760	55400	2.55	3.74
			Test weight (g)	38	48								
			Yield (q/ha)	12.24	18.90								
Tikamgarh	Improved variety (Rohani) RDF(80:40:20:30 NPK Kg/ha + Azoto + PSB @ 2.5 kg/ ha each Imidachloroprid @ 5 ml/15 lit of water.	Mustard	No. of siliqua/plant	541.71	556.34	13500	14200	34608	44912	21108	30712	2.56	3.16
			Test weight (g),	14	17								
			Yield (q/ha)	12.36	16.04								
Tikamgarh	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	Onion	Weight of bulb(g)	160.33	110.0	25000	20000	86064	65496	61064	45496	3.44	3.27
			Thrips infestation (%),	1.40	30.33								
			Yield(q/ha)	143.33	109.1								
Tikamgarh	YMV resistant variety Nirmal-33 (Hy.)+spraying of Dimethoate 30 EC @2 ml/ liter of water at 15 days interval	Okra	Incidence of YMV (%),	1.78	83.33	22000	18000	131100	101196	109100	83196	5.95	5.62
			No. of fruits/plant,	57.41	44.25								
			Yield(q/ha)	109.25	84.33								

Tikamgarh	Demonstration to prevent subclinical mastitis in buffaloes	Dairying	Milk Yield (l/day/animal)	5.82	6.51	1097	1112	2097	2346	1000	1234	1.91	2.10
Tikamgarh	Demonstration of cloprostenol in anoestrous buffaloes	Dairying	Number of animals in anoestrous	12	3	1236	1684	2000	5000	764	3316	1.62	2.97
Tikamgarh	Demonstration of green fodder feeding (Berseem) on milk yield in buffaloes	Dairying	Milk Yield (l/day/animal)	5.93	6.70	1012	1000	2136	2412	1124	1412	2.1	2.4
Tikamgarh	Demonstration on varietal replacement in Chilli variety- Ujala	Chilli	No. of Fruit/plant,	90	130	29600	37800	159840	228240	130240	190440	5.4	6.0
			weight of fruit (kg),	1.80	2.10								
			Yield(q/ha)	88.8	126.8								
Tikamgarh	Demonstration on varietal replacement in Tomato variety- NS 815	Tomato	No. of fruit/plant,	25	35	36600	46900	205800	288600	169200	241700	5.6	6.1
			Wt. of fruit/plant (kg),	2.60	3.50								
			Yield(q/ha)	205.8	288.6								

3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Tikamgarh	2015-16	Kharif & Rabi	Women in Agriculture	Food and nutritional insecurity of farm women due to unavailability of functional fruits and vegetables at house hold level	T1-Farmer practice(Unplanned nutritional garden) T2-Plan round the year availability of nutritive vegetable &fruits in the garden	Enterprise	Nutritional garden	Irrigated	0.30 ha	12
Tikamgarh	2015-16	Kharif & Rabi	Women in Agriculture	High mal-nutrition in farm women due to deficiency of protein	T1-No use of soybean in human diet T2-1kg soybean + 9 kg wheat	Mal-nutrition	Enterprise	AES-III	-	12
Tikamgarh	2015-16	Rabi	Women in Agriculture	Low income of farm women due to production of low yielding varieties of vegetables	T1-Low yielding varieties of vegetables T2-Hybrid vegetables	Hybrid vegetables	Enterprise	AES-III Irrigated	3 ha	12
Tikamgarh	2015-16	Rabi	Women in Agriculture	Low income of farm women due to no production of vermin-compost	T1-Traditional composting of composting T2-Vermicomposting of bio-slurry waste	Vermi-composting	Enterprise	AES-III	12 unit	12

3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																					
		Output m ² /h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
Tikamgarh	Plan round the year availability of nutritive vegetables & fruits in the garden	-	-	-	-	-	-	-	-	-	-	88.95	363.651	800	23000	1779	7273	-	-	979	1521	T1-899 T2-3703	T1-2.22 T2-3.16
Tikamgarh	1kg soybean + 9 kg wheat =Fortified flour (blend flour)	-	-	-	-	-	-	-	24.47	-	-	-	-	150	165	-	-	-	-	-	-	T1-150 T2-165	T1-1.90 T2-2.30
Tikamgarh	Production of hybrid vegetables (Brinjal, Tomato, Chilly and Cauliflower)	-	-	-	-	-	-	-	-	-	20.83	38.66	15000	22000	41666	77333	-	-	26666	55333	26666 55333	T1-2.77 T2-3.51	
Tikamgarh	Vermicomposting of bio-slurry waste	-	-	-	-	-	-	-	-	-	12	09	100	130	200	500	-	-	100	370	100 370	T1-2.00 T2-3.80	

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Tikamgarh	Black-gram	Field days	01	51	To motivate and demonstrated the technology
		Farmers Training	04	115	To motivate and demonstrated the high yielding variety of black gram
		Media coverage	03	Mass	To diffusion of technology for larger adoption at district level
		Training for extension functionaries	01	31	To back stopping the extension functionaries of district
Tikamgarh	Soybean	Field days	01	51	To motivate and demonstrated the technology
		Farmers Training	03	91	To motivate and demonstrated the technologies of soybean production
		Media coverage	02	Mass	To diffusion of technology for larger adoption at district level
		Training for extension functionaries	01	26	To back stopping the extension functionaries of district
Tikamgarh	Chickpea	Field days	01	50	To motivate and demonstrated the technology
		Farmers Training	04	118	To motivate and demonstrated the technologies of chickpea production
		Media coverage	02	Mass	To diffusion of technology for larger adoption at district level
		Training for extension functionaries	01	21	To back stopping the extension functionaries of district
Tikamgarh	Mustard	Field days	02	105	To motivate and demonstrated the technology
		Farmers Training	05	127	To motivate and demonstrated the technologies of mustard production
		Media coverage	01	Mass	To diffusion of technology for larger adoption at district level
		Training for extension functionaries	01	18	To back stopping the extension functionaries of district

3.7 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	Tikamgarh	Chilly	US 515	US Agri Seed	12	1.0
2	Tikamgarh	Tomato	NS 815	Naamdhari seeds	12	1.0
3	Tikamgarh	Chilly	Ujala		12	1.0

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
Tikamgarh	FLD-1- Farmers were convinced with the result of crop production technology of soybean	Farmers interaction	FLD	Large scale adoption. If short duration varieties will be available at local level
Tikamgarh	FLD-2- Farmers were convinced with the result of crop production technology of black gram	Farmers interaction	FLD	Large scale adoption. If short duration varieties will be available at local level
Tikamgarh	FLD-3- Effect of cloprostenol in anoestrous animals	Injectable	Animals come in oestrous and conceived.	Adoption is satisfactory
Tikamgarh	FLD-6- Farmers were convinced with the result of crop production technology of Colocasia.	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Brinjal	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Dairying	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of chilli	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Brinjal	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Vermi-compost	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Malnutrition	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Nutritional Garden.	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Vegetables production	Farmers interaction	FLD	Adoption is satisfactory

Tikamgarh	FLD-3- Farmers were convinced with the result of crop production technology of chickpea	Farmers interaction	FLD	Large scale adoption. If short duration varieties will be available at local level
Tikamgarh	FLD-4- Farmers were convinced with the result of crop production technology of mustard	Farmers interaction	FLD	Large scale adoption. If short duration varieties will be available at local level
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of onion	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Okra	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Dairying	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Dairying	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Chilli	Farmers interaction	FLD	Adoption is satisfactory
Tikamgarh	FLD-5- Farmers were convinced with the result of crop production technology of Tomato	Farmers interaction	FLD	Adoption is satisfactory

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of FLD on Technology Tested
Tikamgarh	Pregnancy diagnosis kit.

4. 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 involved
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, mention code/abbreviations only

Table 5.1. Details of Training programmes conducted by the KVKs

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Tikamgarh	FW	OFC	WOE	Nutritional garden	02	02	0	18	0	0	0	0	0	14
Tikamgarh	FW	OFC	WOE	Mal-nutrition	02	02	0	0	0	04	0	0	0	40
Tikamgarh	FW	ONC	WOE	Income generation	02	02	0	0	0	04	0	0	0	26
Tikamgarh	FW	OFC	WOE	Cleaning and Sanitation	01	02	0	0	0	26	0	0	0	34

Tikamgarh	FW	OFC	WOE	Safe storage of grain	01	03	0	0	0	09	0	0	0	19
Tikamgarh	FW	OFC	WOE	Drudgery reduction	01	02	0	0	0	07	0	0	0	23
Tikamgarh	FW	ONC	WOE	Fruits & vegetables preservation	02	04	0	0	0	23	0	0	0	27
Tikamgarh	FW	OFC	PLP	Integrated management of MYMV in black gram	1	2	7	1	5	1	1	0	6	4
Tikamgarh	FW	ONC	PLP	Integrated management of girdle beetle in soybean	1	2	8	0	5	2	1	0	6	0
Tikamgarh	FW	OFC	PLP	Importance of seed treatment and its different methods	1	2	1	0	2	5	0	0	10	3
Tikamgarh	FW	ONC	PLP	Integrated management of soft root in ginger	1	2	3	1	2	1	0	0	10	3
Tikamgarh	FW	OFC	PLP	Integrated management of phytophthora blight in colocasia	1	2	5	0	4	1	0	0	10	3
Tikamgarh	FW	OFC	PLP	Integrated management of leaf curl in chilli	1	2	8	0	7	2	0	0	4	1
Tikamgarh	FW	OFC	PLP	Integrated management of tomato leaf curl	1	2	2	1	8	4	0	0	8	2
Tikamgarh	FW	ONC	PLP	Integrated management of shoot and fruit borer in brinjal	1	2	1	3	8	1	0	0	10	4
Tikamgarh	FW	OFC	PLP	Integrated management of yellow mosaic in papaya	1	2	5	1	8	3	0	0	8	7
Tikamgarh	FW	OFC	PLP	Integrated management of wilt in chickpea	1	2	3	1	10	2	0	0	5	35
Tikamgarh	FW	OFC	PLP	Integrated management of pod borer in chickpea	1	2	5	2	7	2	0	0	5	2
Tikamgarh	FW	ONC	PLP	Integrated diseases management in rabi crop	1	2	7	1	7	1	0	0	7	2
Tikamgarh	FW	ONC	PLP	Integrated insect-pest management in rabi crops	1	2	20	1	5	1	0	0	10	0
Tikamgarh	FW	OFC	LPM	Control and treatment measures of important diseases	2	2	1	1	1	1	-	-	8	4
Tikamgarh	FW	OFC	LPM	Managemental practices of dairy animals	1	2	-	-	3	-	2	-	10	-
Tikamgarh	FW	OFC	LPM	Managemental practices in goat	1	2	5	-	6	-	-	-	7	-
Tikamgarh	FW	OFC	LPM	Importance of balance feed preparation	1	2	21	6	5	2	3	-	25	-
Tikamgarh	FW	OFC	LPM	Importance of mineral supplementation	1	2	14	3	6	9	3	2	9	2
Tikamgarh	FW	OFC	LPM	Prevention of mastitis	1	1	-	-	4	-	-	-	15	-
Tikamgarh	FW	OFC	LPM	Green fodder cultivation	1	1	2	-	1	-	1	-	8	-
Tikamgarh	FW	OFC	LPM	Prevention of anoestrous	1	1	5	-	1	-	-	-	16	-
Tikamgarh	FW	OFC	LPM	Organic farming	1	1	-	-	3	-	-	-	14	-
Tikamgarh	FW	OFC	LPM	Calf management	1	1	2	-	3	-	-	-	16	-
Tikamgarh	FW	OFC	HOS	Tech. of raising nursery for Cole crop	1	1	-	-	-	-	-	-	06	15

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Tikamgarh	FW	OFC	WOE	Nutritional garden	02	02	0	18	0	0	0	0	0	14
Tikamgarh	FW	OFC	WOE	Mal-nutrition	02	02	0	0	0	04	0	0	0	40
Tikamgarh	FW	ONC	WOE	Income generation	02	02	0	0	0	04	0	0	0	26
Tikamgarh	FW	OFC	WOE	Cleaning and Sanitation	01	02	0	0	0	26	0	0	0	34
Tikamgarh	FW	OFC	WOE	Safe storage of grain	01	03	0	0	0	09	0	0	0	19
Tikamgarh	FW	OFC	WOE	Drudgery reduction	01	02	0	0	0	07	0	0	0	23
Tikamgarh	FW	ONC	WOE	Fruits & vegetables preservation	02	04	0	0	0	23	0	0	0	27
Tikamgarh	FW	OFC	HOS	Transplanting and production tech. in chilli cultivation	1	1	2	-	-	-	-	-	20	-
Tikamgarh	FW	OFC	HOS	Use of bio fertilizer in solanaceous crops	1	1	2	-	-	-	-	-	20	-
Tikamgarh	FW	OFC	HOS	Agro tech. involved in potato cultivation	1	2	3	-	1	-	1	-	17	-

Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries								
					Gen		SC		ST		Others		
					M	F	M	F	M	F	M	F	
Tikamgarh	Fruits and vegetables preservation	Enterprise	Value addition	02	0	14	0	02	0	0	0	0	13
Tikamgarh	Plant Propagation technique	Fruit Plants	Income generation	02	05	02	10	01	02	0	0	0	07
Tikamgarh	Management of dairy animals	Enterprise	Income generation	02	10	02	05	01	02	5	08	04	
Tikamgarh	Mushroom cultivation	Enterprise	Income generation	02	10	04	10	05	01	01	10	04	
Tikamgarh	Preparation of vermicompost	Dairying	Income generation	04	1	-	1	-	-	-	13	-	

Table 5.3. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed elsewhere
		Type of units	Number of units	Number of persons employed	
Tikamgarh	Nil	Nil	Nil	Nil	Nil

Table 5.4. Sponsored Training Programmes

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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Tikamgarh	PPV&FRA	Farmers Protection Right	Protection Right	All	01	01	38	02	49	03	06	02	00	00	ICAR New Delhi	80000

Table 5.5 Training Programmes for Panchayatiraj Institutions Office-bearers & members /Inservice

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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Tikamgarh	Integrated diseases and insect pest management in Kharif crops	PLP	IDM and IPM	IS	02	02	24	0	10	1	2	1	0	0	KVK Tikamgarh	Nil

Tikamgarh	Integrated diseases and insect pest management in Rabi crops	PLP	IDM and IPM	IS	02	02	15	2	12	01	04	2	0	0	KVK Tikamgarh	Nil
Tikamgarh	Climate change scenario and agriculture in Tikamgarh	HRD	CPM	IS	02	01	14	2	10	01	3	0	0	0	KVK Tikamgarh	Nil
Tikamgarh	Crop Production in Kharif crops	CPM	CPM	IS	02	01	12	02	05	02	04	01	0	0	KVK Tikamgarh	Nil

Table 5.6 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	05	151	36	07	02	18	04	Awareness of new technologies	Kharif and Rabi farmers fair	Harvesting
Tikamgarh	Kisan Mela	02	02	808	182	124	88	121	08	Awareness of new technologies	Kharif and Rabi farmers fair	Harvesting
Tikamgarh	Kisan Ghosthi	06	05	102	22	58	24	75	08	Technical knowledge	Kharif and Rabi	Harvesting
Tikamgarh	Exhibition	02	11	mass	-	-	-	-	-	Demonstration of Technologies	Farmers fair	-
Tikamgarh	Film Show	20	03	79	05	38	01	34	03	Horizontal expansion of technologies	Awareness of new technologies	-
Tikamgarh	Method Demonstrations	10	07	52	08	30	04	06	03	Learning by doing	Seed treatment, value addition, plant propagation technique	Before sowing
Tikamgarh	Farmers Seminar	04	05	55	19	44	15	1	0	Technical knowledge	Horticultural crops	Harvesting
Tikamgarh	Workshop	04	02	89	10	50	03	04	0	Sustainable agriculture	Organic farming	Sowing
Tikamgarh	Group meetings	04	18	56	13	65	07	20	16	Planning of programmes	Karif and Rabi	-
Tikamgarh	Lectures delivered as resource persons	60	79	MASS						capacity building	Improved Technologies	All stages
Tikamgarh	Newspaper coverage	10	13	mass	-	-	-	-	-	-	-	All stages
Tikamgarh	Radio talks	02	0	0	-	-	-	-	-	-	-	-
Tikamgarh	TV talks	04	04	mass	-	-	-	-	-	-	-	-
Tikamgarh	Popular articles	05	05	mass	-	-	-	-	-	-	-	-
Tikamgarh	Extension Literature	12	16	8000	0	0	0	0	0	-	-	-
Tikamgarh	Farm advisory Services	20	38	22045	0	0	0	0	0	-	-	All stages
Tikamgarh	Scientific visit to farmers field	80	44	187	38	153	07	0	0	-	-	All stages
Tikamgarh	Farmers visit to KVK	2000	45	2066	0	0	0	0	0	-	-	All stages
Tikamgarh	Diagnostic visits	20	15	91	06	87	0	15	0	Plant protection measures	IDM & IPM in Rabi and Khari	Vegetative,

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			
											crops	Flowering & Podding
Tikamgarh	Exposure visits	02	02	26	0	20	0	0	0	Plant protection measures	IDM & IPM in Rabi and Khari crops	Vegetative, Flowering & Podding
Tikamgarh	Ex-trainees Sammelana	02	2	47	05	18	0	07	01	-	-	-
Tikamgarh	Soil health Camp	04	05	68	2	72	0	08	02	Soil testing	Sample Collection	-
Tikamgarh	Animal Health Camp	02	02	37	02	59	07	00	0	Disease awareness	Vaccination	-
Tikamgarh	Agri mobile clinic	00	0	0	0	0	0	0	0	-	-	-
Tikamgarh	Soil test campaigns	04	06	89	13	18	07	11	02	Awareness regarding soil testing	Sample Collection	-
Tikamgarh	Farm Science Club conveners meet	02	02	17	1	05	02	08	03	Awareness	Crop diversification	All stages
Tikamgarh	Self Help Group conveners meetings	02	03	19	14	18	04	06	02	Awareness	-	-
Tikamgarh	Mahila Mandals conveners meetings	2	2	0	33	0	17	0	01	Awareness	-	-
Tikamgarh	Celebration of important days (World environment day)	03	04	81	18	33	21	17	07	Awareness	World environment day, Inter-national woman day, world soil day & world food day	-

7. Literature Developed/Published (with full title, author & reference)

7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Tikamgarh	April	April – June 2015	1000	1000
Tikamgarh	July	July – September 2015	1000	1000

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Tikamgarh	Research Papers			
Tikamgarh	<i>Agriways 03(2): 112-119, ISSN:2321-8614(Print),2454-2318(Online)</i>	Impact of climate change on plant diseases: A review	Gangwar,R.K.,Vikaram D.Singh,Shalini and Prajapati,R.K.(2015)	-
Tikamgarh	<i>Agriways 03(2): 120-138, ISSN:2321-8614(Print),2454-2318(Online)</i>	Effect of climate change on plant diseases in Bundelkhand zone leading to change in cropping pattern	Prajapati,R.K.,Singh,S.R. and Gangwar,R.K,(2015)	-
	National Conference on Recent Advances in Diversified Agricultural System. Feb., 20-21,2016 held at CCR(PG) College,Muzaffarnagar(U.P.),India, Organised by Research and Education Development Society(Regd.) Modipuram,Meerut,(U.P.) Pp	Climate change and its impact on major crops diseases in Bundelkhand region of India	Prajapati,R.K. , Srivastava, AK.,Singh,S.R. and Gangwar,R.K.(2015)	-

	02.			
	National Conference on Recent Advances in Diversified Agricultural System. Feb., 20-21,2016 held at CCR(PG) College,Muzaffarnagar(U.P.),India, Organised by Research and Education Development Society(Regd.) Modipuram,Meerut,(U.P.) Pp 02.	Dry weather and disease impact on soybean yield in Bundelkhand agroclimatic zone of Madhya Pradesh	Srivastawa,A.K.,Nayak,M.K.,Tomar,D.S. and Prajapati,R.K. (2015)	-
	National Conference on Recent Advances in Diversified Agricultural System. Feb., 20-21,2016 held at CCR(PG) College,Muzaffarnagar(U.P.),India, Organised by Research and Education Development Society(Regd.) Modipuram,Meerut,(U.P.) Pp 21.	Integrated Management technologies for shoot and fruit borer of brinjal	Singh,S.R.,Prajapati,R.K.,Gangwar,R.K. and Shashi Mala(2015)	-
	National Conference on Recent Advances in Diversified Agricultural System. Feb., 20-21,2016 held at CCR(PG) College,Muzaffarnagar(U.P.),India, Organised by Research and Education Development Society(Regd.) Modipuram,Meerut,(U.P.) Pp 21.	Assessment of Some insecticides against leaf minor of pea	Singh,S.R.,Prajapati,R.K.,Gangwar,R.K. and Shashi Mala(2015)	-
	National Conference on Recent Advances in Diversified Agricultural System. Feb., 20-21,2016 held at CCR(PG) College,Muzaffarnagar(U.P.),India, Organised by Research and Education Development Society(Regd.) Modipuram,Meerut,(U.P.) Pp 28.	Out break of mungbean yellow mosaic virus(MYMV) on black gram in Tikamgarh district of Madhya Pradesh	Prajapati,R.K. and Srivastwa,A.K(2015)	-
Tikamgarh	Extinction Folder			
Tikamgarh	<i>J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.) page1-4</i>	Pradhan Mantri Fashal Beema Yojna,	Shri B.L. Sahu, S.K. Khare,R.K. Prajapati S.K. Singh.	1000
Tikamgarh	Technical bulletin			
	<i>J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.) page1-6</i>	Mrada Parikashad Ka Mahtwa Awam Awasakata (<i>The importance of soil testing and its necessities</i>)	S.K.Singh,B.L.,Sahu,R.K.Prajapati and S.K.Khare	1000
	<i>J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.) page1-10</i>	Krishi Taknique,	B.L. Sahu, S.K. Khare, S.K. Shingh.	1000
Tikamgarh				
Tikamgarh	Training Manual			
	<i>J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.) page1-116</i>	<i>Training manual on Protection of plant Varieties and farmers, Rights</i>	S.K.Singh,B.L.,Sahu,R.K.Prajapati and S.K.Khare	25
Tikamgarh	Book Chapter			
Tikamgarh	Achievements of KVK,Tikamgarh(M.P.) for creating awerness and promotion of PPV & FRA programe among the farmers (2013-14 to 2015-16) Page No. 01-10 Year-2016	<i>Training manual on Protection of plant Varieties and farmers, Rights published by J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.)30th Jan,2016 page1-116</i>	R.K.Prajapati,S.K.Singh,B.L.Sahu and Sandeep Khare	25
Tikamgarh	Impact of climate change on development of plant disease of major crops,biodiversity of plant pathogens and cropping system in Bundelkhand region of India, Page No 28-40 Year-2016	<i>Training manual on Protection of plant Varieties and farmers, Rights published by J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.)30th Jan,2016 page1-116</i>	R.K.Prajapati	25

Tikamgarh	Bio-diversity conservation through farm women in Bundelkhand region, Page No 41-42 Year-2016	<i>Training manual on Protection of plant Varieties and farmers, Rights published by J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.)30th Jan,2016 page1-116</i>	B.L.Sahu,R.K.Prajapati and S.K.Singh	25
Tikamgarh	Conservation,cultivation and sustainable use of medicinal plants in Bundelkhand zone, Page No 61-68 Year-2016	<i>Training manual on Protection of plant Varieties and farmers, Rights published by J N Krishi Vishwa Vidhaylaya, Krishi Vigyan Kendra,Tikamgarh(M.P.)30th Jan,2016 page1-116</i>	R.K.Prajapati	25
Tikamgarh	NEWS LETTER.			
	Jawahar Krishi sandesh (Farmers News Letter): 8(28) April-June 2015	Newsletter	B.L. Sahu, Sandeep Kumar Khare and R.K.Prajapati	1000
	Jawahar Krishi sandesh (Farmers News Letter): 8(29) July-September 2015	Newsletter	B.L. Sahu, Sandeep Kumar Khare R.K.Prajapati and Sanjay Kumar Singh	1000
	<i>Year Planner 2015-16 of JNKVV, KVK,Tikamgarh(M.P.)</i>	Year Planner	B.L. Sahu, Sandeep Kumar Khare and R.K.Prajapati	200
Tikamgarh	POPULAR ARTICLE.			
	Harit Kranti, National Agriculture Hindi Magazine, 10 July,2015, year 38(01) pages,8-09	Mung Va Udad Ke Rogon Va Keeton Ka Prabandhan(The major diseases and insect-pests of green gram and black gram)	R.K.Prajapati and R.K. Gangwar	-
	Harit Kranti, National Agriculture Hindi Magazine, 10 Nov.,2015, pages,07	Adhunik Saghan Padati Se Sarson Ki Kheti(Modern Mustard Production Technique: System in Mustard Intensification)	R.K.Prajapati,R.K.Gangwar and S. R.Singh	-
	Jan Ashirwad Montnly Hindi magazine,year 04(8),pp.18-19July 2015	Udad Mein Ekikrat Rog Prabandhan (Integrated Diseases management in black gram)	R.K.Prajapati	-
	Raj Express, City express, Daily news paper, 9 August 2015	Soybean Mein Ekikrat Keet Prabandhan Ke Upy Karein (Integrated Diseases management in soybean)	R.K. Prajapati	-
	Raj Express, City express, Daily news paper, 31 August 2015	Udad Mein Pilachitari Rog Ka Prabandhan (MYMV management in back gram)	R.K.Prajapati	-
Tikamgarh	NEWS PAPER CAVRAGE.			
	राज एक्सप्रेस	करौड़ों रूपया की फसल में पीला मोजेक रोग का प्रकोप ज़ारी -मौसम की मार से उड़द बीमार	KVK	१० सितम्बर, २०१५
	राज एक्सप्रेस	खरीफ फसलों के लिए सामयिक सलाह	KVK	१० सितम्बर, २०१५
	दैनिक भास्कर	आदर्स ग्राम गौर में प्रक्षेत्र दिवस संपन्न	KVK	२७ सितम्बर, २०१५

	राज एक्सप्रेस	आदर्स ग्राम गौर में प्रक्षेत्र दिवस संपन्न	KVK	२७ सितम्बर, २०१५
	टीकमगढ़ पत्रिका	तीन सोलर पैनल के सहारे सिंचाई	KVK	२५ दिसम्बर २०१५
	टीकमगढ़ पत्रिका	बुन्देलखंड में सरसों की संभावना सबसे प्रबल	KVK	२६ दिसम्बर २०१५
	दैनिक भास्कर	कृषि वैज्ञानिकों ने दी योजनाओं की जानकारी	KVK	२७ दिसम्बर २०१५
	टीकमगढ़ पत्रिका	उन्नत कृषि के लिए वैज्ञानिकों का मंथन, उत्पादन बढ़ने पर जोर	KVK	०२ मार्च २०१६

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Tikamgarh	DVD	World Soil day	02
Tikamgarh	DVD	P.M.F.B.Y.	02

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	Soybean (BS)	Soybean (10 ha)	JS-95-60	10	1,20,000	05 No. Seed growers	-
Tikamgarh	Gram (BS)	Gram (10 ha)	JG-315	56	6,72,000	12 No. Seed growers	-

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	Vegetables	Knol-khol	Pusa knol-Khol				
Tikamgarh	Vegetables	Tomato	NS 815	Seedling/1000		08	
Tikamgarh							
Tikamgarh	Vegetables	Brinjal	Utkal	Seedling/500		07	
Tikamgarh	Vegetables	Cauliflower	Snow white	Seedling/500		05	
Tikamgarh	Spices	Chilli	Disha, Ujala, US 515	Seedling/1000		15	

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

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Tikamgarh	Bio Agents	Nil	Nil	Nil	Nil	Nil	Nil
Tikamgarh	Bio Agents	Nil	Nil	Nil	Nil	Nil	Nil
Tikamgarh	Bio Fertilizer	Nil	Nil	Nil	Nil	Nil	Nil
Tikamgarh	Bio Fertilizer	Nil	Nil	Nil	Nil	Nil	Nil

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil
	Nil	Nil	Nil	Nil	Nil	Nil

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Tikamgarh	Working attached with COA,TKG	2004	Soil testing Lab	1565	1000	10	-	1500

9.2 Details of water samples analyzed so far :

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)
Tikamgarh	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	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
Tikamgarh	Nil	Nil	Nil		Nil	Nil	Nil	Nil	Nil	Nil

11. Utilization of Farmers Hostel facilities

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)	Accommodation available (No. of beds)
Tikamgarh	April-March	2015-16	Nil	Nil	Nil	Nil	Nil	Nil

12. Utilization of Staff Quarters facilities

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	2012 Nov	04+02 (G-type+H-type)	Nil	Nil-

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Tikamgarh	1st March 2016	27	1. Promotion of SMI in mustard 2. Crop Diversification 3. Promotion of organic farming

14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Tikamgarh				NIC	Message on climate mitigation strategies
Tikamgarh	32	25128	145	NIC	Message on climate mitigation strategies

15. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs. In lakh)	Activities organized	Operational Area	Remarks
Tikamgarh	ATMA	Central	-	Trainings, Crop Seminar, Field day, Exposure visit	Tikamgarh	-
Tikamgarh	NHM	StateGovt.	1.0	Demonstration	Tikamgarh	-
Tikamgarh	NICRA	ICAR	6.75	Demonstration and training	Tikamgarh	-
Tikamgarh	NFSM(Oil seeds mustard)	Central	0.97	Demonstration, Field day and training	Tikamgarh	-
Tikamgarh	PPV and FRA	Central	0.80	Training and exhibition	Tikamgarh	-
Tikamgarh	Biodiversity International	Central	0.36	Demonstration	Tikamgarh	-
Tikamgarh	Pre-Kharif Sammelan	Central	0.80	Awareness	Tikamgarh	-
Tikamgarh	Pre-Rabi Sammelan	ICAR	0.80	Awareness	Tikamgarh	-
Tikamgarh	Soil testing Campaign	ICAR	1.25	Awareness , distribution of soil health cards	Tikamgarh	-

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Tikamgarh	11084739600, SBI, Tikamgarh (M.P.)	179125		

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Tikamgarh	Appreciation	Group	Central, ICAR (Biodiversity International)	Certificate
Tikamgarh	District best progressive farmer award	Farmer (Shri Mathura Prasad Kushwaha, Village Kanti,Tikamgarh (M.P.)	MP Govt. District collector	Certificate and 25000

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent? = Yes

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

ZPD/DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Tikamgarh	Crop Cafeteria	1.Soybean- JS 93-05,JS 95-60,JS 335,JS 97-52,NRC-37,VS-10 2. Black gram- Azad-1,3,Shekhar-2,Pant U-30,LBG-20, IPU-94-1 3 Paddy- (With SRI) -JR-201,Pusa Basmati,Sugandha-5,Jal Dubba ,Indra Barani dhan-1,Karmeshwari,Durgeshwari,Rajeshwari,Kamleshwari,JR 503,Chandra Hanasni,Maheshwari 4. Biodiversity-Paddy (Sambhaleshwari,Sahbhagi Dhan,MTU1001,Danteshwari,IR-64,JR503,Pusha Sugandha-5,JR-201,Kranti,WWL-32000,Mahamaya,Purnima,MTU1010,Puja, 4.Sesame-TKG-306,308 and TKG-22 5. Wheat-(SWI) with conservation agriculture zero tillage) GW-273,322,366,HI-1544,MP4010,JW3211 6. Chickpea(Ridge bed Planting) –JG-11,16,322 7. Mustard(SMI) - Pusa Agarani, Pusa Jai Kishan, Rohani,Urvarsi,Arravali,.Pusa Bold, Shyam 101,Ganga,VK1008 8. Linseed – T397 9. Tomato -BSS 908(Hy.),Rajann(Hy.), Arka Meghali, 10. Brinjal -,BSS-332,PK-123,Janak,Sanjula(Hy.),Nav Kiran(Hy.),Govindra(Hy.), Reliable (Hy.), Arka Kusumkar 11. Chilli- Jalsa(Hy.),Disha (BSS455),A Suphal 12. Nutritional garden- All seasonal vegetables and flowers were demonstrated 13. Fodder crops-Barseem-JB-1,Barley-Hybrid-2825,Sorghum-Hybrid(SH)
Tikamgarh	Technology Desk	SRI method of transplanting in paddy (with 11 varieties) module Soybean Ridge bed planting method of sowing with variety JS -9560 module Black gram variety with Ridge bed planting method of sowing with IDM module Sesame variety TKG-308 line sowing and INM demonstration module Wheat variety-GW 322 with SWI and zero tillage module demonstration Chickpea variety JG-16 with ridge bed planting method and IPM demonstration module Mustard- 10 varieties with SMI module demonstration Meadow-orchard in guava Plantation – Pomegranate, Custard Apple, Jack fruit, Aonla Agro Processing Unit Field Crop, Vegetables, floriculture, Spices and Medicinal crop cafeteria Nutritional Garden NADEP and Vermi-compost unit
Tikamgarh	Visitors Gallery	Crop museum
Tikamgarh	Technology Exhibition	Farm machinery and food processing lab and micro-soil testing kit
Tikamgarh	Technology Gate-Valve	Solar pump

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Resource management	06
2	Horticulture	12
3	Varietal replacement in horticulture	12
4	Food processing	12
5	Varietal replacement in crops	30
6	Women in agriculture	04
7	IPM	06
8	IDM	06
9	INM	03
10	LMP	04

19. 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

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	Pre-kharif 06/06/2015	800
2.	PPV and FRA 30/01/2016	100
3.	Soil awareness programme 05/12/2015	500
4.	Pre-Rabi 15/02/2016	450
5.	Swachh Bhart Abhiyan 08/9/2015	31
6.	World Food day 16/10/2015	44
7.	ATTMA interface 29/01/2016	44
8.	Crop Insurance awerness 05/04/2016	450
9.	Women day 8/03/2016	62
10.	SAC meeting 01/03/2016	27
11.	Jai Jawan Kishan Jai Vigyan Dewash 23/12/2015	65

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Tikamgarh	Tikamgah	Palera	163	87
Tikamgarh	Prithivipur	Niwari	45	69
Tikamgarh	Jatara	Baldevgarh	186	112

22. 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
Tikamgarh	Nil	Nil	Nil	Nil

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Sagar	20%	Reports, OFTs and FLDs
2	Chhattarpur	30%	Reports, OFTs and FLDs
3.	Damoh	10%	Reports, OFTs and FLDs

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Tikamgarh	Hoble Shri. K.K. Shrivastawa	5/12/15	-	-	Honble MLA, Tikamgarh	Appreciation regarding crop cafeteria and Nutritional garden
Tikamgarh	Shri- Chhatrapal Singh Bundela	5/12/15	-	-	Kishan Isthai Sammiti (Chairman) Tikamgarh	Appreciation regarding crop cafeteria and Nutritional garden
Tikamgarh	Shri- Raman Pastore	15/02/16	-	-	Member of Jila Pannchayt Tikamgarh	Appreciation regarding crop cafeteria and Nutritional garden
Tikamgarh	Dr. Sanjay Vaishanpayan		-	SAUs	Sr. Scientist and representative of DES, JNKVV, Jabalpur	
Tikamgarh	Shri-Gresh Keshw Kelkar	05/03/2016			Manager of Agramine Bank	Appreciation regarding crop cafeteria and Nutritional garden
Tikamgarh	Honble Dr. Virendra Kumar	17/02/2016 and 05/04/2016	-	-	Honble Member of parliament	Appreciation regarding crop cafeteria and Nutritional garden
Tikamgarh	Sri- Parwat Lal Ahirwar	15/02/2016 and 05/03/2016, 05/12/2016	-	-	Chirman of Jila Panchayat Tikamgarh	Appreciation regarding crop cafeteria and Nutritional garden
Tikamgarh	Shri- Kedar Sharma	05/12/2016 and 17/02/2016	-	-	District Collector Tikamgarh	Appreciation regarding crop cafeteria and Nutritional garden

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Tikamgarh	23.03.2015	01	978

26. E-CONNECTIVITY

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	Nil	Nil	Nil	Nil	Nil	Nil	

27. Status of RTI

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

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Tikamgarh	Nil	Nil	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Tikamgarh	B.L.Sahu	I/C PC & SMS (Home Science)	07	1. Workshop cum Training on finalization of Home Science Action Plan 2015-16 from 25-27 June 2015 at Ujjain (M.P.) 2. National Seminar on PPV & FRA at ICAR New Delhi on 07.07.2015 3. Workshop on Biodiversity International at ICAR New Delhi on 08.07.2015 4. National Conference on KVKs at Patna From 25-26 July 2015 5. Zonal Workshop of KVKs from 09-11 September 2015 at Ujjain (M.P.) 6.Meeting on discussion of cluster demonstration of oil seeds and pulses on 09.10.2015
Tikamgarh	Dr. R.K. Prajapati	Scientist (Plant Protection)	03	1. Interface Meeting on enhancing the preparedness of agriculture in kharif season at J.N.K.V.V. Jabalpur on 26 June 2015 CRIDA 2. Review workshop of NICRA KVK Under Zone VII- On 5-7 May 2015 3. Kishan Mela Lalitpur 29-30 March 2016.
Tikamgarh	Dr.S.K .Singh	Scientist (Horticulture)	03	Kishan Mela Lalitpur 29-30 March 2016. NICRA Exhibition at Jhansi 21 jan 2016
	Total		12	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Tikamgarh		

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Tikamgarh	B.L.Sahu	I/C PC & SMS (Home Science)	04	1.Review meeting of KVKs at Jabalpur from 21-22 August 20152 2.Exhibition at JNKVV Jabalpur on 1.10.2015 on JNKVV foundation day 3.Meeting on Soil Health Day at DES JNKVV Jabalpur on 2.11.2015 4.Workshop cum Training on cluster demonstration of NFSM from 21-22 Dec.2015 JNKVV Jabalpur
Tikamgarh	Dr. R.K. Prajapati	Scientist (Plant Protection)	01	Organised by NCIPM, New Delhi at DES, J N Krishi Vishwa Vidhayalya, Jabalpur(M.P.)
Tikamgarh	Dr.S.K .Singh	Scientist (Horticulture)		Exhibition PPV & FRA at DES, JNKVV Jabalpur on 13-14 Feb 2016 Exhibition at JNKVV Jabalpur on 1.10.2015 on JNKVV foundation day

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Tikamgarh	04	04

31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Tikamgarh	B. L. Sahu	I/C PC & SMS (Home Science)	01	CAFT Training(21 days) at IARI New Delhi from 2/01/2016 to 22/01/2016
Tikamgarh	Dr. R.K. Prajapati	Scientist (Plant Protection)	01	03 Feb, 2016 to 24 Feb, 2016, 21 days training held at GBPU & T, Pantnagar, Uttarakhand
Tikamgarh	Dr. Sandeep Khare	Scientist (LPM)	01	Carft Training (21 days at IVRI Bareilly Izatnagar U.P. from 17/09/2015 To 07/10/2015)
Tikamgarh	Sanjay Kumar Singh	SMS (Horticulture)	01	CAFT Training (21 days) at Solan, Himanchal Pradesh from 17/02/2016to 05/03/2016

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Tikamgarh	04	04

32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)

Name of KVK	Alert observed	Particulars	Reported to organization
Tikamgarh	Pre-kharif 06/06/2015	Interaction, SMS, literature developed and distributed news paper coverage, Use of electronic media	DES, ZPD, District allied department, state Govt, Central Govt,
Tikamgarh	Soil awareness programme 05/12/2015	Interaction, SMS, literature developed and distributed news paper coverage, Use of electronic media	DES, ZPD, District allied department, state Govt, Central Govt,
Tikamgarh	Pre-Rabi 15/02/2016	Interaction, SMS, literature developed and distributed news paper coverage, Use of electronic media	DES, ZPD, District allied department, state Govt, Central Govt,
Tikamgarh	Swachh Bhart Abhiyan 08/9/2015	Interaction, SMS, literature developed and distributed news paper coverage, Use of electronic media	DES, ZPD, District allied department, state Govt, Central Govt,
Tikamgarh	PM Crop Insurance awerness 05/04/2016	Interaction, SMS, literature developed and distributed news paper coverage, Use of electronic media	DES, ZPD, District allied department, state Govt, Central Govt,
Tikamgarh	Jai Jawan Kishan Jai Vigyan Dewash 23/12/2015	Interaction, SMS, literature developed and distributed news paper coverage, Use of electronic media	DES, ZPD, District allied department, state Govt, Central Govt,

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Tikamgarh	Nil	-	-	-

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Cultivars	Area (ha)	Number of beneficiaries
Tikamgarh	Paddy	JR-201	102	65
Tikamgarh	Soybean	JS-95 60	47000	105
Tikamgarh	Black gram	IPU 94-1	56000	150
Tikamgarh	Gram,	JG-130, 11, 16	25000	60
Tikamgarh	Wheat	GW-322, 366, 273	87000	20
Tikamgarh	Mustard	Rohani, Pusa Bold	23000	40

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Tikamgarh	Oilseeds-Mustard (Rohani) , soybean(JS-95-60)	31 (16+15)	90
Tikamgarh	Pulses- Black gram (IPU 94-1) & Chickpea (JG-16)	40 (20+20)	50
Tikamgarh	Cereals- Wheat (GW 322)	12	12
Tikamgarh	Total	83	152

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Tikamgarh	Dairy Management	07	153
Tikamgarh	Disease management	10	162
Tikamgarh	Feed and fodder technology	03	81
Tikamgarh	Poultry management	01	23

Seed distribution in drought hit states

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Tikamgarh	Soybean	7.20	10	24
Tikamgarh	Wheat	4.80	5	12
Tikamgarh	Mustard	1.00	20	60
Tikamgarh	Chickpea	7.20	10	24
Tikamgarh	Black gram	1.0	5	12
Tikamgarh	Sesame	0.05	5	10

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Tikamgarh	Vegetables	Tomato	Narendra-3 (5000), NS 815 (4000)	9000
Tikamgarh	Vegetables	Brinjal	Pant Samarath (5000), Janak (2500)	7500
Tikamgarh	Vegetables	Chilli	US 515(5000) , S-415 (5000)	10000
Tikamgarh	Vegetables	Cabbage	Hamant	2500
Tikamgarh	Vegetables	Cauliflower	Amazing,(Hy.)	2500

Bio-control Agents

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

Bio-Fertilizer

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

Verns Produced

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

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Tikamgarh	In-situ moisture conservation through deep ploughing	348	242
Tikamgarh	Use of fertilizers as per recommendation through soil health card		
Tikamgarh	Early maturing varieties of soybean-JS 95-60	15000	6800
Tikamgarh	SRI method of transplanting in paddy	25	152
Tikamgarh	Soybean Ridge bed planting method of sowing with variety JS -9560	37000	524
Tikamgarh	Black gram variety IPU-94-1 with Ridge bed planting method of sowing	36	125
Tikamgarh	Sesame variety TKG-308 line sowing and INM	24	102
Tikamgarh	Wheat variety-GW 322 with SWI and zero tillage	20	22
Tikamgarh	Chickpea variety JG-16 with ridge bed planting method and IPM	12	12
Tikamgarh	Mustard- SMI	25	12

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	08	2500	06	315	06	254	04	2513	02	2075	20	573

35. Progress report of f NICRA

1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield(q/ha)	% change in Yield	No. of farmers benefitted
Deep summer ploughing	NRM	30	12.07	67.40	24
Ridge and furrow method in sowing	NRM	20	14.07	68.43	24
Ridge and bed planting method of sowing	NRM	24	10.12	41.53	24
Sprinklers irrigation	NRM	05	39.16	22.23	12
Biogas plants	NRM	185	255	25.37	90
Soil testing	NRM	75	12.07	67.40	108
Crop production	Sesame	5	8.95	40.69	05
Crop production	Mustard	50	12.63	45.30	30
Crop production	Soybean	5	14.07	68.43	12
Crop production	Black gram	5	10.12	41.53	12
Vegetables production	Tomato-Rabi	0.2	256	25.30	15
Vegetables production	Chilli-Rabi	0.2	142	35.40	20
LPM (Male Goat)	Male Goat	10	-	-	10
LPM (Male Buffaloes)	Male Buffaloes	02	-	-	210

2. Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Crop production management	55	20	03	78
Information technology	35	10	01	46
Awareness and motivation	100	08	01	109
Motivation and awareness	200	75	03	278
Popularization and demonstration of improved technologies	175	39	01	215

3. Progress Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Crop production Technique in soybean	16	10	Nil	26
LPM	15	05	Nil	20
Integrated management of yellow mosaic in black gram	20	03	Nil	23
Seed treatment	21	06	Nil	26
IDM in ginger	22	07	Nil	29
LPM	20	05	Nil	25
IPM Brinjal	23	05	Nil	28
LPM	19	04	Nil	23
Crop production in mustard	26	03	Nil	29
Crop production in vegetables	22	10	Nil	32
Crop production in potato	16	05	Nil	21
Soil testing	19	04	Nil	23
LPM	20	05	Nil	25
LPM	18	04	Nil	22
Fruit production	21	04	Nil	25
Plant protection in vegetables	22	03	Nil	25
LPM	24	03	Nil	27
Crop production in chickpea	15	05	Nil	20
IDM in Okra	16	05	Nil	21

4. Activities for Fodder Bank

Established (Years)	Capacity	Current Status
Nil	Nil	Nil

5. Activities for Seed Bank

Established (Years)	Capacity	Current Status
Nil	Nil	Nil

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors
Dr. AhiHaran	JICA scientist	26-06-2015	Appreciation the NICRA activities and promised for the fund ensured provided for the project

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

36. Proposed works under NAIP (in NAIP monitoring format) - Nil

37. Case study / Success Story to be developed – Two best only in the following format

Farmer Become Agri-preneure through Crop diversification

Farmer Profile

- ❖ Name of farmer – MATHURA PRASAD KUSHAWAHA
- ❖ Age – 49 years
- ❖ Education – Graduate
- ❖ Farming experiences – 20 years
- ❖ Village – Kanti
- ❖ District – Tikamgarh
- ❖ Households – 2.0 ha
- ❖ No. of biogas plant – 03
- ❖ Major crops :
Kharif - Soybean and Blackgram
Rabi - Wheat and Mustard
- ❖ Major Vegetables:
Kharif - Brinjal and chilli
Rabi - Tomato and onion
Summer - Bitter gourd
- ❖ Livestocks (No.) 06 Buffaloes













Dissemination Process

- ❖ His remunerative income was Rs. 49,500 due to cultivation of traditional field crops, due to drought, erratic rainfall and unavailability of water.
- ❖ The motivation and technological backstopping was provided by KVK scientist to over come from constraints of the farming.

Convergence

- ❖ The biogas plants were established with the subsidy of Rs. 13500/- from the Central Government, State Government department and IFFCO.

Success point

- ❖ After irrigation facilities, he started to grown of horticulture crops (ginger, Kharif-onion, brinjal, tomato, chilli, colocasia, potato and marigold) on his one ha. Land from this type of diversification his production increased.
- ❖ He also used drip irrigation in vegetable production

Out come (Rs.)

IFS Components	Before	After
	2009-10	2014-15
Crop production	38,500	97,000
Vegetables production	8,000	46,000
Dairy	3,000	32,000
Total (Rs.)	49,500	1,75,000



Impact

- ❖ NICRA Smart Farmer 2014-15 (ZPD VII) on ICAR foundation day 2014
- ❖ Scientific Advisory Committee Member (KVK) from 2010
- ❖ District Best farmer Awarded (ATMA) Department of Agriculture Tikamgarh in 2014-15
- ❖ He motivated to 155 Farmers to establish biogas plants in village.
- ❖ 155- biogas plants provided biogas slurry (@25 kg./biogas plants X 3875 kg./ day) and saved the 25% of the use of chemical fertilizers
- ❖ Total biogas produced (3 m³ X 155=465 kg.biogas/day)
- ❖ The reduction in disease recorded specially in cooking women (Cough 27.78%, Headache 23.01%, respiratory 18.18% and eye infection 28.75%)
- ❖ The use of bio-gas slurry to sustain the soil health and to improve the quality of vegetables as organic produce.
- ❖ Promotion of natural resource management, conservation of forest and ecological environment balance
- ❖ The village-Kanti towards smoke free.

कांटी के हर घर में गोबर गैस

महाश्वशी (मोहरी) गाँव में 155 किसानों को गोबर गैस प्लांटों की स्थापना के लिए प्रोत्साहित किया गया। यह प्रकल्प किसानों को रासायनिक उर्वरकों का उपयोग कम करने और पौधों की रक्षा करने में मदद करता है।



Popularization






JAWAHARLAL NEHRU KRISHI VISHWAVIDYALAYA
KRISHI VIGYAN KENDRA
TIKAMGARH (M.P.) ZONE - VII



Name of the KVK, TITLE, Introduction, KVK intervention, Output, Outcome, Impact

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

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