

# **ANNUAL ACTION PLAN OF THE KVKs IN ZONE VII**

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## **Instructions for Filling the Format**

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”.**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only Standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format mentioning “Additional Information”**
- 9. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**

# **Note for Annual Action Plan 2017-18**

1) Kindly fill up only targeted/ proposed information for Annual Action Plan-from 1<sup>st</sup> April, 2014 to 31<sup>st</sup> March 2015 in the table no.1,(1.1,1.2,1.3,1.4), 2.1, 3.2, 3.4, 3.5, 4.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 6.0, 7.1, 7.2, 7.3, 7.4, 8.1, 9.0, 10.0, 11, 12.1, 12.2, 12.3, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29. Remaining of the column and tables will be filled up after completion of the work as Annual Progress Report.

2) Any other activities proposed not mentioned in this format may be incorporated in the last page with certain specification.

## PERIOD – April 2017 to March, 2018

### 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	78			
	FLDs – Oilseeds (activity in ha)					
	FLDs – Pulses (activity in ha)	2.6	30			
	FLDs – Cotton (activity in ha)					
	FLDs – Other than Oilseed and pulse crops(activity in ha)	1.20	20			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)					
	Training-Farmers and farm women	45	1125			
	Training-Rural youths	06	180			
	Training- Extension functionaries	06	175			
	Extension Activities	104	1011			
	Seed Production (Number of activity as seeds in quintal)	152.5				
	Planting material ((Number of activity as quantity of planting material in quintal)	111140	Mass			
	Seedling Production (Number of activity as number of seedlings in numbers)	208900	Mass			
	Sapling Production (Number of activity as number of sapling in numbers)					
	Other Bio- products (No. of quantity)	810 q	100			
	Live stock products					
	Activities of Soil and Water Testing Laboratory	2100 Samples	10100			
	Rainwater Harvesting System					
	Kisan Mobile Advisory (KVK-KMA)	50	5172			
	SAC Meeting (Date & no. of core/ official members)					
	Literature to be Developed/Published	11	Mass			
	Convergence programmes / Sponsored programmes	04	Mass			
	Utilization of Farmers Hostel	02	20			

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					
	Details of KVK Agro-technological Park					
	Crop Cafeteria-	03	Mass			
	Farm Innovators- list of 10 farm innovators from the District					
	Status of Revolving Funds					
	Awards and Recognitions					
	Case study / Success Story to be developed	02	Mass			
	KVK Progressive Farmers interaction	06	Mass			
	Outreach of KVK in the District (No. of blocks, no. of villages)	10				
	Technology Demonstration under Tribal Sub Plan					
	KVK Ring	03				
	Important visitors to KVK	10				
	Status of KVK Website					
	Status of RTI					
	E-connectivity					
	Details of Technology Week Celebrations					
	Interventions on Drought Mitigation					
	Proposal of NAIP					
	Proposal of NICRA					
	Well labeled photographs					
	Other Activities					

## 1. GENERAL INFORMATION

### 1.1. Staff Position (as on date)

#### Summary of Staff position in KVKs on March, 2017

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Mahasamund	16	01	01	06	04	03	02	06	06	16	13

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
Mahasamund	Programme Coordinator	Dr. Satish Kumar Verma	Horticulture	Ph.D.	Horticulture	37400-67000/-9000 (AGP)	38800 + 9000 (AGP)	22/09/12	Permanent	GEN
Mahasamund	Subject Matter Specialist1	Shri Saket Dubey	Horticulture	M.Sc.	Horticulture	15600-39100/-5400 (AGP)	18240 + 5400 (AGP)	06.09.2012	Permanent	GEN
Mahasamund	Subject Matter Specialist2	Mr. Manish Kumar Singh	Agronomy	M.Sc.	Agronomy	15600-39100/-5400(AGP)	15,600 + 5400 (AGP)	17.09.2014	Permanent	GEN
Mahasamund	Subject Matter Specialist3	Er. Ravish Keshri	Soil & Water Engg.	M.E	Irrigation Water Mgmt Engg.	15600-39100/-5400(AGP)	15,600 + 5400 (AGP)	20.10.2014	Permanent	GEN
Mahasamund	Subject Matter Specialist4	Shri Kunal Chandrakar	Soil Science	M. Sc.	Soil Science	15600-39100/-5400(AGP)	15,600 + 5400 (AGP)	16.09.2014	Permanent	OBC
Mahasamund	Subject Matter Specialist5	Vacant								
Mahasamund	Subject Matter Specialist6	Vacant								
Mahasamund	Programme Assistant	Mr. S. M. Ali Humayun	Entomology	M.Sc.	Entomology	9300 - 34600/-4200(AGP)	9300 + 4200 (AGP)	27.10.2014	Permanent	GEN
Mahasamund	Farm Manager	Vacant	-	-	-	-	-	-	-	-
Mahasamund	Computer Programmer	Smt.Punitha Kartikeyan	Computer Science	MCA, M.Phil	Computer Science	9300 - 34600/-4200(AGP)	11010 + 4200 (AGP)	29/07/2013	Permanent	GEN

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
Mahasamund	Accountant / superintendent/AG-1	Shri.U. M .Uppadhaya	-	H.S.C.	-	5200 - 20200/- 2800 (GP)	12810 + 2800 (GP)	27/12/2013	Permanent	GEN
Mahasamund	Stenographer/AG-II	Shri Abdul Vakil	-	H. S. C.	-	5200- 20200/- 2400 (GP)	8050 + 2400 (GP)	08.09.2008	Permanent	GEN
Mahasamund	Driver	Shri B. P. Dhruw	-	Primary	-	5200- 20200/- 2200 (AGP)	12820 + 2800 (GP)	20/12/2005	Permanent	ST
Mahasamund	Driver	Mr.Rajesh Markandey	-	10th	-	5200- 20200/- 1900 (AGP)-	6400 + 1900 (GP)	02/04/2013	Permanent	SC
Mahasamund	Supporting staff (Messanger)	Shri Khayal Das Vaishnav	-	-	-	4750-7440 1300 (AGP)	6890 + 1300 (GP)	04/02/2006	Permanent	GEN
Mahasamund	Supporting staff (Watchman)	Shri Jeewan Lal Yadav	-	-	-	4750-7440 1300 (AGP)	6410 + 1300 (GP)	06.10.2008	Permanent	OBC

**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
Mahasamund	Chhattisgarh Plain	5	545	10,32,275	71.54%	SC- 139581 ST-279896	Marginal-156174 Small-36445 Large-1087	

S. No.	Particular	Area(ha)	Data
1	Geographical area	Thousands(ha)	496.30
2	Forest area	Thousands(ha)	110.20
3	Cultivable Waste land	Thousands(ha)	8.98
4	Pasture land	Thousands(ha)	29.73
5	Net cropped area	Thousands(ha)	268.12
6	Double crop area	Thousands(ha)	50.81
7	Total Crop Area	Thousands(ha)	318.93
8	Rainfall	mm	1434.20 mm



9	Area Khaif (2016-17)	Thousands(ha)	268.33
10	Major Crop in Kharif	Area, 000 ha	Paddy - 241.41 Blackgram - 11.05 Greengram - 3.91
11	Area Rabi (2016-17)	Thousands(ha)	50.60
12	Major Crop in Rabi	Area, 000 ha	Wheat - 2.48 Lathyrus - 3.81 Green gram - 1.83
13	Cropping Intensity	Per cent	119
14	Kharif Irrigated Area	Per cent	105.07
15	Rabi Irrigated Area	Per cent	41.72
16	Irrigated area on the basis of Source (Kharif 2016)	ha	39322 – Canal 6902 – Pond 843 – Open Well 52614 – Tube Well 5398 – Others
17	Irrigated area on the basis of Source (Rabi 2016-17)	ha	500 – Canal 3200 – Pond 840 – Open Well 35000 – Tube Well 3500 – Others
18	Total Population (on the basis of census 2011)	No/ Per cent	10,32,275 (10.32 Lakhs) [M - 511475 ; F - 520800] 13.51% – SC, 27.10% – ST 59.39 %– Others
19	Literacy Rate	Per cent	71.54 [M-83.01; F-60.37]
20	Farmers Family on the basis of Caste (Total 193706)	Per cent	11.98 – SC 26.47 – ST 61.54 – Others
21	Farmers Family on the basis of Land Holding	No.	156174 – Marginal 36445 – Small 1087 - Large
22	Total No. of Villages	No	1147
23	Total No. of Panchayat	No	545
24	Total No. of Block	No	05
25	Total No. of Tehsil	No	05

**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)
Mahasamund	Komakhan	2015-16	Bagbahara	45 Km	876	187
Mahasamund	Achhola	2015-16	Mahasamund	25 Km	3715	686

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

KVK Name	THRUST AREA
Mahasamund	Diversification of existing production systems for better profitability.
Mahasamund	Farm mechanization through improved agricultural implements.
Mahasamund	Introduction of community based quality seed and planting material.
Mahasamund	Income augmentation of resource poor farm women through small scale backyard enterprise.
Mahasamund	Reduction of cost of cultivation of existing major crop enterprises through better management practice.
Mahasamund	To enhance crop productivity and cropping intensity under rainfed and irrigated conditions.
Mahasamund	Improve riverbed cultivation through community based.
Mahasamund	Entrepreneurship development of rural youths and woman SHG members.
Mahasamund	Water management using micro irrigation
Mahasamund	Soil Test Based Crop Production System
Mahasamund	Soil health and Fertility Management
Mahasamund	Integrated Nutrient Management

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Mahasamund	High yield losses due to weeds and Pest	Participatory group discussion among the farmers and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	High drudgery farm implements	Participatory group discussion among the farmers and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	Poor household nutritional security of farm families	Participatory group discussion among the farmers and extension functionaries	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	Lack of knowledge and unawareness about proper agricultural produce storage.	Participatory group discussion among the farmers and extension functionaries	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	Low productivity of fish pond	Participatory group discussion among the farmers and extension functionaries	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	High yield losses due to weeds and Pest	Participatory group discussion among the farmers and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	High drudgery farm implements	Participatory group discussion among the farmers and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	Low yield due to Improper Nutrient Management	Participatory group discussion among the farmers and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali

## 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
Mahasamund	Kharif 2017	No onion production in Kharif Season	Assessment	Varietal Assessment	Onion	Irrigated		05	Assessment of Improved variety of Kharif Onion.				
Mahasamund	Kharif 2017	Lack of Production technology of Marigold through Cuttings	Assessment	Crop Production	Marigold	Irrigated		05	Assessment of Production technology of Marigold through Cuttings				
Mahasamund	Kharif 2017	Use of Traditional Practices for propagation of Turmeric	Assessment	Crop Production	Turmeric	Irrigated		05	Assessment of Turmeric Propagation through Plug Nursery Technique				
Mahasamund	Kharif 2017	Use of Unidentified Variety and Improper Management	Assessment	Crop Production	Tomato	Irrigated		05	Assessment of improved variety of Tomato				
Mahasamund	Kharif 2017	Low yield due to inadequate and imbalance use of fertilizer	Assessment	Integrated Nutrient Management	Paddy	Irrigated	50 q/ha.	05	Assessment of STCR based Integrated Nutrient Management in Paddy				

Mahasa mund	Kharif 2017	Imbalance Nutrient Management	Assessment	Integrated Nutrient Management	Paddy	Irrigated		05	Assessment of N- Nutrient saving by application of Urea briquettes in transplanted Paddy				
Mahasa mund	Rabi 2017-18	Imbalance Nutrient Management	Assessment	Nutrient Management	Mustard	Irrigated	12 q/ha.	05	Assessment of STCR based Nutrient Management in Mustard				
Mahasa mund	Kharif 2017	Less efficiency, problems of labour, high seed rate, non uniformity in seed sowing	Assessment	Small farm implement	Paddy	Irrigated	Margin al farmers	04	Assessment of eight row paddy drum seeder				
Mahasa mund	Kharif 2017	Less efficiency, high seed rate, non uniformity in seed sowing	Assessment	Farm mechanization	Paddy	Unirrigated	Small farmers	05	Assessment of seed cum fertiliser drill for line sowing of paddy				
Mahasa mund	Rabi 2017-18	Poor field preparation after two to three field operations in farmers practices	Assessment	Farm mechanization	Wheat	Irrigated	Small/ medium farmers	05	Assessment of the Rotavator for field preparation in Wheat				
Mahasa mund	Rabi 2017-18	High seed rate, non uniformity in seed rate, less efficiency, low water productivity	Assessment	Farm mechanization	Chickpea	Irrigated	Small/ medium farmers	05	Assessment of the inclined plate planter for yield enhancement and water productivity of chickpea				

Mahasamund	Kharif and Rabi 2017-18	Rat Problem in field crops and storage	Assessment	Non Insect Pest	Cereals and pulses	Rainfed/Irrigated		04	Monitoring of Rats Abundance, Damage & Management in different kharif and Rabi crops in Mahasamund District				
Mahasamund	2017-18	Low yield potential due to improper nutrient management	Assessment	Nutrient management	Black gram	Rainfed	10 q/ha	05	Assessment of nutrient management in Black gram				
Mahasamund	2017-18	Low yield due to improper nutrient management	Assessment	Nutrient management	wheat	Irrigated	15-20 q/ha	05	Assessment of top dressing of N on performance of wheat over local available varieties				
Mahasamund	2017-18	Low yield due to improper management practices	Assessment	Crop management	chickpea	Irrigated	10-15 q/ha	05	Assessment of components in system of chickpea intensification (SCI) on chickpea				
Mahasamund	2017-18	Low yield potential due to improper nutrient management	Assessment	Integrated nutrient management	Mustard	Irrigated	12-15 q/ha	05	Assessment of nutrient management on productivity & profitability of mustard during Rabi season in Mahasamund district				

**2.1a Recommendations of OFTs**

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

**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 (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP(T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)

### 3. Frontline Demonstrations

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

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

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
Mahasamund	Ginger	Crop Production	Improved Variety of Ginger	Training programmes, Field day	02	05	0.4
Mahasamund	Turmeric	Crop Production	Improved Variety of Turmeric	Training programmes	02	05	0.4
Mahasamund	Coriander	Crop Production	Improved Variety of Coriander	Training programmes, Field day	03	05	0.4
Mahasamund	Fenugreek	Crop Production	Improved Variety of Fenugreek	Training programmes	02	05	0.4
Mahasamund	Black Gram	INM	Demonstration on INM in Black Gram under Cluster FLD	Training programmes, Field day, News paper coverage	10	250	100
Mahasamund	Chickpea	INM	Demonstration on INM in Chickpea under Cluster FLD	Training programmes, Field day, News paper coverage	14	350	150
Mahasamund	Blackgram	Crop production	Use of improved variety 'PU-31' under Cluster FLD	Training programmes, Field day, News paper coverage	10	200	100
Mahasamund	Gram	Yield performance	Use of Improved variety 'JG-14' under Cluster FLD	Training programmes, Field day, News paper coverage	12	250	150

### 3.2 Details of FLDs to be implemented during 2017-18

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop-Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Mahasamund	Crop Production	Ginger	Kharif 2017	Improved Variety of Ginger	05	Suruchi								
Mahasamund	Crop Production	Turmeric	Kharif 2017	Improved Variety of Turmeric	05	Suroma								
Mahasamund	Crop Production	Coriander	Rabi 2017	Improved Variety of Coriander	05	Jawahar Dhania-1								
Mahasamund	Crop Production	Fenugreek	Rabi 2017	Improved Variety of Fenugreek	05	RMT-305								
Mahasamund	Integrated Nutrient Management	Black Gram	2017-18	Demonstration of Integrated nutrient management in Black Gram under Cluster-FLD	4.8	PU – 31								
Mahasamund	Integrated Nutrient Management	Chickpea	2017-18	Demonstration of Integrated nutrient management in Chickpea under Cluster-FLD	4.8.	JAKI-9218								
Mahasamund	Small farm implements	Paddy	Kharif 2017	Developed animal drawn biasi plough	05									
Mahasamund	Farm mechanization	Chickpea	Rabi 2017	Seed cum fertilizer drill for line sowing	05									



Mahasa mund	IPM	Paddy	Kharif 2017-18	IPM module	2 ha.	MTU-1010/ Swarna								
Mahasa mund	IPM	Chickpea	Rabi 2017-18	IPM module	2 ha.	Any Popular Variety								
Mahasa mund	Yield performance	Greengram	2017-18	Improved variety 'SML-668' with recommended package of practices	5.0	SML-668								
Mahasa mund	Yield performance	Gram	2017-18	Crop production increase by use of seed treatment, use of proper herbicide and timely irrigation	5.0	JG-14								

### 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

### 3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Mahasamund	Turmeric Ginger, Coriander	Field days	07	245	
		Farmers Training	15	326	
		Media coverage	01	Mass	
		Training for extension functionaries			

### 3.5 Details of FLD on crop hybrids.

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

## 4. Feedback System

### 4.1. Feedback of the Farmers to KVK

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

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

Name of KVK	Feedback basic of OFT on Technology Tested

## Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
<b>Thematic Areas for Training</b>	
CP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RY	Rural Youth
IS	Extension Personnel

## 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
Mahasamund	FW	PRA, Group Meeting, Field Visit	1.03.17 – 15.03.17	25

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

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Mahasa mund	FW	OFC	HOS	Production technology of Turmeric	01	01	25								
Mahasa mund	FW	OFC	HOS	Production technology of Ginger	01	01	25								
Mahasa mund	FW	OFC	HOS	Production technology of Coriander	01	01	25								
Mahasa mund	FW	OFC	HOS	Production technology of Fenugreek	01	01	25								
Mahasa mund	FW	OFC	HOO	Production technology of Marigold through Cuttings	01	01	25								
Mahasa mund	FW	OFC	HOV	Improved Production technology of Kharif Onion	01	01	25								
Mahasa mund	FW	OFC	HOS	Turmeric Propagation through Plug Nursery Technique	01	01	25								
Mahasa mund	FW	OFC	HOV	Tomato cultivation with drip and mulch	01	01	25								
Mahasa mund	FW	OFC	HOV	Improved Production Technology of Cowpea and Cluster bean	01	01	25								

Mahasa mund	FW	OFC	HOV	Improved Production Technology of Watermelon and Muskmelon	01	01	25									
Mahasa mund	FW	OFC	HOV	Improved Production technology of Cabbage and Cauliflower	01	01	25									
Mahasa mund	FW	OFC	HOV	Drip irrigation for Vegetable Cultivation	01	01	25									
Mahasa mund	FW	OFC	HOV	Improved Production technology of Chilly	01	01	25									
Mahasa mund	FW	OFC	HOV	Improved Production technology of Brinjal	01	01	25									
Mahasa mund	FW	ONC	SFM	Soil health and fertility management	1	1	25									
Mahasa mund	FW	ONC	INM	Integrated nutrient management in Rice	1	1	25									
Mahasa mund	FW	ONC	SFM	Vermicomposting technique	1	1	25									
Mahasa mund	RY	ONC	SFM	Importance of organic farming	1	1	25									
Mahasa mund	IS	OFC	SFM	Various techniques of organic farming	1	1	25									
Mahasa mund	FW	OFC	SFM	Procedure of soil sampling and soil testing	1	1	25									
Mahasa mund	FW	OFC	INM	Integrated nutrient management in wheat	1	1	25									
Mahasa mund	FW	OFC	INM	Integrated nutrient management in pulse crop	1	1	25									
Mahasa mund	FW	OFC	SFM	Preparation, importance and use of vermiwash	1	1	25									
Mahasa mund	FW	OFC	SFM	Biofertilizer production technology	1	1	25									
Mahasa mund	FW	OFC	SFM	Procedure of soil sampling and soil testing	1	1	25									
Mahasa mund	FW	ONC	SFM	Importance, production and use of Nadep compost	1	1	25									
Mahasa	FW	ONC	SFM	Importance and	1	1	25									

mund				advances of balance fertilization												
Mahasa mund	FW/R S/IS	ONC/OFC	AEG	Drip Irrigation System	03	01	(30+30+30)									
Mahasa mund	FW/R S/IS	ONC/OFC	AEG	Sprinkler irrigation system	03	01	(30+30+30)									
Mahasa mund	FW/R S/IS	ONC/OFC	AEG	Operation and maintenance of animal drawn machineries	03	01	(30+30+30)									
Mahasa mund	FW/R S/IS	ONC/OFC	AEG	Operation and maintenance of tractor drawn tillage implements	03	01	(30+30+30)									
Mahasa mund	FW/R S/IS	ONC/OFC	AEG	Operation and maintenance of tractor drawn sowing and planting implements	03	01	(30+30+30)									
Mahasa mund	FW	OFC	CP	Importance production technique of Soybean	1	1	25									
Mahasa mund	FW	OFC	AEG	Importance of watershed management	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Sesamum	1	1	25									
Mahasa mund	RY	OFC	AEG	Importance of soil & water conservation in Rainfed area	1	1	25									
Mahasa mund	FW	OFC	AEG	Importance of drip system in Rabi crop	1	1	25									
Mahasa mund	FW	OFC	CP	Irrigation management (at critical stage) for various crop	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Linseed	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Lathyrus	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Gram	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Lentil	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Mustard	1	1	25									
Mahasa	FW	OFC	SFM	Importance and of	1	1	25									

mund				organic farming												
Mahasa mund	FW	OFC	SFM	Various techniques of organic farming	1	1	25									
Mahasa mund	FW	OFC	CP	Importance production technique of Moong & Urd	1	1	25									
Mahasa mund	FW	OFC	PLP	IPM in Paddy	1	1	25									
Mahasa mund	FW	OFC	IPM	Management of Insect Pests of paddy	1	1	25									
Mahasa mund	FW	ONC	PLP	Discriminate use of insecticides	1	1	25									
Mahasa mund	FW	OFC	PLP	Management of Insect Pest of Pigeonpea	1	1	25									
Mahasa mund	FW	ONC	PLP	Importance of Predators and Parasites	1	1	25									
Mahasa mund	FW	OFC	IPM	Training on Rat Management	1	1	25									
Mahasa mund	FW	OFC	PLP	Management of Insect pests of Chickpea	1	1	25									
Mahasa mund	FW	OFC	IPM	IPM in Chickpea	1	1	25									
Mahasa mund	FW	OFC	PLP	Management of Insect pests of Mustard	1	1	25									
Mahasa mund	FW	ONC	PLP	Management of pests of Greengram	1	1	25									
Mahasa mund	FW	ONC	PLP	Training on Rat Management	1	1	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						
Mahasamund	Repair, Maintenance and field operation of tillage equipments	Farm Mechanization	Tillage implements	25 (150 h)												

**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 elsewhere
		Type of units	Number of units	Number of persons employed	

**Table 5.5. 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.)
							Others		SC		ST			
							M	F	M	F	M	F		

**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		

**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	



## 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			
Mahasamund	Field Day	08										
Mahasamund	Kisan Mela	02										
Mahasamund	Kisan Ghosthi	06										
Mahasamund	Exhibition	03										
Mahasamund	Film Show	04										
Mahasamund	Method Demonstrations											
Mahasamund	Farmers Seminar											
Mahasamund	Workshop	01										
Mahasamund	Group meetings	06										
Mahasamund	Lectures delivered as resource persons	10										
Mahasamund	Newspaper coverage	06										
Mahasamund	Radio talks	04										
Mahasamund	TV talks	02										
Mahasamund	Popular Articles	06										
Mahasamund	Extension Literature	05										
Mahasamund	Farm Advisory Services	12										
Mahasamund	Scientific visit to farmers field	36										
Mahasamund	Farmers Visit to KVK	500										
Mahasamund	Diagnostic Visits	04										
Mahasamund	Exposure Visits	10										
Mahasamund	Ex-trainees Sammelan	01										
Mahasamund	Soil Health Camp	02										
Mahasamund	Animal Health Camp											
Mahasamund	Agri Mobile Clinic											
Mahasamund	Soil Test Campaigns	02										
Mahasamund	Farm Science Club conveners meet											
Mahasamund	Self Help Group conveners meetings	01										

## 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
Mahasamund	TL	Turmeric	Suroma	SD	40	qtl		
Mahasamund	TL	Ginger	Suprabha	SD	40	qtl		
Mahasamund	TL	Coriander	Gujarat Dhania-1	SD	2	qtl		
Mahasamund	TL	Fenugreek	RMT-305	SD	2	qtl		
Mahasamund	Certified	Pigeonpea	Rajivlochan	SD	12	qtl		
Mahasamund	Certified	Til	TKG-306	SD	6.5	qtl		
Mahasamund	Certified	Moog	SML-668	SD	10	qtl		
Mahasamund	Certified	Urd	PU-31	SD	7	qtl		
Mahasamund	Certified	Mustard	CG Saroon	SD	10	qtl		
Mahasamund	Certified	Linched	Indix Alsi-32	SD	8	qtl		
Mahasamund	Certified	Gram	JU-14	SD	15	qtl		

### 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	Type of Produce	Qty.	Cost of inputs	Gross income	
Mahasamund	Fruit	Papaya				Red Lady		50000	0	0	Planting Material will be produced under MGNAR EGA projects and as per the mandate
Mahasamund	Fruit	Karonda				Local		5000	0	0	
Mahasamund	Fruit	C.Apple				Local		5000	0	0	
Mahasamund	Fruit	Fig				Poona Selection		20	0	0	
Mahasamund	Fruit	Pomegranate				Bhagwa		20	0	00	
Mahasamund	Fruit	Guava				A.Safeda		100	0	0	
Mahasamund	Fruit	Tamarind				Local		1000	0	0	

Mahasamund	Flower	Marigold				Pusa Basanti Pusa Narangi		5000	0	0	s of MGNAR EGA it will be distribut ed free of cost to the farmers
Mahasamund	Vegetables	Drumstick				PKM-1		50000	0	0	
Mahasamund	Vegetables	Tomato,brinjal Chilli,Onion, Cabbage ,Cauliflower, Bottle Gourd, Bitter Gourd, Watermelon				Improved Variety/ Hybrids		20390 0	0	0	

### 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	
Mahasamund	BIOAGENTS				
Mahasamund	BIOFERTILIZERS	810 q.	500/- q	81000-	
Mahasamund	BIO PESTICIDES				

### 7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle	<b>Gir</b>					
	Buffalo						
	Sheep and Goat	<b>Barberi</b>					
	Poultry						
	Fisheries	<b>Rohu,Katla</b>					
	Others (Specify)						

## 8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then KVK Mahasamund has a mini Soil testing lab

Year of establishment : -2016-17

### 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
Mahasamund	Soil Sample	2000	10000	55		Soil Analyst
Mahasamund	Water Sample	100	100	20		

## 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/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total

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

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Mahasamund	30	5172	100	As per Crop and Situation

## 11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Mahasamund	Proposed in 1 <sup>st</sup> Week of June		

## 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
Mahasamund	01.04.2017	Quarterly	500	495
Mahasamund	01.07.2017	Quarterly	500	495
Mahasamund	01.10.2017	Quarterly	500	495
Mahasamund	01.01.2018	Quarterly	500	495

### 12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Mahasamund	CD	Soil Health Card	50

### 12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper	01	Type	Title	Author's name	Number of copies
Technical bulletins	05				
Technical reports	02				
Popular article	10				
News paper coverage	10				
<b>Year Planner</b>	01				
Others (pl. specify) (Newsletter)	04				

### 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
Mahasamund	ATMA					
Mahasamund	MNREGA					
Mahasamund	NHM					
Mahasamund	RKVY					
Mahasamund	DRDA					
Mahasamund	Zila Panchyat					
Mahasamund	Seed Village					
Mahasamund	NAIP					
Mahasamund	Climate Change					
Mahasamund	Others (Plz. Specify)					

### 14. Utilization of Farmers Hostel.

Accommodation available (No. of beds): 20

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)

### 15. Utilization of Staff Quarters.

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

**16. Details of KVK Agro-technological Park –**

**a) Have you prepared layout plan, where sent?**

Sr No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
1.	Mahasamund	Kharif Crops - Yes	ZPD/DES/JP/DDA
2.	Mahasamund	Rabi Crops - Yes	ZPD/DES/JP/DDA
3.	Mahasamund	Orchard - Yes	ZPD/DES/JP/DDA/ADH

**b) Details about Technology Park**

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	We cultivate different crop for exhibition to the farmers
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

**c). Crop Cafeteria-**

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	Cultivation of crop for exhibition to the farmers	1
2.	Kharif Crops	1
3.	Rabi Crops	1
4.	Seasonal Vegetables	1
5.	Floriculture	1

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

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

**18. KVK interaction with progressive farmers-**

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	September	25
2	October	25
3	November	25
4.	December	25
5.	January	25

**19. Outreach of KVK**

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Mahasamund	03	02	10	535

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

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

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



**21. KVK Ring**

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	Mahasamund	Orchard,Fisheries,Mushroom	Orchard,Fisheries,Mushroom

**22. Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	Remarks

**23. Status of KVK Website:**

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
01	Mahasamund	February 2014	52	4400

**24. Status of RTI**

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

**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			

## 26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

## 27. INTERVENTIONS ON DROUGHT MITIGATION

### Introduction of alternate crops/varieties

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

### Major area coverage under alternate crops/varieties

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

		<b>Total</b>		
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**Farmers-scientists interaction on livestock management**

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

**Animal health camps to be organized**

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

**Seed distribution in drought hit states**

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

**Seedlings and Saplings to be distributed**

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

**Bio-control Agents**

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

**Bio-Fertilizer**

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Mahasamund	Vermicompost and Nadep Compost	8100	50	100

**Vermis Produced**

Name of KVK	Vermis Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Mahasamund	36 kg	0.36 q	36	72

**Large scale adoption of resource conservation technologies**

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

**Awareness Campaign**

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
Mahasamund	3	75	3	75	2	100	1	1000				

## 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

### 2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

### 3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

### 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.)
Mahasamund	63011331023	81,473	4,35,837	

**31. Awards & Recognitions**

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

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

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

**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)