

ANNUAL ACTION PLAN OF THE KVKs IN ZONE IX

2019-20



Indira Gandhi Krishi Vishwavidyalaya
Krishi Vigyan Kendra, Mahasamund



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PERIOD – April 2019 to March, 2020

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	11				
	FLDs – Oilseeds (activity in ha)					
	FLDs – Pulses (activity in ha)	3	26			
	FLDs – Cotton (activity in ha)	-	-			
	FLDs – Other than Oilseed and pulse crops(activity in ha)	3	11			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)					
	Training-Farmers and farm women	80	1000			
	Training-Rural youths	04	120			
	Training- Extension functionaries	04	200			
	Extension Activities	12	1000			
	Seed Production (Number of activity as seeds in quintal)	152.5				
	Planting material ((Number of activity as quantity of planting material in quintal)	100000	Mass			
	Seedling Production (Number of activity as number of seedlings in numbers)	200000	Mass			
	Sapling Production (Number of activity as number of sapling in numbers)					
	Other Bio- products (No. of quantity)	3000q	100			
	Live stock products	04	20			
	Activities of Soil and Water Testing Laboratory	1000 Samples	4000			
	Rainwater Harvesting System					
	Kisan Mobile Advisory (KVK-KMA)	50	25000			
	SAC Meeting (Date & no. of core/ official members)	01	30			
	Literature to be Developed/Published	10	Mass			
	Convergence programmes / Sponsored programmes	03	300			
	Utilization of Farmers Hostel	02	30			
	Utilization of Staff Quarters	-	-			

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	
	Details of KVK Agro-technological Park	03	501			
	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	03	220			
	Outreach of KVK in the District (No. of blocks, no. of villages)	05	20			
	Technology Demonstration under Tribal Sub Plan	-	-			
	KVK Ring	03				
	Important visitors to KVK	20				
	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, 2019

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	06	03	02	06	06	16	15

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)	40240 + 9000 (AGP)	22.09.2012	Permanent	GEN
Mahasamund	Subject Matter Specialist 1	Shri. H. S. Tomar	Agronomy	M.Sc.	Agronomy	15600-39100/-5400 (AGP)	18950 + 5400 (AGP)	13.11.2007	Permanent	GEN
Mahasamund	Subject Matter Specialist 2	Shri. Saket Dubey	Horticulture	M.Sc.	Horticulture	15600-39100/-5400 (AGP)	18950 + 5400 (AGP)	06.09.2012	Permanent	GEN
Mahasamund	Subject Matter Specialist 3	Dr. Arvind Kumar Nandanwar	LPM	MV.Sc.	LPM	15600-39100/-5400 (AGP)	18950 + 5400 (AGP)	24.09.2012	Permanent	GEN
Mahasamund	Subject Matter Specialist 4	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 Specialist 5	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 Specialist 6	Dr. Nivedita Pathak	Home Science	Ph.D.	Home Science	15600-39100/-5400(AGP)	27340 + 5400 (AGP)	27.01.1995	Permanent	GEN
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	Computer Programmer	Smt.Punitha Kartikeyan	Computer Science	MCA, M.Phil	Computer Science	9300 - 34600/-4200(AGP)	11470 + 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 Wakil	-	H. S. C.	-	5200- 20200/- 2400 (GP)	8370 + 2400 (GP)	08.09.2008	Permanent	GEN
Mahasamund	Driver	Shri B. P. Dhruw	-	Primary	-	5200- 20200/- 2200 (AGP)	13290 + 2800 (GP)	20/12/2005	Permanent	ST
Mahasamund	Driver	Mr.Rajesh Markandey	-	10th	-	5200- 20200/- 1900 (AGP)-	6650 + 1900 (GP)	02/04/2013	Permanent	SC
Mahasamund	Supporting staff (Messanger)	Shri Khayal Das Vaishnav	-	8th	-	4750-7440 1300 (AGP)	7140 + 1300 (GP)	04/02/2006	Permanent	GEN
Mahasamund	Supporting staff (Watchman)	Shri Jeewan Lal Yadav	-	5th	-	4750-7440 1300 (AGP)	6650 + 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
9	Area Khaif (2017-18)	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	Lafinkhurd	2017	Mahasamund	14	2271	630
Mahasamund	Saradih	2017	Mahasamund	15	2380	421

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 in (2019-20)

KV K na me	Ye ar	Seas on	Problem diagnose	Title of OFT	Category of technolog y (Assessme nt/ Refineme nt)	Title of Technology/Variety			The matic Area	Crop/ enterp rise	Farming Situatio ns	Tar get	No. of trials	Results (with parameter)			Net Returns (Rs./ha)			Recomm endation s
						T1	T2	T3						FP (T ₁)	R P (T ₂)	T 3	F P (T ₁)	R P (T ₂)	T 3	
Ma has am und	20 19	Khar if	Lack of availability of Planting Material	Assessment of Marigold propagation through Cuttings	Assessment				Crop Produc tion	Marigold	Rainfed	05	05							
Ma has am und	20 19	Khar if	Use of papaya variety “Red Lady”	Assessment of Improved Variety of Papaya	Assessment				Crop Produc tion	Papaya	Rainfed	05	05							
Ma has am und	20 19- 20	Rabi	More number of Staminate Flowers resulting in lower productivity	Assessment of Enhancement of Staminate flowers in Bottle Gourd by application of Ethrel	Assessment				Crop Produc tion	Bottle Gourd	Irrigated	05	05							
Ma has am und	20 19	2019 -20	Lack of awareness on cheap farming practices, Non- availability of high quality protein due to poor	Assessment of popularization of quail farming to provide supplemental income and protein to rural farmers.	Assessment				Evaluat ion of breeds	Quail	----	05	05							

			purchasing capacity																	
Ma has am und	20 19- 20	2019 -20	Low milk production due to lack of supplementary feeding of dairy animals	Assessment of UMMB (Urea molasses mineral block) as supplementary feed on milk production in milch animal					Feed management	dairy animals	Irrigated	05	05							
Ma has am und	20 19	Kharif-	Imbalance use of fertilizer	Assessment of SHC based Nutrient Management in Paddy (Var.- Maheshwari ,TY- 50 q/ha.)					Nutrient Management	Paddy Var.- Maheshwari	Rainfed	05	05							
Ma has am und	Ra bi	2019 -20	Imbalance use of fertilizer	Assessment of SHC based Integrated Nutrient Management in Wheat (Var.- GW-273 yield- 30 q/ha.)					Nutrient Management	Wheat Var.- GW-273	Rainfed	05	05							

Ma has am und	Kh arif	2019	Non availability of under 10 years early maturing variety of Rice	Assessment of under testing cultivar RRF- 105 of IGKV Raipur with Trichoderma and Dry Seeded Rice Technique					Crop Produc tion	Rice variety RRF-105	Rainfed	07	07						
Ma has am und	Ra bi	2019 -20	Low productivity due to late sown by broadcast	Assessment of high yielding variety of wheat under late sown irrigated conditions					Integra ted crop manag ement	wheat	Irrigated	05	05						
Ma has am und	Jay ad	2019 -20	Wastage of mango fruit in surplus condition and low income of farm family	Assessment of different value added product from Mango for income generation of farm women					Income Genera tion	mango	---	04 Pro dcut	04 Prodc ut						
Ma has am und	Ra bi	2019 -20	Low income of self help group ,wastege of Mushroom in surplus condition	Assessment of preparation different value added product from Mushroom production for income generation of self help group					Income Genera tion	Mushroo m	----	04	04						
Ma has am und	Kh arif	2018	Use of high seed rate coupled with heavy infestation of weeds in	Assessment of crop management practices in line sowing direct seeded					Integra ted crop manag ement	biasi system of rice	Irrigated	05	05						

			biased system of rice cultivation. Sometime crop fails due to drought situation occurred at the time of biased, In Mahasamund district about 43% comes under biased system.	rice															
Mahasamund	Kharif/Rabi	2019-20	Rat Problem in field crops and storage	Monitoring of Rats Abundance, Damage & Management in different kharif and Rabi crops in Mahasamund District	Assessment				Non Insect Pest	Paddy	Rainfed/Irrigated	04	04						

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	RP (T2)	RP (T3)	FP	RP (T2)	RP (T3)	FP	RP(T2)	RP (T3)	FP	RP (T2)	RP (T3)

		(T1)			(T1)			(T1)			(T1)		

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2018-19)

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	Mustard	Improved Variety	Demonstration on Improved Variety	Method Demonstration	20	61	50
Mahasamund	Blackgram	INM	Demonstration on INM	Training programmes	12	270	120
Mahasamund	Chickpea	INM	Demonstration on INM	Training programmes	15	270	160
Mahasamund	Chickpea	IPM	IPM Module	Training programmes, Field day	02	05	20

3.2 Details of FLDs to be implemented during 2019-20

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Ent erprises	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers					
								FP (T ₁)	RP (T ₂)		SC	ST	Other s	Genera l	Tota l	
Mahasamund	2019- 20	2019- 20	Livestock production and management	Demonstratio n of poultry bird kadaknath as backyard system	kadaknath	kadaknath	10									

Mahasamund	2019-20	2019-20	Nutrient management	Demonstration impact of mineral mixture supplementation on milk yield in dairy cow	dairy cow	dairy cow	10										
Mahasamund	2019	Kharif	Crop Production	Demonstration on Improved Variety of Ginger	Ginger	Suprabha	05										
Mahasamund	2019-20	Rabi	Crop Production	Demonstration of Improved Variety of Cowpea	Cowpea	Kashi Kanchan	05										
Mahasamund	2019	Kharif	Integrated Nutrient management	Demonstration of weed Management on INM in Black Gram	Black Gram (PU-31)	INM	12										
Mahasamund	2019-20	Rabi	Integrated Nutrient management	Demonstration on INM in Chickpea	Chickpea	INM	12										
Mahasamund	Kharif Rabi 2019-20	Kharif Rabi 2019-20	Nutritional Security	Demonstration on Kitchen garden in 200 m2 area for farm family against malnutrition in farm women	Kitchen garden	Kitchen garden	05										

Mahasamund	2019-20	Rabi	Income Generation	Demonstration on Nadep compost production for Income Generation of farm women	Nadep compost production	Nadep compost production	05										
Mahasamund	2019-20	Rabi	Integrated Weed Management	Demonstration of Weed Management in Summer Groundnut	Groundnut	Weed Management	12										
Mahasamund	2019-20	Rabi	Integrated Weed Management	Demonstration of Weed Management in Blackgram(PU-31)	Blackgram(PU-31)	Weed Management	12										
Mahasamund	2019-20	Rabi	Crop Production	Demonstration of Improved Variety of Coriander (Gujarat Dhania-1)	Coriander	Improved Variety of Coriander (Gujarat Dhania-1)	05										
Mahasamund	2019-20	Rabi	Crop Production	Demonstration of Improved Variety of Fenugreek (RMT-305)	Fenugreek	Improved Variety of Fenugreek (RMT-305)	05										
Mahasamund	2019	Kharif	IPM	IPM Module	Paddy	Swarna/MTU1010	02										
Mahasamund	2019-20	Rabi	IPM	IPM Module	Chickpea	Any Popular	02										

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	Paddy, Chickpea, Wheat, Blackgram & Mustard	Field days	05	200	
		Training	10	250	
		Media Coverage	02	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
Thematic Areas for Training	
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			

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		
Mahasamund	FW	OFC	Crop Production	Importance of summer deep Plugging and green Mannering.	1	1	25								
Mahasamund	FW	OFC	HOS	Production technology of Turmeric	01	01	25								
Mahasamund	FW	OFC	HOS	Production technology of Ginger	01	01	25								
Mahasamund	FW	OFC	HOS	Production technology of Coriander	01	01	25								
Mahasamund	FW	OFC	HOS	Production technology of Fenugreek	01	01	25								
Mahasamund	FW	OFC	HOO	Production technology of Marigold through Cuttings	01	01	25								
Mahasamund	FW	OFC	HOF	Improved Production technology of Papaya	01	01	25								
Mahasamund	FW	OFC	HOS	Turmeric Propagation through Plug Nursery Technique	01	01	25								
Mahasamund	FW	OFC	HOV	Marigold Propagation through Cuttings	01	01	25								
Mahasamund	FW	OFC	HOV	Improved Production Technology of Cowpea and Cluster bean	01	01	25								
Mahasamund	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	OFC	HOS	Improved Production technology Seed Spices	01	01	25								
Mahasa mund	FW	OFC	Crop Production	SRI Method of Rice.	1	1	25								
Mahasa mund	FW	OFC	Crop Production	Improved Cultivation Practices of Black Gram.	1	1	30								
Mahasa mund	FW	OFC	Crop Production	Improved Cultivation Practices of Kharif Groundnut.	1	1	25								
Mahasa mund	FW	OFC	Crop Production	Weed & Water Management in Rice.	1	1	25								
Mahasa mund	FW	OFC	Crop Production	Weed & Water Management in Black Gram and Groundnut.	1	1	25								
Mahasa mund	FW	OFC	Crop Production	Improved Cultivation Practices of Mustard.	1	1	30								
Mahasa mund	FW	OFC	Crop Production	Improved Cultivation Practices of Chickpea	1	1	25								
Mahasa mund	FW	OFC	Crop Production	Weed & Water Management in gram and Mustard	1	1	25								
Mahasa mund	FW	OFC	Crop Production	Improved Cultivation Practices of Summer Groundnut	1	1	30								
Mahasa mund	FW	OFC	Crop Production	Weed & Water Management in Summer Groundnut.	1	1	25								

Mahasa mund	FW	OFC	Crop Production	Improved Cultivation Practices of Sesamum.	1	1	30									
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	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 Blackgram	1	1	25									
Mahasa mund	FW	OFC	INM	Vermicomposting technique	1	1	33									
Mahasa mund	FW	OFC	INM	Integrated nutrient management in Rice	1	1	25									
Mahasa mund	FW	OFC	CRP	Soil health and fertility management	1	1	35									
Mahasa mund	FW	OFC	INM	Integrated nutrient management in pulse crop	1	1	19									
Mahasa mund	FW	OFC	INM	Procedure of soil sampling and soil testing	1	1	27									
Mahasa mund	FW	OFC	CRP	Importance of organic farming	1	1	25									
Mahasa mund	FW	OFC	INM	Integrated nutrient management in wheat	1	1	32									
Mahasa mund	FW	OFC	INM	Various composting technique	1	1	40									
Mahasa mund	FW	OFC	NM	Importance and advances of balance fertilization	1	1	31									
Mahasa mund	FW	OFC	INM	Biofertilizer production technology	1	1	52									
Mahasa mund	RY	OFC	NM	Procedure of soil sampling and soil	1	1	23									

				testing													
Mahasa mund	IS	OFC	INM	Importance, production and use of Nadep compost	1	1	30										
Mahasa mund	FW	OFC	CRP	Various techniques of organic farming	1	1	35										
Mahasa mund	FW	OFC	INM	Preparation, importance and use of vermiwash	1	1	45										
Mahasa mund	FW	OFC	WOE	Training on Health care in summer season through Kachhe am ka pana,pasiya ,Sattu etc.	1	2	20										
Mahasa mund	FW	OFC	WOE	Training on different value added product from mango like pickle, RTS, aam papad.	1	2	15										
Mahasa mund	FW	OFC	WOE	Training on production technology Of NADEP Compost	1	1	25										
Mahasa mund	FW	OFC	WOE	Training on production technology of Oyster Mushroom	1	04	20										
Mahasa mund	FW	OFC	WOE	Training on safe drinking water.in Rainy season	1	1	11										
Mahasa mund	FW	OFC	WOE	Training on Nutritional garden in kharif 2019-20 Training on diet plan for adolescent girl	1	1	14										
Mahasa mund	FW	OFC	WOE	Training on composting of biodegradable waste under SWM .	1	2	08										
Mahasa mund	FW	OFC	WOE	Training on use of water in nutritional	1	2	36										

				Garden and decomposition of bio waste through compost under SWM .													
Mahasa mund	FW	OFC	WOE	Value addition of Aonla chilli and other winter vegetables	1	1	17										
Mahasa mund	FW	OFC	WOE	Training on value addition of Mushroom	1	1	25										
Mahasa mund	FW	OFC	WOE	Production technology of Paddy Straw Mushroom	1	1	13										
Mahasa mund	FW	ONC	INM	Technique of soil health card based fertilizer application in different crops	1	1	25										
Mahasa mund	FW	OFC	INM	Importance and advances of balance fertilization	1	1	25										
Mahasa mund	FW	OFC	CRP	Integrated nutrient management in Paddy	1	1	25										
Mahasa mund	FW	OFC	INM	Procedure and importance of seed treatment through Biofertilizer	1	1	25										
Mahasa mund	FW	OFC	INM	Integrated nutrient management in pulse crop	1	1	25										
Mahasa mund	FW	OFC	CRP	Importance and of Procedure of soil sampling	1	1	25										
Mahasa mund	FW	OFC	INM	Integrated nutrient management in wheat	1	1	25										
Mahasa	FW	OFC	INM	Various composting	1	1	25										

mund				technique												
Mahasa mund	FW	ONC	NM	Vermicomposting and NADEP making technique	1	1	25									
Mahasa mund	FW	ONC	INM	Soil health and fertility management	1	1	25									
Mahasa mund	FW	ONC	NM	Procedure of soil sampling and soil testing	1	1	25									
Mahasa mund	FW	OFC	INM	Importance, production and use of Nadep compost	1	1	25									
Mahasa mund	FW	ONC	INM	Preparation, importance and use of vermiwash	1	1	25									
Mahasa mund	FW	OFC	LPM	Poultry Feeding management	1	1	25									
Mahasa mund	FW	OFC	LPM	Poultry housing and disease management	1	1	25									
Mahasa mund	FW	ONC	LPM	Quail brooding management	1	1	25									
Mahasa mund	FW	ONC	LPM	Quail rearing and its economics	1	1	25									
Mahasa mund	FW	ONC	LPM	Advantage of mineral mixture and its role in reproduction	1	1	25									
Mahasa mund	FW	OFC	LPM	How to make urea molasses mineral block and its benefit	1	1	25									
Mahasa mund	FW	ONC	LPM	Preparation of silage and its advantage	1	1	25									
Mahasa mund	FW	OFC	LPM	How to make hay for proper health and	1	1	25									

				production of animals											
Mahasa mund	FW	OFC	LPM	Round the year fodder production for continuous feed to animal	1	1	25								
Mahasa mund	FW	ONC	LPM	Importance of green fodder related to health, production and reproduction	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	Value Addition of Fruits and Vegetables														
Mahasamund	Mushroom Production														

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		
Mahasamund	Vermicompost Producer				200 hrs	01							ASCI	Expected to Receive in 2019-20
Mahasamund	Mushroom Grower				200 hrs	01						ASCI		
Mahasamund	Nursery Worker / Gardener				200 hrs	01						ASCI		
Mahasamund	Orchard Management & Maintenance				4	01						SAMETI Raipur		

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	03										
Mahasamund	Kisan Ghosthi	06										
Mahasamund	Exhibition	03										
Mahasamund	Film Show	04										
Mahasamund	Method Demonstrations	15										
Mahasamund	Farmers Seminar	2										
Mahasamund	Workshop	01										
Mahasamund	Group meetings	06										
Mahasamund	Lectures delivered as resource persons	10										
Mahasamund	Newspaper coverage	10										
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	01										
Mahasamund	Agri Mobile Clinic	01										
Mahasamund	Soil Test Campaigns	02										
Mahasamund	Farm Science Club conveners meet	01										
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	Certified	Pigeonpea	Rajivlochan	SD	12	qtl		
Mahasamund	Certified	Til	TKG-308	SD	6.5	qtl		
Mahasamund	Certified	Blackgram	PU-31	SD	7	qtl		
Mahasamund	Certified	Mustard	CG Saroon	SD	10	qtl		
Mahasamund	Certified	Chickpea	JG-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 / Honey Gold	PM				
Mahasamund	Fruit	Fig				Poona Selection	PM				
Mahasamund	Fruit	Pomegranate				Bhagwa	PM				
Mahasamund	Fruit	Guava				A.Safeda	PM				
Mahasamund	Fruit	Tamarind				Local	PM				
Mahasamund	Flower	Marigold				Pusa Basanti	Pusa Narangi				
Mahasamund											
Mahasamund											

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	
Mahasamund	Cattle	Gir	Milk				
Mahasamund	Buffalo						
Mahasamund	Sheep and Goat	Barberi	Live Goat				
Mahasamund	Poultry	Kadakhnath	Chicks				
Mahasamund	Fisheries	Rohu, Katla, Mrigal					
Mahasamund	Others (Specify)	Ducks	Chicks				
Mahasamund	Bater	Quail	Egg, Chicks Birds				

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 st Week of May		

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	01.04.2018	Quarterly	500	500
Mahasamund	01.07.2018	Quarterly	500	500
Mahasamund	01.10.2018	Quarterly	500	500
Mahasamund	01.01.2018	Quarterly	500	500

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Mahasamund	CD	Soil Health Card	50
Mahasamund	CD	Mushroom Production	01
Mahasamund	CD	Vermicompost	01

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
		Type	Title	Author's name	Number of copies
Research Paper	01	Full Length			
Technical bulletins	05				
Technical reports	02				
Popular article	12				
News paper coverage	10				
Year Planner	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)
Mahasamund	Crop Cafeteria	We cultivate different crop for exhibition to the farmers
Mahasamund	Technology Desk	
Mahasamund	Visitors Gallery	
Mahasamund	Technology Exhibition	
Mahasamund	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	04	03	12	668

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
Mahasamund	Gosthies			
Mahasamund	Lectures organized			
Mahasamund	Exhibition			
Mahasamund	Film show			
Mahasamund	Fair			
Mahasamund	Farm Visit			
Mahasamund	Diagnostic Practical's			
Mahasamund	Distribution of Literature (No.)			
Mahasamund	Distribution of Seed (q)			
Mahasamund	Distribution of Planting materials (No.)			
Mahasamund	Bio Product distribution (Kg)			
Mahasamund	Bio Fertilizers (q)			

Mahasamund	Distribution of fingerlings (No)			
Mahasamund	Distribution of Livestock specimen (No.)			
Mahasamund	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		
		Total		

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
Seedlings				

Bio-control Agents

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

Bio-Fertilizer

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

Verms Produced

Name of KVK	Verms 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

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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)