

ANNUAL PROGRESS REPORT

April 2013 to March 2014

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REPORTING PERIOD – April 2013 to March 2014
Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	On Farm Testing			
	Proposed OFT	10	38	
	On Going OFT	-	-	
	Technologies assessed (Completed OFT)	10	38	
	Technologies refined	-	-	
	On farm trials conducted	10	38	
2	Frontline demonstrations			
	Proposed Frontline demonstrations	16	102	
	On Going Frontline demonstrations	10	72	
	FLDs conducted on crops	10	72	
	Area under crops (ha.)	24.62	72	
	FLD on farm implement and tools	4	20	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	-	-	
	FLD on Fisheries - Finger lings	1	4	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-	-	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	1	6	
3	Training programmes	No. of Course	Duration (days)	Participants
	Farmers	52	52	1503
	Farm women	15	15	315
	Rural youth	-	-	-
	Extension personnel/ In service	5	5	150
	Vocational trainings	3	6	60
	Sponsored Training	30	30	1123
	Total	105	108	3151
		No. of programmes	Participants	
4	Extension Programmes	61	5190	
5	Production of technology inputs etc	Qty	Beneficiaries (nos.)	
	Seed (qt.)	8.48	-	
	Planting material produced (nos.)	-	-	
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- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)		Vermi Compost – 5q	-
	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)		1	1
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)		14	Mass
	KVK News letter		4	Mass
	SAC Meetings conducted		1	23
	Soil sample tested		-	-
	Water sample tested		-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)		-	-
	KVK-KMA (Message and beneficiaries)		55	5172
	Convergence programmes		-	-
	Sponsored programmes		-	-
	KVK Progressive Farmers interaction		3	158
	No. of Technology Week Celebrations		2	320
	Attended HRD activities organized by ZPD		2	2
	Attended HRD activities organized by DES		5	7
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)		-	-
9	Current status of Revolving Funds (Amt. in Rs.)			94,317
10			No. of blocks	No. of villages
	Outreach of KVK in the District		5	1108
11			ICAR	SAU Others
	No. of important visitors to KVK (nos.)		3	1 5
12			Working (Yes/No)	No. of Update
	Status of KVK Website		No	-
13			Application received	Application disposed
	Status of RTI (nos.)		Nil	Nil
14			Query received	Query dissolved
	Citizen Charter (nos.)		3	3
15			Working (Yes/No)	No. of programme viewed
	E-Connectivity		No	-
16			Filled	Vacant
	Staff Position		12	4
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)			7
18	Publication received from ICAR /other organization (nos.)			5
19			Particulars	Organization
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)		-	-

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2014

KVK Name	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Mahasamund	16	1	0	6	5	3	2	6	5	16	12

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/Others)
Mahasamund	Programme Coordinator	Dr. Rekha Singh I/c Programme Coordinator								
Mahasamund	Subject Matter Specialist - 1	Dr. Rekha Singh	Home Science	Ph.D.	Food & Nutrition	15600-39100/- 6000(AGP)	23,790-6000/-	24/10/07	Permanent	GEN
Mahasamund	Subject Matter Specialist - 2	Dr. Narendra Agrawal	Soil & Water Engg.	Ph.D.	Soil & Water Engg.	15600-39100/- 5400(AGP)	15,600-5400/-	06/09/12	Permanent	GEN
Mahasamund	Subject Matter Specialist - 3	Dr. Saugat Sasmal	Fisheries	Ph.D.	Aquaculture	15600-39100/- 5400(AGP)	15,600-5400/-	06/09/12	Permanent	GEN
Mahasamund	Subject Matter Specialist - 4	Mr. Sandeep Kumar Bhoi	Agronomy	M.Sc.	Agronomy	15600-39100/- 5400(AGP)	15,600-5400/-	07/09/12	Permanent	OBC
Mahasamund	Subject Matter Specialist - 5	Ms. Pushpa Lata Tirkey	Horticulture	M.Sc.	Horticulture	15600-39100/- 5400(AGP)	15,600-5400/-	07/09/12	Permanent	ST
Mahasamund	Subject Matter Specialist – 6	Vacant	-	-	-	-	-	-	-	-
Mahasamund	Programme Assistant	Smt.Puniitha Kartikeyan	Computer Science	MCA, M.Phil	Computer Science	9300-34600/- 4200(AGP)	9300-4200/-	29/07/13	Permanent	GEN
Mahasamund	Farm Manager	Mr. Kunal Chandrakar	Soil Science	M.Sc.	Soil Science	9300-34600/- 4200(AGP)	9300-4200/-	14/09/12	Permanent	OBC
Mahasamund	Computer Programmer	Vacant	-	-	-	-	-	-	-	-

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Mahasamund	Accountant / superintendent	Mr.U.M.Uppadhaya	-	H.S.C.	-	5200-20200/-2800 (AGP)	11,900/-2800/-	27/12/13	Permanent (Attached to Registrar office, IGKV, Raipur)	GEN
Mahasamund	Stenographer	Shri Mahendra Bahpagaria	-	M.Com L.L.B	-	5200-20200/-2800 (AGP)	11,810/-2800/-	18.01.08	Permanent	OBC
Mahasamund	Driver	Shri B. P. Dhruw	-	Primary	-	5200-20200/-2200 (AGP)	11,480-2800/-	20/12/05	Permanent	ST
Mahasamund	Driver	Mr.Rajesh Markandey	-	10th	-	5200-20200/-1900 (AGP)-	5200/-1900/-	02/04/13	Permanent	SC
Mahasamund	Messenger	Shri Khayal Das Vaishnav	-	-	-	4750-7440 AGP- 1300)	6180/-1300/-	04/02/06	Permanent	GEN

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	492	10,32,754	61.77%	SC- 13.51% ST-27.10% Others-59.39%	Marginal-80.63% Small-18.82% Large-0.56%	

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)	8.21
4	Pasture land	Thousands(ha)	29.56
5	Net cropped area	Thousands(ha)	268.07
6	Double crop area	Thousands(ha)	50.75
7	Total Crop Area	Thousands(ha)	318.82
8	Rainfall	mm	1200-1400 mm
9	Area Khaif (2012-13)	Thousands(ha)	266.44
10	Major Crop in Kharif	Per cent	88.53 – Rice 4.45 – Urd 2.59 – Groundnut 4.43 - Others
11	Area Rabi (2012-13)	Thousands(ha)	52.38
12	Major Crop in Rabi	Per cent	56.71 – Summer Rice 15.45 – Lathyrus 11.78 – Horticultural Crops 2.56 – Wheat 2.42 – Maize

			11.08 – Others
13	Cropping Intensity	Per cent	118.93
14	Kharif Irrigated Area	Per cent	39.00
15	Rabi Irrigated Area	Per cent	14.00
16	Irrigated area on the basis of Source (Kharif)	Per cent	54.47 – Canal 11.06 – Pond 1.20 – Open Well 28.49 – Tube Well 4.77 – Others
17	Irrigated area on the basis of Source (Rabi)	Per cent	9.60 – Canal 9.12 – Pond 3.63 – Open Well 70.30 – Tube Well 7.34 – Others
18	Total Population (on the basis of census 2011)	No/ Per cent	10,32,754 13.51 – SC 27.10 – ST 59.39 – Others
19	Literacy Rate	Per cent	61.77
20	Farmers Family on the basis of Caste	Per cent	11.98 – SC 26.48 – ST 61.54 – Others
21	Farmers Family on the basis of Land Holding	Per cent	80.63 – Marginal 18.82 – Small 0.56 - Large
22	Total No. of Villages	No	1200
23	Total No. of Panchayat	No	492
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	Virajpali	2013	Bagbahra	43 km	2200	90
Mahasamund	Kotanpali	2013	Bagbahra	44 km	1700	78

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

KVK Name	THRUST AREA
Mahasamund	Crop diversification in uplands.
Mahasamund	Soil conservation and water harvesting.
Mahasamund	To enhance crop productivity and cropping intensity under rainfed and irrigated conditions.
Mahasamund	Improve riverbed cultivation.
Mahasamund	Promote allied activities to generate employment opportunities.
Mahasamund	Utilization of eroded wasteland.

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

KVK Name	Problem identified	Methods of problem identification
Mahasamund	1. Low productivity due to less productive variety, sowing methods, fertilizer Management	Participatory group discussion among the farmers and extension functionaries.
	2. High yield losses due to weeds and Pest	Participatory group discussion among the farmers and extension functionaries.
	3. Monocropped rice cropping system in rain fed situation	Participatory group discussion among the farmers and extension functionaries.
	4. Low working efficiency in agricultural operations	Participatory group discussion among the farmers and extension functionaries.
	5. Lack of efforts on soil & moisture conservation	Participatory group discussion among the farmers and extension functionaries.
	6. Improper composting techniques	Participatory group discussion among the farmers and extension functionaries.
	7. High drudgery farm implements	Participatory group discussion among the farmers and extension functionaries.
	8. Poor household nutritional security of farm families	Participatory group discussion among the farmers and extension functionaries
	9. Low milk productivity of cattle	Participatory group discussion among the farmers and extension functionaries
	10. Lack of knowledge and unawareness about proper agricultural produce storage.	Participatory group discussion among the farmers and extension functionaries
	11. Low productivity of fish pond	Participatory group discussion among the farmers and extension functionaries
	12. Low efficiency of existing rural information delivery system	Participatory group discussion among the farmers and extension functionaries

2. On Farm Testing

2.1 Information about OFT

KVK name	Year/ season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/ enterprise	Farming Situation	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	Farmer practice T1	Rec. Tech T2
Mahasamund	2013-14 Kharif	Use of high seed rate coupled with heavy infestation of weeds in biasi system Sometimes crop fails due to drought situation occurred at the time of biasi.	Assessment	Integrated crop management	Paddy	Rainfed	01	04	Evaluation of improvement in <i>Biasi</i> cultivation of rice through crop management.	41.9	43.3	30389	33023
Mahasamund	2013-14 Kharif	Use of high seed rate coupled with heavy infestation of weeds in line sown rice.	Assessment	Integrated crop management	Paddy	Rainfed	01	04	Evaluation of improvement management practices in Line Sown Direct Seeded Rice.	39.8	41.7	26638	30027
Mahasamund	2013-14 Kharif Rabi	Fields remain fallow after long duration rice	Assessment	Integrated crop management	Paddy-Gram	Rainfed	01	04	Assessment of Rice-based Cropping Systems Under Limited (one) Irrigation During Rabi	42.8	54.87	31568	40879.7
Mahasamund	2013-14	Low productivity due to Lack of improved variety.	Assessment	Varietal Trial	Groundnut	Irrigated	01	04	Assessment of improved variety (JL-24) of Groundnut.	Awaited			

Mahasamund	2013-14 Kharif	No use of mulch	Assessment	Crop Management	Chilly	Irrigated	01	04	Assessment of Silver-Black mulching with drip irrigation system for the cultivation of Chilly.	183.4	220.8	33860	44320
Mahasamund	2013-14 Kharif	Low yielding variety	Assessment	Varietal Replacement	Chilly	Irrigated	01	04	Assessment of high yielding variety of Chilli (Indira Mirchi -1).	174	197.5	30900	37400
Mahasamund	2013-14	Low survival rate at nursery ponds (Dabry)	Assessment	Production of fish seed	Fish	Rainfed	01	02	Increase survival rate of fry at nursery pond through control of aquatic insects	No control measures	56 lit diesel + 18 kg soap over one ha	22750	86500
Mahasamund	2013-14 Rabi	More Cost, Labour, Time and Less yield in furrow irrigation	Assessment	Micro-irrigation	Maize	Irrigated	01	02	Assessment of fertigation through in-line drip irrigation system in Maize.	Awaited			

2.2 Economic Performance

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	Check (T ₁)	Demo (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)
Mahasamund	Evaluation of improvement in <i>Biasi</i> cultivation of rice through crop management.	Paddy	Grain Yield (q/ha)	41.9	45.3	24500	23700	54889	59343	30389	35643	2.24	2.50
Mahasamund	Evaluation of improvement management practices in Line Sown Direct Seeded Rice.	Paddy	Grain Yield (q/ha)	39.8	41.7	24600	25500	52138	54627	26638	30027	2.11	2.14
Mahasamund	Assessment of Rice-based Cropping Systems Under Limited (one) Irrigation During Rabi	Paddy-Gram	Grain Yield (q/ha)	42.8	59.76	24500	33500	56068	78287	31568	44787	2.28	2.33
Mahasamund	Assessment of improved variety (JL-24) of Groundnut.	Groundnut	Awaited	-	-	-	-	-	-	-	-	-	-

Mahasamund	Assessment of Silver-Black mulching with drip irrigation system for the cultivation of Chilly.	Capsicum	Yield (q/ha)	183.4	220.8	39500	44000	73360	88320	33860	44320	1.86	2.01
Mahasamund	Assessment of high yielding variety of Chilli (Indira Mirchi -1).	Chilly	Yield (q/ha)	48.2	55.7	13100	10280	19280	22280	6180	12000	1.47	2.16
Mahasamund	Increase survival rate of fry at nursery pond through control of aquatic insects	Fish	No control measures, 56 lit diesel + 18 kg soap over one ha	81.0	251.0	33500	44750	56250	131250	22750	86500	1.67	2.93
Mahasamund	Assessment of fertigation through in-line drip irrigation system in Maize.	Maize	Awaited	-	-	-	-	-	-	-	-	-	-

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
MSD	2013-14	Kharif	Low income of farm women due to high mortality of vegetable seedlings.	Farm women empowerment through improved nursery management	Assessment	Nursery management	Nursery raising of improved variety of vegetables	Vegetable	Irrigated	06	-
MSD	2013-14	Rabi	Low income of farm family due to unawareness of other sources of income generation.	Assessment of Mushroom production technology as an alternative source of income	Assessment	WOE	Indira Sweta, Avg Yield of 79.40% biological efficiency	45-50 days with three picking starts from 25 days after spawning.	-	04	-

2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	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 (seedlings/100sqm)		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	T1	T2		
MSD	Farm women empowerment through improved nursery management.	-	-	-	-	-	-	-	-	-	-	-	90000 (seedlings/100sqm)	-	6000	-	-	-	90000	-	210000	-	3.5		
MSD	Assessment of Mushroom production technology as an alternative source of income	-	-	-	-	-	-	-	-	-	-	5.6 kg/4 Unit	-	100	-	-	-	5.6 kg/ 4 Unit		348	-	3.48			

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Mahasamund	<ol style="list-style-type: none"> All the farm women are appreciated the performance of hi-tech raising of nursery through polybags and pro-trays. Farm women get benefited through cultivation of Oyster Mushroom and ready to multiply the units. Farmers complain for lack of systematic marketing channel.

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
Mahasamund	Mushroom cultivation	Mushroom production	Appropriate technology and production practices will be demonstrated (6- unit/4bags) for each farm women	Demonstration, training, extension literature, CD show and field visit	02	20	80 unit
Mahasamund	Drudgery reduction	Wheel hoe	Weeding through wheel hoe against the farmers practice(manual)	Demonstration, training, extension literature, CD show and field visit	02	12	2.0
Mahasamund	Moong	Varietal evaluation	Demonstration of variety HUM-16	Demonstration, training, extension literature, CD show and field visit	10	40	20.0
Mahasamund	Gram	Varietal evaluation & Improved Production Practices	Demonstration of improved wilt resistant variety JG-218 and Jaki- 9218 in Line sowing method	Demonstration, training, extension literature, CD show and field visit	05	165	50.0
Mahasamund	Wheat	Varietal evaluation & Improved Production Practices	Demonstration of improved variety HD- 2932 in Line sowing method	Demonstration, training, extension literature, CD show and field visit	06	40	30.0
Mahasamund	Lathyrus	Varietal evaluation & Improved Production Practices	Demonstration of improved variety Prateek	Demonstration, training, extension literature, CD show and field visit	03	150	50.0
Mahasamund	Linseed	Varietal evaluation & Improved Production Practices	Demonstration of improved variety Deepika (RLC-92)	Demonstration, training, extension literature, CD show and field visit	02	60	20.0
Mahasamund	Green Pea	Varietal evaluation & Improved Production Practices	Demonstration of improved variety Shubhra	Demonstration, training, extension literature, CD show and field visit	02	20	10.0

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
								FP (T ₁)	RP (T ₂)		SC	ST	Oth	Gen	Total
Mahasamund	2013	Kharif	Varietal replacement	Popularization of Samleshwari variety of paddy	Paddy	Samleshwari	2.0 ha	39.5	41.3	4.55	-	-	5	-	5
Mahasamund	2013	Kharif	Varietal replacement	Demonstration of Improved variety of Urd (TU-94-2).	Urd	TU – 94 - 2	2.0 ha	6.1	7.2	18.03	-	4	2	-	6
Mahasamund	2013-14	Rabi	Varietal replacement	Demonstration of improved variety of Lathyrus "Maha tiwda".	Lathyrus	Maha tiwda	2.0 ha	4.8	6.5	35.41	-	5	-	-	5
Mahasamund	2013	Kharif	Farm Mechanization	Demonstration of Seed cum fertilizer drill for line sowing of Paddy.	Paddy	Seed cum fertilizer drill	2.0 ha	37.8	42.5	12.4	-	-	5	-	5
Mahasamund	2013	Kharif	Farm Mechanization	Demonstration of Seed cum fertilizer drill for line sowing of Urd.	Urd	Seed cum fertilizer drill	2.0 ha	5.8	6.9	18.9	-	-	5	-	5
Mahasamund	2013-14	Rabi	Farm Mechanization	Demonstration of Zero till Seed cum fertilizer drill for sowing of Wheat.	Wheat	Zero till Seed cum fertilizer drill	2.0 ha	19.8	24.2	22.2	-	5	-	-	5
Mahasamund	2013-14	Rabi	Farm Mechanization	Demonstration of Zero till Seed cum fertilizer drill for sowing of Tiwda	Lathyrus	Zero till Seed cum fertilizer drill	2.0 ha	5.7	6.8	19.29	-	5	-	-	5

Mahasamund	2013-14	Rabi	Integrated Crop Management	Use of IPM module in control of Fruit and Shoot Borer in Brinjal	Brinjal	Mukta Kesri	0.4 ha	232	290	20.00	-	4	1	-	5
Mahasamund	2013	Kharif	Integrated Pest Management	Demonstration on damping off in vegetable nursery management	Vegetable	Vegetables	0.02	90000	81300	10.70	-	5	1	-	6
Mahasamund	2013-14	Kharif and Rabi	Pisciculture	Study on fish production through composite fish culture system in village pond.	Catala, Rohu and Mrigal	Composite fish culture	2.0	5.04	19.84	74.80	1	2	1	0	4
Mahasamund	2013-14	Rabi	Variety Replacement	Demonstration of Improved variety of Wheat	Wheat	Ratan	3.2	18.7	23.3	24.60	-	8	-	-	8
Mahasamund	2013-14	Rabi	Variety Replacement	Demonstration of Improved variety of Chickpea	Chickpea	JG-14	5.0	9.5	11.3	18.95	-	12	-	-	12
Mahasamund	2013-14	Rabi	Variety Replacement	Demonstration of Improved variety of Fieldpea	Fieldpea	Ambika	4.0	8.9	10.5	17.98	-	10	-	-	10
Mahasamund	2013-14	Rabi	Variety Replacement	Demonstration of Improved variety of Safflower	Safflower	AK-207	4.0	6.5	7.9	21.54	-	10	-	-	10
Mahasamund	2013-14	Rabi	Variety Replacement	Demonstration of Improved variety of Mustard	Mustard	Pusa Bold	2.0	8.2	9.5	15.85	-	5	-	-	5

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)
Mahasamund	Popularization of Samleshwari variety of paddy	Paddy	Grain Yield q/ha	39.5	41.3	24000	25700	53127.5	55548.5	29127.5	29848.5	1.21	1.16
Mahasamund	Demonstration of Improved variety of Urd (TU-94-2).	Urd	Grain Yield q/ha	6.1	7.2	11000	12500	26230	30960	15230	18460	1.38	1.48
Mahasamund	Demonstration of improved variety of Lathyrus "Maha tiwda".	Lathyrus	Grain Yield q/ha	4.8	6.5	5000	5500	12000	16250	7000	10750	1.40	1.95
Mahasamund	Demonstration of Seed cum fertilizer drill for line sowing of Paddy.	Paddy	Grain Yield q/ha	37.8	42.5	24000	24500	50841	57162.5	26841	32662.5	1.12	1.33
Mahasamund	Demonstration of Seed cum fertilizer drill for line sowing of Urd.	Urd	Grain Yield q/ha	5.8	6.9	11000	12500	24940	29670	13940	17170	1.27	1.37
Mahasamund	Demonstration of Zero till Seed cum fertilizer drill for sowing of Wheat.	Wheat	Grain Yield q/ha	19.8	24.2	12600	14000	27720	33880	15120	19880	1.20	1.42

Mahasamund	Demonstration of Zero till Seed cum fertilizer drill for sowing of Tiwda.	Lathyrus	Grain Yield q/ha	5.7	6.8	6500	5000	14250	17000	7750	12000	1.19	2.40
Mahasamund	Use of IPM module in control of Fruit and Shoot Borer in Brinjal	Brinjal	q/ha	232	265	50000	48000	92800	106000	42800	58000	0.86	1.21
Mahasamund	Demonstration on damping off in vegetable nursery management	Vegetables	Seedling / 100 sqm	90000	81300	5500	4500	27000	24390	21500	19890	4.42	4.58
Mahasamund	Study on fish production through composite fish culture system in village pond.	Catala, Rohu and Mrigal	Proper utilization of all ecological niches	No species ratio	Catla 40%, Rohu 30%, Mrigal 30%	9100	18100	25200	99200	16100	81100	2.76	5.48
Mahasamund	Demonstration of Improved variety of Wheat	Wheat	Grain Yield q/ha	18.7	23.3	12600	14000	26180	32620	13580	18620	1.08	1.33
Mahasamund	Demonstration of Improved variety of Chickpea	Chickpea	Grain Yield q/ha	9.5	11.3	13000	14700	29450	35030	16450	20330	1.27	1.38
Mahasamund	Demonstration of Improved variety of Fieldpea	Fieldpea	Grain Yield q/ha	8.9	10.5	10500	13500	26700	31500	16200	18000	1.54	1.33
Mahasamund	Demonstration of Improved variety of Safflower	Safflower	Grain Yield q/ha	6.5	7.9	8500	10400	19500	23700	11000	13300	1.29	1.28
Mahasamund	Demonstration of Improved variety of Mustard	Mustard	Grain Yield q/ha	8.2	9.5	8500	11900	25010	28500	16510	16600	1.94	1.39

3.4 Information about Home Science FLDs:

KVK name	Year	Season	Thematic Area	Problem Identified	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Enterprizes	Technology to be Demonstrated as Solution to the Identified Problem	Farming Situation	Proposed area (ha)	No. of Beneficiaries
MSD	2013-14	Kharif and Rabi,	Women in agriculture		Improved variety seeds and planting material.	Vegetables	Demonstration on Kitchen Garden.	Irrigated	200 sq m	6

3.5 Economic Performance Home Science FLDs:

KVK name	FLD Title	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 (q/200 sqm) of the year		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		
MSD	Demonstration on Kitchen Garden	-	-	-	-	-	-	-	-	-	-	-	-	3500	2500	-	-	40	22	12000	6600	3.42	2.64

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop/Technology	Activity	No. of activities organized	Number of participants	Remarks
Mahasamund	Paddy, Urd, Wheat, Lathyrus, Brinjal, Zero till seed cum fertilizer drill, Seed cum fertilizer drill, Mulching, Fertigation through drip	Farmers Training	12	64	
Mahasamund	Vegetables	Farm Women Training	03	56	
Mahasamund		Field Days	03	92	
Mahasamund		Training for extension functionaries	08	176	

3.7 Details of FLD on crop hybrids. - Nil

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

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology	Methodology used	Benefits of OFT/FLD	Future Adoption
Mahasamund		Zero Till Seed Cum Fertilizer Drill	Lesser time compared to traditional method	Farmers are convinced with these technologies and ready to adopt the new technology.
Mahasamund		Seed Cum Fertilizer Drill	Lesser time compared to broadcasting method	All Farmers are appreciated the performance of the demonstration and ready to adopt the new technology.
Mahasamund		Improve crop management /variety replacement	Line sowing perform better yield, Intial control of weeds direct affect the yield	All the farmers appreciated the performance of the demonstration and ready to adopt the new technology.

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Mahasamund	Mulching reduces the water evaporation by interfacing the radiation falling on the soil surfaces and thus delays the drying of the soil and reduces the soil thermal regime during day time.
Mahasamund	In fertigation, nutrients are applied through emitters directly into the zone of maximum root activity and consequently fertilizer-use efficiency can be improved over conventional method of fertilizer application.
Mahasamund	The estimation of seed rate depends on the vegetative/tillering habit of the plants. In field trial Swarna shows better yield compare to same cultivar whereas, MTU-1010 was not show significant increase over farmer practices in direct seeded line sowing.
Mahsamund	The use of ICM was found effective to manage the weed over the traditional method by solving the problem of unavailability of labour in time.

4.3 Documentation of the need assessment conducted by the KVK for the training programme

KVK Name	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Mahasamund	FW	Field visit & Group Discussion	Saraipali	10
Mahasamund	FW	Field visit & Group Discussion	Virajpali	16
Mahasamund	FW	Field visit & Group Discussion	Mahasamund	12
Mahasamund	FW	Field visit & Group Discussion	Barekel	15
Mahasamund	FW	Field visit & Group Discussion	Beltukri	14
Mahasamund	FW	Field visit & Group Discussion	Paraswani	15
Mahasamund	FW	Field visit & Group Discussion	Bhalesar	20
Mahasamund	FW	Field visit & Group Discussion	Bijradih	18
Mahasamund	FW	Field visit & Group Discussion	Jivtara	14
Mahasamund	FW	Field visit & Group Discussion	Gopalpur	16
Mahasamund	FW	Field visit & Group Discussion	Hatigarh	19

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	
CRP	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
RYH	Rural Youth
EXP	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, 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)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Mahasamund	FW	ONC	WOE	Training on Household food security by kitchen gardening and nutrition gardening	01	01	25	-	2	-	12	-	8	-	3
Mahasamund	FW	ONC	WOE	Training on Value addition	02	01	25	-	3	-	11	-	9	-	2
Mahasamund	FW	ONC	WOE	Training on Location specific drudgery reduction technologies	01	01	25	-	2	-	15	-	7	-	1
Mahasamund	FW	OFC	WOE	Training on Income generation activities for empowerment of rural Women	01	01	25	-	2	-	10	-	9	-	4
Mahasamund	FW	ONC	WOE	Training on Minimization of nutrient loss in processing	01	01	30	-	3	-	16	-	8	-	3
Mahasamund	FW	ONC	WOE	Training on Design and development of low/minimum cost diet	01	01	20	-	2	-	10	-	6	-	2

Mahasamund	FW	ONC	WOE	Training on Designing and development for high nutrient efficiency diet	02	01	20	-	1	-	12	-	6	-	1
Mahasamund	FW	OFC	WOE	Training on Rural Crafts	02	01	25	-	2	-	13	-	7	-	3
Mahasamund	FW	ONC	WOE	Training on women and child care	01	01	30	-	2	-	17	-	9	-	2
Mahasamund	FW	ONC	WOE	Training on minimizing nutrient loss in vegetables.	01	01	30	-	1	-	16	-	12	-	1
Mahasamund	FW	ONC	WOE	Training on reducing drudgery.	01	01	30	-	3	-	18	-	8	-	1
Mahasamund	FW	ONC	WOE	Training on value addition in surplus fruit and vegetable.	01	01	30	-	1	-	17	-	9	-	3
Mahasamund	FW	OFC	CRP	Important agronomic practices before Kharif sowing.	01	01	25	-	-	2	9	16	5	-	-
Mahasamund	FW	OFC	CRP	Use of culture and seed treatment in different crops.	01	01	25	-	-	-	-	6	-	19	-
Mahasamund	FW	OFC	CRP	Nursery management in Rice.	01	01	25	8	1	3	-	6	1	10	-
Mahasamund	FW	OFC	SFM	Importance of bio-fertilizer and green manuring.	01	01	25	10	-	6	-	2	-	25	-
Mahasamund	FW	OFC	CRP	Improved production technique of different Kharif crops.	01	01	25	-	-	2	7	5	-	10	6
Mahasamund	FW	OFC	CRP	Integrated weed management in Rice and other crops.	01	01	25	-	-	9	-	2	-	24	-
Mahasamund	FW	OFC	CRP	Integrated nutrient management in Paddy.	01	01	25	-	-	-	-	45	-	-	-
Mahasamund	FW	OFC	CRP	Techniques for increase crop area in rainfed condition.	01	01	25	3	-	2	-	2	-	22	-

Mahasamund	FW	OFC	CRP	Improved production technique of Rabi crops.	01	01	25	8	2	4	1	3	2	7	3
Mahasamund	FW	OFC	CRP	Water management in crops.	01	01	25	5	2	4	1	4	1	6	2
Mahasamund	RY	OFC	CRP	Importance of seed production.	01	01	25	2	-	7	-	5	-	11	-
Mahasamund	IS	OFC	CRP	Importance , production and use of Vermi-compost	01	01	25	7	-	-	-	-	-	25	-
Mahasamund	FW	OFC	CRP	Water management in crops.	01	01	25	9	2	4	1	3	1	8	2
Mahasamund	RY	OFC	CRP	Importance of seed production.	01	01	25	8	-	6	-	5	-	15	-
Mahasamund	IS	OFC	CRP	Importance , production and use of Vermi-compost	01	01	25	-	-	-	-	-	-	24	-
Mahasamund	FW	OFC	AEG	Water Management in Kharif Crops.	01	01	25	6	-	5	-	10	-	8	-
Mahasamund	FW	OFC	AEG	Water Management in Rabi crops.	01	01	25	5	-	4	-	8	-	7	-
Mahasamund	FW	OFC	AEG	Importance and use of drip system in vegetable production.	01	01	25	4	-	5	-	16	-	7	-
Mahasamund	FW	OFC	AEG	In-line drip system for different vegetable crops.	01	01	25	6	-	9	-	12	-	4	-
Mahasamund	FW	OFC	AEG	Importance and use of mulching in vegetable production.	01	01	25	6	-	8	-	14	-	8	-
Mahasamund	FW	OFC	AEG	Production technology of different horticultural crops through Protected cultivation.	01	01	25	4	2	7	-	7	-	5	3
Mahasamund	FW	OFC	AEG	Use of tractor drawn rotavator for seed bed preparation.	01	01	25	7	-	10	-	6	-	14	-
Mahasamund	FW	OFC	AEG	Soil and Water conservation Techniques	01	01	25	5	-	7	-	6	2	4	1

Mahasamund	FW	OFC	AEG	Watershed management	01	01	25	4	-	8	-	6	-	10	-
Mahasamund	FW	OFC	AEG	Use of zero till seed cum fertilizer drill Lathyrus.	01	01	25	6	-	7	-	17	-	4	-
Mahasamund	RY	OFC	AEG	Soil and Water management in different crops.	01	01	25	3	-	7	3	8	-	4	-
Mahasamund	IS	OFC	AEG	Role of fertigation in Crop production and productivity	01	01	25	5	-	7	-	8	-	5	-
Mahasamund	FW	OFC	AEG	Use of seed cum fertilizer drill.	01	01	25	4	-	8	-	16	-	6	-
Mahasamund	FW	OFC	AEG	Use of zero till seed cum fertilizer drill in Wheat.	01	01	25	6	-	7	-	17	-	4	-
Mahasamund	FW	OFC	FIS	Nursery pond management.	02	01	40	1	0	6	7	9	13	4	0
Mahasamund	FW	OFC	FIS	Use of lime at stocking pond.	01	01	40	0	0	3	2	8	4	16	0
Mahasamund	FW	OFC	FIS	Fish species selection for composite fish culture.	01	01	50	2	0	14	2	12	3	6	2
Mahasamund	FW	OFC	FIS	Natural food of fish.	01	01	25	2	0	3	0	10	0	17	0
Mahasamund	FW	OFC	FIS	Proper stocking of fingerlings in composite fish culture.	01	01	40	3	0	6	0	5	0	7	0
Mahasamund	FW	OFC	FIS	Different supplementary feeds and its application.	01	01	40	2	0	4	0	9	0	17	0
Mahasamund	FW	OFC	FIS	How to feed to fish.	01	01	40	1	0	2	0	5	1	10	0
Mahasamund	FW	OFC	FIS	Physico-chemical parameters of fish pond.	01	01	40	1	0	4	0	7	2	7	0
Mahasamund	FW	OFC	FIS	Preservation of live fish.	01	01	25	0	0	4	0	6	0	5	0
Mahasamund	FW	OFC	FIS	Fish health management.	01	01	40	2	0	3	0	3	0	9	0

Mahasamund	FW	OFC	HOV	Post harvest technology of vegetable crop	01	01	25	-	-	5	3	4	4	1	1
Mahasamund	FW	OFC	HOF	Identification of physiological disorder in fruit crop.	01	01	30	-	-	4	5	5	3	2	2
Mahasamund	FW	OFC	HOV	Preparation of nursery techniques	01	01	25	-	-	3	1	7	4	3	-
Mahasamund	FW	ONC	HOV	Integrated pest management of vegetable crop	01	01	30	10	-	11	-	15	-	8	-
Mahasamund	FW	OFC	HOV	Insecticidal residue problem in vegetable	01	01	25	18	-	8	-	15	-	17	-
Mahasamund	FW	OFC	HOV	Assessment of damage /population of important insect – pest affecting vegetable	01	01	30	3	-	8	2	9	4	5	2
Mahasamund	FW	OFC	HOF	Important of summer plough in vegetable field	01	01	25	-	-	5	3	4	4	1	1
Mahasamund	FW	ONC	HOV	Application of herbicides in vegetable crops	01	01	20	2	-	1	5	-	13	6	10
Mahasamund	FW	ONC	HOV	Preparation of cropping scheme in vegetable crops	01	01	25	1	-	3	1	8	3	4	4
Mahasamund	FW	ONC	HOV	Harvesting ,Curing and processing techniques in bulb crops	01	01	30	5	1	1	-	2	-	-	-
Mahasamund	FW	ONC	HOV	Storage Techniques in vegetable crops	01	01	30	1	-	4	-	6	-	2	-
Mahasamund	FW	ONC	HOV	Planting techniques in horticultural crops	01	01	25	-	3	7	5	-	2	4	2
Mahasamund	FW	ONC	HOV	Seed production techniques in vegetable crops	01	01	25	-	6	3	3	2	5	3	2

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

KVK Name	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
Mahasamund	Training on mushroom production	Mushroom production	Alternative source of income	2	-	2	-	8	-	9	-	1
Mahasamund	Training on Fruit and vegetable processing technology	Fruit and vegetable	Nutritional security of farm families	2	-	3	-	5	-	10	-	2
Mahasamund	Training on Vermi-composting	Vermi-Compost	Income generation and nutrient supply	2	3		3	2	5	3	2	2

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

KVK Name	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.4. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviations on 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		
Mahasamund	Krishak Sangwari Training	CRP, HOV, HOF, HOO, HOP, HOT, HOS, HOM, SFM, AEG, PLP		FW	1	24	579	1	68	-	106	-	161	-	ATMA	3,54,400
Mahasamund	Farmers & Farm Women Training	HOV		FW	1	01	-	10	-	19	-	-	-	-	NABARD	-
Mahasamund	Farmers & Farm Women Training	HOV		FW	1	01	20	4	5	2	5	2	-	-	World Vision	-
Mahasamund	Farmers & Farm Women Training	HOV		FW	1	01	20	-	14	-	12	-	4	-	World Vision	-
Mahasamund	Farmers & Farm Women Training	HOV		FW	1	01	6	12	5	3	2	5	-	-	World Vision	-
Mahasamund	Seed Production	CRP		FW	1	01	-	-	-	-	-	-	45	5	TSP	20,000

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

KVK Name	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RV/ 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		

Table 5.6 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

KVK Name	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	Topics	Crop Stages
				M	F	M	F	M	F			
Mahasamund	Field Day	12	03	68	2	15	5	2	-			
	Kisan Mela	2	1	423	211	444	344	15	3			
	Kisan Ghosthi	10	10	128	41	123	46	4	1			
	Exhibition	3	2	300	289	523	301	30	13			
	Film Show	5	15	128	66	112	61	8	-			
	Method Demonstrations	4	7	16	13	41	12	3	-			
	Farmers Seminar	1	1	8	3	18	3	3	-			
	Workshop	2	12	113	26	87	6	8	-			
	Group meetings	10	11	36	12	94	13	4	-			
	Lectures delivered as resource persons	20	80	Mass	Mass	Mass	Mass	-	-			
	Newspaper coverage	40	42	Mass	Mass	Mass	Mass	-	-			
	Radio talks	-	-					-	-			
	TV talks	5	2	Mass	Mass	Mass	Mass	-	-			
	Popular articles	10	15	Mass	Mass	Mass	Mass	Mass	Mass			
	Extension Literature	4	5	Mass	Mass	Mass	Mass	Mass	Mass			
	Farm advisory Services	-	-	-	-	-	-	-	-			
	Scientific visit to farmers field	10	15	4	2	4	2	3	-			
	Farmers visit to KVK	100	1450	958	225	108	154	11	2			
	Diagnostic visits	20	24	11	2	6	2	5	-			
	Exposure visits	1	3	210	80	-	-	-	-			
	Ex-trainees Sammelan	-	-	-	-	-	-	-	-			
	Soil health Camp	-	-	-	-	-	-	-	-			
	Animal Health Camp	-	-	-	-	-	-	-	-			
	Agri mobile clinic	-	-	-	-	-	-	-	-			
	Soil test campaigns	-	-	-	-	-	-	-	-			
	Farm Science Club conveners meet	1	-	-	-	-	-	-	-			
	Self Help Group conveners meetings	3	9	-	-	-	18	-	-			
	Mahila Mandals conveners meetings	5	4	-	-	-	8	-	-			
	Celebration of important days (World environment day)	2	5	79	54	126	49	12	-			

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
Mahasamund	April-June, 2013	3 Months	500	500
Mahasamund	July-September, 2013	3 Months	500	500
Mahasamund	October-December, 2013	3 Months	500	500
Mahasamund	January-March, 2014	3 Months	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Mahasamund	Bulletin	Modern Techniques for raising hybrid Maize	Sandeep Bhoi, Rekha Singh and Narendra Agrawal	500
Mahasamund	Bulletin	Fruit and vegetable processing	Pushpa lata Tirkey, H.K. Awasthi, Rekha Singh and Saugat Sasmal	500
Mahasamund	Bulletin	Tuber crop	Rekha Singh, H.K. Awasthi, Pushpa lata Tirkey and Saugat Sasmal	500
Mahasamund	Folder	Improved Rice production technology - SRI Method	Sandeep Bhoi, Rekha Singh and Kunal Chandrakar	500

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Mahasamund	VCD	Kisan Mela Programme	1
Mahasamund	VCD	Farm situation before developing	1
Mahasamund	VCD	Farm situation after developing	1

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.)
Mahasamund		Moong	Hum-16	4.42	Awaited		
		Til	TKG-306	2.64	Awaited		
		Urd	TAU-94-2	1.42	Awaited		

8.2 Planting Material production –

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.)
Mahasamund		Sweet Potato	1) Shree Ratna	500		8	
			2) Shree Badhra	400		5	
			3) Indira Madhur	150		3	
			4) Indira Navin	700		12	
			5) Indria Nandhini	450		7	
			6) IGSP.C-14	550		10	
			7) IGSP.C-15	550		8	

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

* Name of product should follow same pattern and spelled correct

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

8.4 Livestock and fisheries production - Nil

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

* Farm condition not appropriate

9. Activities of Soil and Water Testing Laboratory

9.1 Details of Soil samples analyzed so far - NA

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)

9.2 Details of water samples analyzed so far - NA

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)

10. Rainwater Harvesting - Nil

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

KVK Name	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

11. Utilization of Farmers Hostel facilities - Accommodation available (No. of beds):

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

* Not used because farm related equipments and other farm items are there.

12. Utilization of Staff Quarters facilities - Not Constructed

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

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Mahasamund	31/05/2013	23	a) Establishment of live demonstration unit on available resources at KVK farm for farmers.
			b) Emphasis on practical aspects in conduction of training.
			c) Conduction of training regarding establishment of low cost mushroom spawn production unit for self help group.
			d) Conduction of training regarding use of different agriculture system and related technologies for the farmers. To enhance their knowledge and skill.

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.		
Mahasamund	55	5172		Farmers Portal	Useful suggestions given to the farming community through KMS by KVK

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

Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
ATMA		3,54,400	Training	On/Off Campus	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Mahasamund	63011331023	1,27,563	94,317	94,317

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Mahasamund	Best Poster Presentation(Award Received Dr. Rekha Singh from Dr. K.D. Kokatae, DDG, Extension, ICAR, NewDelhi in Zonal Workshop held on 21-27 June 2013 at DRI , Chitrakoot (M.P)	Ind.	ZPD	Nil

18. Details of KVK Agro-technological Park.

a) Have you prepared layout plan, where sent?

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

* Only prepared Layout plan and send to DES, IGKV, Raipur

b) Details about Technology Park

KVK Name	Name of Component of Park	Detail Information (If established)
Mahasamund	Crop Cafeteria	Kharif- Sweet Potato , Turmeric, Colocassia, Moong, Urd, Til, Niger, Ragi, Rice, Maize, Ground nut Rabi - Wheat, Sweet Potato, ChickPea, Pea, Maize, Groundnut, Mustard, Linseed, Lathyrus
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

19. Farm Innovators- list of 10 Farm Innovators from the District

KVK Name	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
Mahasamund	Shri Nand Kumar Dewangan	Mini Tractor	Ward No. 13, Gondpara, Mahasamund
Mahasamund	Shri Jitendra Chandrakar	Rice-Soybean System	Paraswani, Post-Birkoni, Mahasamund
Mahasamund	Shri Jitendra Patel	Mini Harvester	Jhalap, Post-Jhalap, Mahasamund

20. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
Mahasamund	13/12/2013	25
Mahasamund	20/09/2013 (Kisan Mela)	120
Mahasamund	23-24/12/2014	13

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Mahasamund	3	2	38	1070

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

23. KVK Ring

KVK Name	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained
Mahasamund	Dhamtari	Mushroom Cultivation, Fisheries	
Mahasamund	Gariyaband	Sharing Farm Equipments like implements, tractor	

24. Important visitors to KVK

Name of Visitor	Date of Visit	ICAR	SAUs	Others
Mr.B.S.Gopinath	30/05/13			Field Manager, IFFCO, Mahasamund
Dr.S.K.Singh	30/05/13			Manager, IFFCO, Raipur
Dr. S.K. Patil	31/05/13		Hon'ble VC, IGKV, Raipur	
Mr.C.B.Agrawal	10/6/2013			Ranger Officer, Mahasamund
Dr. V.U.M.Rao	16/8/2013	PC,AICRPAM, CRIDA, Hyderabad		
Dr. Sunil kumar	17/09/13	Director of Weed Science Research Jabalpur		
Mr.Agni Chandrakar	20/09/13			MLA, Mahasamund
Mr.Daulal Chandrakar	20/09/13			
Mr. P.K.Verma	20/09/13			Director of Dena bank Mahasamund
Mr. Pramod S.Takamale, Dr. A.B.Tombe	23/09/13	Forage Breeder AICRP on Forage crops, MPKY, Rahuri		

25. Status of KVK Website:

Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
Mahasamund	Website developed. This will be launched after Election 2014.	NIL	NIL

26. E-CONNECTIVITY - NA

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks

27. Status of RTI

Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
Mahasamund	NIL	NIL	

- Nominated SMS RTI Incharge: Dr. Narendra Agrawal SMS, Soil & Water Engg.

28. Status of Citizen Charter

Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
Mahasamund	3	3	

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. Narendra Agrawal	SMS, SWE	01	KVK Interface to Farm Mechanization at ZPD Zone – VII, Jabalpur on 8-9 October, 2013
Mahasamund	Dr. Narendra Agrawal	SMS, SWE	01	Review-cum Action Plan Workshop (Agril Engg) held at CIFA, Bhubaneswar on 02-05-2013.

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Mahasamund	2	2

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. Saugat Sasmal	SMS, Fisheries	1	One day orientation programme under ATMA at Raipur (SAMETI) on 20-06-13.
Mahasamund	Dr. Narendra Agrawal	SMS, Soil & Water Engg.	1	Three days workshop on "public private partnership in Agriculture and Allied fields under Extension Reforms held at SAMETI, Raipur on 29-31 Jan. 2014.
Mahasamund	1. Dr. Rekha Singh 2. Shri Sandeep K. Bhoi	1. PC, Home Science 2. SMS, Agronomy	1	Non-Timber Forest Produce, Medicinal, Aromatic Plants and Spices "Innovation for Livelihood Security" held at Raipur on 23-24 Dec, 2013.
Mahasamund	Shri Sandeep K. Bhoi	SMS, Agronomy	1	Training cum Orientation Programme on Protection of Plant Varieties & Farmers Right at IGKV, Raipur on 03-12-13.
Mahasamund	1. Dr. Rekha Singh 2. Shri Sandeep K. Bhoi	1. PC, Home Science 2. SMS, Agronomy	1	Workshop on Prospects, Problems and Processing of Lac Cultivation on 23-24 Dec., 2013 at Raipur

Name of KVK	Total Number of staff Attended HRD Programme organized by DES (nos)	Total Number of Programme attended (Nos)
Mahasamund	5	5

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

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks

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

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

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants
Mahasamund	Parthenium Week 16-22 August, 2013	02	320

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties - Nil

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties - Nil

Name of KVK	Crops	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management - Nil

Name of KVK	Livestock components	Number of interactions	No.of participants

Animal health camps organized - Nil

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

Seed distribution in drought hit states - Nil

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

Bio-control Agents - Nil

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

(e) Bio-Fertilizer - Nil

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

(f) Verms Produced -

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

- Due to initial phase of vermi composting no verms produced till date.

(g) Large scale adoption of resource conservation technologies - Nil

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	No. of farmers

35. Proposal of NICRA

1. Technologies to be Demonstrated- NA

KVK Name	Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Proposed Extension Activities in NICRA village - NA

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

3. Proposed Training Activities in NICRA Village - NA

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

4. Proposed Activities for Fodder Bank - NA

KVK Name	Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank - NA

KVK Name	Established (Years)	Capacity	Current Status


6. Public Representative/District Administration Visited in NICRA Village - NA

KVK Name	Name of Representative/Officer	Designation	Date of Visit

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

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

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

Name of KVK	No. of success stories	
<p>Mahasamund</p>	<p>A farm of Shri Sanjay Chandrakar is situated at BTI Road, Mahasamund. Since 2000 he has started farming. He is Diploma in Electrical Engineering. After dissatisfaction in previous job, he has been started farming in 2.5 acre for rice cultivation. During starting phase he has been achieved the productivity of rice was about 30 quintal per hectare. After one and half year he got about 55-60 quintal per hectare. Now he has taken seed production programme of rice and selling it to Beej Vikas Nigam , Mahasamund and getting good price of seed production. Then he went to training programme at Bangalore for drip irrigation system in horticulture department. Before training programme he was followed flood irrigation system for different vegetable crops in about 5 acres. After getting training he had started drip irrigation system for cultivating vegetable crops. After attending the training programme he was confident and increasing the cultivation area from 5 acre to 25 acre. Now a day he has taken maize crop through drip irrigation system. One year back he has taken 50-60 quintal per hectare of maize and now he will get 100 quintal per hectare yield of maize crop. By doing cultivation through drip irrigation system he is so excited and he wants to expand the farming system as a small scale business.</p>	

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)

Training on Mushroom Cultivation



Women Empowerment



OFT conducted in 2013-14



OFT conducted in 2013-14



Frontline Demonstration conducted in 2013-14



Frontline Demonstration conducted in 2013-14



Kisan Sangosthi



One Day Training Programme



Krishak Sangwari Training Programme



Monthly Workshop



Kisan Mela



Celebration of Parthenium week & Independence day



Award and DES Visit



News Coverage

