ANNUAL PROGRESS REPORT

April 2017 to March 2018

Contents

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2017-18

.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	16	78	
	On Going OFT	-	-	
	Technologies assessed (Completed OFT)	19	89	
	Technologies refined	-	-	
	On farm trials conducted	19	89	
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	12	98	
	On Going Frontline demonstrations	-	-	
	FLDs conducted on crops	10	78	
	Area under crops (ha.)	43.60	78	
	FLD on farm implement and tools	2	20	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	-	-	
	FLD on Fisheries - Finger lings	-	-	
	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.)	-	-	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	30	30	951
	Farm women	09	11	323
	Rural youth	05	07	166
	Extension personnel/ In service	08	08	224
	Vocational trainings	-	-	-
	Sponsored Training	-	-	-
	Total	52	56	1664
		No. of programmes	**Participants**	
4	**Extension Programmes**	153	Mass	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	15.621	-	
	Planting material produced (nos.)	419845	2859	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	3446	Mass	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	36	20	

	Trichoderma (kg.)	-	-	
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	4374	12	
	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)	32	32	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	15	Mass	
	KVK News letter	4	2000	
	SAC Meetings conducted	1	45	
	Soil sample tested	1709	6836	
	Water sample tested	-	-	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-	
	KVK-KMA (Message and beneficiaries)	62	87694	
	Convergence programmes	4	Mass	
	Sponsored programmes	1	20	
	KVK Progressive Farmers interaction	4	214	
	No. of Technology Week Celebrations	5	1619	
	Attended HRD activities organized by ZPD	6	2	
	Attended HRD activities organized by DES	18	2	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	4	3	
9	Current status of Revolving Funds (Amt. in Rs.)	520494.80/-		
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	5	1147	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	1	9	9
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	52	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	01	01	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	-	-	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	-	-	
16		**Filled**	**Vacant**	
	Staff Position	13	04	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	07		
18	Publication received from ICAR /other organization (nos.)	15		
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, 2018

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	03	03	03	06	06	16	13

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Per./Temp.	Category
Mahasamund	Programme Coordinator	Dr. Satish Kumar Verma	Horticulture	Ph.D.	Horticulture	37400-67000/-9000 (AGP)	40240 + 9000 (AGP)	22.09.2012	Permanent	GEN
Mahasamund	Subject Matter Specialist1	Shri. Saket Dubey	Horticulture	M.Sc.	Horticulture	15600-39100/-5400 (AGP)	18950 + 5400 (AGP)	06.09.2012	Permanent	GEN
Mahasamund	Subject Matter Specialist2	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 Specialist3	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 Specialist4	Vacant								
Mahasamund	Subject Matter Specialist5	Vacant								
Mahasamund	Subject Matter Specialist5	Vacant								
Mahasamund	Programme Assistant	Mr. S. M. Ali Humayun	Entomology	M.Sc.	Entomology	9300 - 34600/-4200(AGP)	9300 + 4200 (AGP)	27.10.2014	Permanent	GEN

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	Farm Manager	Shri Harishankar	Agronomy	P.hd.	Agronomy	-	18900	04.10.2017	Contractual	ST
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
Mahasamund	Accountant / superintendent/AG-1	Shri.U. M .Uppadhaya	-	H.S.C.	-	5200 - 20200/- 2800 (GP)	12810 + 2800 (GP)	27/12/2013	Permanent	GEN
Mahasamund	Stenographer/AG-II	Shri Abdul Vakil	-	H. S. C.	-	5200- 20200/- 2400 (GP)	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	-	-	-	4750-7440 1300 (AGP)	7140 + 1300 (GP)	04/02/2006	Permanent	GEN
Mahasamund	Supporting staff (Watchman)	Shri Jeewan Lal Yadav	-	-	-	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 mm
9	Area Khaif (2016-17)	Thousands(ha)	268.33
10	Major Crop in Kharif	Area, 000 ha	Paddy - 241.41 Blackgram - 11.05 Greengram - 3.91
11	Area Rabi (2016-17)	Thousands(ha)	50.60
12	Major Crop in Rabi	Area, 000 ha	Wheat - 2.48 Lathyrus - 3.81 Green gram - 1.83
13	Cropping Intensity	Per cent	119
14	Kharif Irrigated Area	ha	105079
15	Rabi Irrigated Area	ha	43040
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	Integrated nutrient management
Mahasamund	Soil test based crop production system

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
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 (OFT)

2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/ Refinement)	Thematic Area	Crop/ enterprise	Farming Situations	No. of trials	Results (q/ha)			Net Returns (Rs./ha)			Recommendations
										FP (T_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3	
Mahasamund	2017-18	Kharif	high seed rate, non uniformity in seed sowing	Assessment of eight row paddy drum seeder	Assessment	Small Farm Implements	Paddy	Irrigated	04	39.7	50.7		30819	53702		
Mahasamund	2017-18	Kharif	high seed rate, non uniformity in seed sowing	Assessment of seed cum fertilizer drill for line sowing of paddy	Assessment	Farm Mechanization	Paddy	Un irrigated	05	39.7	46.3		30819	46876		
Mahasamund	2017-18	Kharif	Water logging/ scarcity, lesser production	Assessment of broad bed and furrow method of sowing for blackgram cultivation	Assessment	Farm Mechanization	Blackgram	Un irrigated	05	4.6	6.2		10170	17205		
Mahasamund	2017-18	Rabi	Poor field preparation after two or three operation in farmers practice	Assessment of rotavator for field preparation in wheat	Assessment	Farm Mechanization	Wheat	Irrigated	05	18.95	24.8		17930	27367		
Mahasamund	2017-18	Rabi	High seed rate, low water productivi	Assessment of the inclined plate planter	Assessment	Farm Mechanization	Chickpea	Irrigated	05	8.7	12.5		14945	21794		

			ty	for yield enhancement and water productivity of chickpea												
Mahasamund	2017-18	Kharif	Use of Unidentified Variety and Improper Management Practices	Assessment of improved variety of Onion (Kharif Onion)	Assessment	Crop Production	Onion	Rainfed	05	100	150		35000	75000		
Mahasamund	2017-18	Kharif	Use of Unidentified Variety and Improper Management Practices	Assessment of improved variety of Marigold	Assessment	Crop Production	Marigold	Rainfed	05	130	170		70000	90000		
Mahasamund	2017-18	Rabi	Use of Traditional Practices for propagation of Turmeric	Assessment of Turmeric Propagation through Plug Nursery Technique	Assessment	Crop Production	turmeric	Irrigated	05	220	325		260000	450000		
Mahasamund	2017-18	Rabi	Use of Unidentified Variety and Improper Management Practices	Assessment of improved variety of Tomato	Assessment	Crop Production	Tomato	Irrigated	05	390	580		95000	165000		
Mahasamund	2017	Kharif	Low yield due to Imbalance use of fertilizer	Assessment of STCR based Nutrient Manageme	Assessment	STCR based nutrient management	Paddy	Irrigated	05	37.5	49.7		31325	47935		STCR based nutrient management (Yield Target 50 q/ha.)

				nt in Paddy (Var.- Maheshwari ,TY- 50 q/ha.)												(Fertilizer applied N: 106.77, P: 44.57, K: 44.97)
Mahasamund	2017	Kharif	Low yield due to Imbalance Management of Nutrient	Assessment of N-Nutrient saving by application of Urea briquettes in transplanted Paddy	Assessment	Application of urea briquettes after 7-10 days after Transplanting. Placement Depth 5 cm.	Paddy	Irrigated	05	35.21	44.62	45.74	30786	41347	42568	Basal dose (80:60:40) NPK, Kg/ha + One time application of Urea briquettes after 7-10 days after Transplanting.
Mahasamund	2017-18	rabi	Imbalance use of fertilizer	Assessment of STCR based nutrient management in Mustard (Targated yield 12 q/ha.)	Assessment	Nutrient Management	Mustard	Irrigated	05	8.06	11.64		16194	27116		STCR based nutrient management (Yield Target 12 q/ha.) Var. C.G. Sarson
Mahasamund	2017	Kharif	Low yield potential due to improper nutrient management	Assessment of nutrient management in Black gram	Assessment	Nutrient management	Blackgram	Irrigated	05	3.9	5.4	5.9	8840	13600	15750	
Mahasamund	2017	Rabi	Low yield due to improper nutrient management	Assessment of top dressing of N on performance of wheat over local	Assessment	Nutrient management	Wheat	Irrigated	05	14.6	18.2		11231	16177		

				available varieties												
Mahasamund	2017	Rabi	Low yield due to improper management practices	Assessment of components in system of chickpea intensification (SCI) on chickpea	Assessment	Crop management	Chickpea	Irrigated	05	9.1	12.20		17940	29180		
Mahasamund	2017	Rabi	Low yield potential due to improper nutrient management	Assessment of nutrient management on productivity & profitability of mustard during Rabi season in Mahasamund district	Assessment	Integrated nutrient management	Mustard	Irrigated	05	6.05	8.90	7.90	7200	18100	14600	
Mahasamund	2017	Kharif	Due to dependency on natural grazing and paddy straw feeding, shortage of protein supplementation in livestock feeding management practices	Assessment of Round the year forage production through combination of perennial grasses with annual legume forage	Assessment	Crop management	Napier	Irrigated	04	260	300		11000	14000		
Mahasamund	2017	Rabi	Due to dependency	Assessment of Round	Assessment	Crop management	Berseem	Irrigated	04	300	350		15000	19500		

			on natural grazing and paddy straw feeding, shortage of protein supplementation in livestock feeding management practices	the year forage production through combination of perennial grasses with annual legume forage												
Mahasamund	2017-18	Kharif & Rabi	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	Cereals & Pulses	Rainfed/ Irrigated	04	34.50	40.67		26336	34399		
Mahasamund	2017-18	Rabi	Yield loss of 20-25 % due to DBM infestation in cole crops	Assessment of IPM module for management of Diamond back moth (DBM) in cole crops	Assessment	IPM Module	Cabbage	Irrigated	02	212.32	229.13		56267	63836		

2.2 Economic Performance

KVK name	OFT Title	Parameters			Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		Name and unit of	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	Refined Practic	FP (T_1)	RP (T_2)	Refined Practic	FP (T_1)	RP(T_2)	Refined Practic	FP (T_1)	RP (T_2	Refined Practic

		Parameter					**e, if any (T_3)**			**e, if any (T_3)**			**e, if any (T_3)**		**)**	**e, if any (T_3)**
Mahasamund	Assessment of eight row paddy drum seeder	Yield (Q/ha)	39.7	50.7	30716	24843	-	61535	78585	-	30819	53702	-	2.10	3.16	-
Mahasamund	Assessment of seed cum fertilizer drill for line sowing of paddy	Yield (Q/ha)	39.7	46.3	30716	24889		61535	71765		30819	46876		2.10	2.88	
Mahasamund	Assessment of broad bed and furrow method of sowing for blackgram cultivation	Yield (Q/ha)	4.6	6.4	13750	16075		23920	33280		10170	17205		1.74	2.07	
Mahasamund	Assessment of rotavator for field preparation in wheat	Yield (Q/ha)	21.5	27.25	17007	16914	-	34937	44281	-	17930	27367	-	2.05	2.62	-
Mahasamund	Assessment of the inclined plate planter for yield enhancement and water productivity of chickpea	Yield (Q/ha)	7.8	10.7	18205	19434		33150	45475		14945	26041		1.82	2.34	
Mahasamu	Assessme	Avg. Bulb	Nasi	Bhima	65000	75000		10000	15000		35000	75000		1.54	2.0	

nd	nt of improved variety of Onion (Kharif Onion)	Size (gm)	k red 100	Super 150				0	0							
Mahasamund	Assessment of improved variety of Marigold	Yield	130	170	60000	80000		130000	170000		70000	90000		1.83	2.12	
Mahasamund	Assessment of Turmeric Propagation through Plug Nursery Technique	Yield	220	325	180000	200000		440000	650000		260000	450000		2.44	3.25	
Mahasamund	Assessment of improved variety of Tomato	yield	390	580	100000	125000	-	195000	290000	-	95000	165000	-	1.95	2.32	-
Mahasamund	Assessment of STCR based Nutrient Management in Paddy (Var.- Maheshwari ,TY- 50 q/ha.	Grain yield qt/ha & B:C ratio	Yield- 37.5 B:C ratio- 2.14	Yield- 49.7 B:C ratio- 2.64	26800	29100		58125	77035		31325	47935		2.16	2.64	
Mahasamund	Assessment of N-Nutrient saving by application of Urea briquettes in transplante	Grain yield qt/ha & B:C ratio	Yield- 35.54 B:C ratio- 2.06	Yield- 44.62 B:C ratio- 2.48	26748	27814	28339	55087	69161	70897	28339	41347	42568	2.06	2.48	2.50

	d Paddy															
Mahasamund	Assessment of STCR based nutrient management in Mustard (Targated yield 12 q/ha.)	Grain yield qt/ha & B:C ratio	Yield-8.06 B:C ratio-2.06	Yield-11.64 B:C ratio-2.48	15240	18280		31434	45396		16194	27116		2.06	2.48	
Mahasamund	Assessment of nutrient management in Black gram	Pods/plant (No.), Yield & B:C ratio	20 3.9 1.70	28 5.4 1.84	12610	16100	16700	21450	29700	32450	8840	13600	15750	1.70	1.84	1.94
Mahasamund	Assessment of top dressing of N on performance of wheat over local available varieties	Grains/spike (No.), Yield & B:C ratio	42 14.6 1.80	46.63 18.2 2.05	14100	15400		25331	31577		11231	16177		1.80	2.05	
Mahasamund	Assessment of components in system of chickpea intensification (SCI) on chickpea	Pods/plant (No.), Yield & B:C ratio	70 9.1 1.81	92 12.20 2.19	22100	24500		40040	53680		17940	29180		1.81	2.19	
Mahasamund	Assessment of nutrient management on	Siliqua/plant, Seeds/Siliqua, Plant height, Yield (q/ha)	122 16 145 12	86 11 130 8.6	16000	17500	17000	24200	35600	31600	7200	18100	14600	1.51	2.03	1.86

	productivity & profitability of mustard during Rabi season in Mahasamund district															
Mahasamund	Assessment of round the year forage production through combination of perennial grasses with annual legume forage Crop- Napier	Yield & B:C ratio	260 1.73	300 1.87	15000	16000		26000	30000		11000	14000		1.73	1.87	
Mahasamund	Assessment of Round the year forage production through combination of perennial grasses with annual legume forage Crop - Berseem	Yield & B:C ratio	300 2.00	350 2.26	15000	16500		30000	35000		15000	19500		2.00	2.26	

Mahasamund	of Rats Abundance, Damage & Management in different kharif and Rabi crops in Mahasamund District	Yield (Q/ha)	34.50	40.67	27139	28639	-	53475	63038	-	26336	34399	-	1.97	2.2	
Mahasamund	Yield loss of 20-25 % due to DBM infestation in cole crops	Yield (Q/ha)	212.32	229.13	28661	27816		84928	91652		56267	63836		2.9	3.2	

2.3 Information about Home Science OFT: (For All Thematic Area)

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

2.4 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

KVK name	OFT Title					Performance Indicator / Parameter									
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.4 (B) Economic Performance Home Science OFT: (For Income Genration)

KVK	OFT Title	Performance Indicator / Parameter

name		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.4 (C) Economic Performance Home Science OFT: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

2.4(D) Economic Performance Home Science OFT: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Mahasamund	Research should be relevant to the present farming situation focus on the problem of the district/location.
Mahasamund	Application of INM in pulse crop increase yield and Soil health also
Mahasamund	STCR Based nutrient application increase crop yield and save the money also

3. Achievements of Frontline Demonstrations (FLD)

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	Paddy	IPM	IPM Module	Training and demonstration	4	15	10
Mahasamund	Chickpea	IPM	IPM Module	Training and demonstration	3	15	10
Mahasamund	Black Gram	INM	INM in Black Gram	Training programmes, Field day, News paper coverage	12	270	120
Mahasamund	Chickpea	INM	INM in Chickpea	Training programmes, Field day, News paper coverage	15	380	160

Note-

- **Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.**
- ***Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Rice , brinjal in place of egg plant etc.**
- ***Don't press enter key to navigate among col use arrow or tab key**
- ***don't add space before or after statement within the table cell**
- **Kindly mention realistic estimated yield of your crop under Demonstration.**
- **If crop has been not yet harvested, mark it * on that**
-

3.2 Details of FLDs implemented

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Mahasamund	2017-18	Kharif	Small Farm Implements	Developed Animal Drawn Biasi Plough	Paddy	Developed Animal Drawn Biasi Plough	20	39.7	40.2	NA	0	0	12	0	12
Mahasamund	2017-18	Rabi	Farm Mechanization	Tractor drawn seed cum fertilizer drill	Chickpea	Seed cum fertilizer drill	05	7.8	9.7	24.3	0	0	8	0	8
Mahasamund	2017 -18	Kharif	Crop Production	Improved Variety	Ginger	Suprabha	05	160	220	37.5	00	01	04	00	05
Mahasamund	2017 -18	Kharif	Crop Production	Improved Variety	Turmeric	Suroma	05	175	230	31.4	00	01	04	00	05
Mahasamund	2017 -18	Rabi	Crop Production	Improved Variety	Coriander	Gujarat Dhania-1	05	10	14	40.0	00	00	05	00	05
Mahasamund	2017 -18	Rabi	Crop Production	Improved Variety	Fenugreek	RMT-305	05	8.7	9.8	12.6	00	00	05	00	05
Mahasamund	2017	Kharif	INM	Demonstration on INM in Black Gram	Green Gram	PU - 31	4.8	4.86	6.94	42.79	1	1	10	0	12

Mahasamund	2017-18	Rabi	INM	Demonstration on INM in Chickpea	Black Gram	JG-14	4.8	8.33	11.24	34.93	2	1	09	0	12
Mahasamund	2017	Kharif	Yield performance	Greengram (variety HUM-12)	Greengram	Improved variety 'SML-668' with recommended package of practices	5ha	4.1	6.2	51.21			07	05	12
Mahasamund	2017	Rabi	Yield performance	f Gram variety JG-14 with recommended package of practices	Chickpea	Crop production increase by use of seed treatment, use of proper herbicide and timely irrigation	5 ha	9.5	12.5	31.58			07	05	12
Mahasamund	2017-18	Kharif	IPM	IPM Module	Paddy	1010/Swarna	2	38.62	44.39	14.9	-	-	05	-	05
Mahasamund	2017-18	Kharif	IPM	IPM Module	Chickpea	JG-14	2	9.7	10.4	7.2	-	-	05	-	05

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	Developed Animal Drawn Biasi Plough	Paddy	Faield Capacity (Ha/hr)	0.04	0.11	30716	30120	61535	62310	30819	32190	2.00	2.07
Mahasamund	Tractor drawn seed cum fertilizer drill	Chickpea	yield (q/ha)	7.8	9.7	18205	19794	33150	41225	14945	21431	1.82	2.08
Mahasamund	Improved Variety of Ginger	Ginger	Rhizome Wt. per plant	160	220	150000	170000	400000	550000	250000	380000	2.66	3.23
Mahasamund	Improved Variety of Turmeric	Turmeric	Rhizome Wt. per plant	175	230	125000	135000	350000	460000	225000	325000	2.8	3.40

Mahasamund	Improved Variety of Coriander	Coriander	Yield per ha. (qt)	10	14	25000	28000	40000	56000	28000	44000	1.60	2.00
Mahasamund	Improved Variety of Fenugreek	Fenugreek	Yield per ha. (qt.)	8.7	9.8	20000	21000	34800	39200	14800	18200	1.74	1.90
Mahasamund	INM	Black Gram	Grain yield qt/ha & B:C ratio	Yield- 4.86 B:C ratio- 2.00	Yield- 6.94 B:C ratio- 2.65	12592	14692	25272	36088	12680	21396	2.00	2.45
Mahasamund	INM	Chickpea	Grain yield qt/ha & B:C ratio	Yield- 8.33 B:C ratio- 1.99	Yield- 11.24 B:C ratio- 2.41	17448	19790	35402	47770	17654	27980	1.99	2.41
Mahasamund	Demonstration of comparative yield performance of Greengram (variety HUM-12)	Greengram	Pods/plant (No.), Yield & B:C ratio	25 4.1 1.33	38 6.2 1.91	15400	16200	20500	31000	5100	14800	1.33	1.91
Mahasamund	Demonstration of Gram variety JG-14 with recommended package of practices	Chickpea	Pods/plant (No.), Yield & B:C ratio	62 9.5 1.85	86 12.5 2.18	22600	25200	41800	55000	19200	29800	1.85	2.18
Mahasamund	IPM Module	Paddy	Yield q/h	38.62	44.39	27413	29213	59861	68804	32448	39591	2.1	2.35
Mahasamund	IPM Module	Chickpea	Yield q/h	10.7	12.4	19794	20494	45475	52700	25681	32206	2.29	2.57

3.4 Information about Home Science FLDs - (For All Thematic Area)

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries

3.5 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)

KVK name	OFT Title	Performance Indicator / Parameter													
		Output m2/h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.5 (B) Economic Performance Home Science FLD: (For Income Genration)

KVK name	OFT Title	Performance Indicator / Parameter											
		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.5 (C) Economic Performance Home Science FLD: (For value addition)

KVK name	OFT Title	Performance Indicator / Parameter													
		Composition of product		Input used		outcome (Kg)		Cost of input		Incremental income		Net Return		Saving in Rs	BC ratio
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

3.5 (D) Economic Performance Home Science FLD: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Mahasamund	Black Gram	Training	3	81	
Mahasamund	Black Gram	Field Day	1	63	
Mahasamund	Chickpea	Training	1	39	
Mahasamund	Chickpea	Field Day	1	67	
Mahasamund	Paddy	IPM in Paddy	02	44	
Mahasamund	Paddy	Management of Insect Pests of paddy	02	37	
Mahasamund	Paddy	Discriminate use of insecticides	01	35	
Mahasamund	Pigeonpea	Management of Insect Pest of Pigeonpea	01	53	
Mahasamund	IPM	Importance of Predators and Parasites	01	38	
Mahasamund	Rat	Training on Rat Management	02	35	
Mahasamund	Chickpea	Management of Insect pests of Chickpea	01	21	
Mahasamund	Mustard	Management of Insect pests of Mustard	01	27	
Mahasamund	Greengram	Management of pests of Greengram	02	40	

3.7 Details of FLD on crop hybrids.

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

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**
Mahasamund	Zero till seed cum fertilizer drill	Zero till seed cum fertilizer drill	Time and cost effective, higher yield	Higher area coverage
Mahasamund	Improved crop management	Line sowing	Mechanical weeding is possible, lower seed rate, better crop growth	Higher area coverage
Mahasamund	Improved variety	Improved variety	Gives higher yield and higher income	Higher area coverage
Mahasamund	Integrated Nutrient Management	Integrated Nutrient Management	Gives higher yield and higher income and decrease cost of cultivation	Higher area coverage

4.2. Feedback from KVK to Research System.

Name of KVK	**Feedback basic of OFT on Technology Tested**
Mahasamund	Research should be relevant to the present farming situation focus on the problem of the district/location.
Mahasamund	Application of INM in pulse crop increase yield and Soil health also
Mahasamund	STCR Based nutrient application increase crop yield and save the money also

4. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	**Category of the training**	**Methods of need assessment**	**Date and place**	**No. of participants involved**
Mahasamund	FW		Khudmudi 24-05-2017	35
Mahasamund	FW		Chhuhia 29-05-2017	28
Mahasamund	FW		KVK 04-06-2017	37
Mahasamund	FW		Dhabakjar 24-06-2017	22
Mahasamund	FW		KVK 01-07-2017	26
Mahasamund	FW		Khudmudi 05-07-2017	32
Mahasamund	FW		Ghodhari 12-08-2017	31
Mahasamund	FW		Patewa13 -09-2017	35
Mahasamund	FW		Sher 10-10-2017	39
Mahasamund	FW		Belsondha 30-11-201	45
Mahasamund	RY		Pendrawan 21-12-2017	31
Mahasamund	IS		KVK 23-01-20118	36

Mahasamund	FW		Bhalesar 02-02-18	42
Mahasamund	FW		Saradih 13-03-2018	46

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	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Mahasamund	FW	OFC	FM	Line sowing of paddy by eight row paddy drum seeder	1	1	0	0	1	0	0	0	19	0
Mahasamund	FW	OFC	FM	Operation and maintenance of animal drawn implements	1	1	0	0	0	0	4	0	17	0
Mahasamund	FW	OFC	FM	Operation and maintenance of tractor drawn sowing implements	1	1	0	0	0	0	25	0	8	0
Mahasamund	FW	OFC	FM	Operation and maintenance of tractor drawn tillage implements	1	1	0	0	0	2	0	0	14	0
Mahasamund	RY	OFC	FM	Importance of seed drill for line sowing of paddy	1	1	0	0	0	0	1	0	20	0
Mahasamund	FW	OFC	FM	Operation and maintenance of tractor drawn tillage implements	1	1	0	0	0	0	0	0	12	0
Mahasamund	FW	OFC	FM	Importance of seed drill for line sowing of paddy	1	1	0	0	2	0	1	0	44	0
Mahasamund	FW	OFC	FM	Importance of broad bed furrow technique for kharif pulse	1	1	0	0	0	0	11	0	13	0
Mahasamund	FW	OFC	IWM	Drip irrigation technology	1	1	2	0	5	0	9	0	39	0
Mahasamund	FW	OFC	IWM	Operation and maintenance of sprinkler irrigation system	1	1	0	0	3	0	2	0	33	0
Mahasamund	IS	OFC	IWM	Water management in rabi crops through pressurized irrigation system	1	1	00	0	00	0	1	0	27	0
Mahasamund	FW	OFC	IWM	Operation and maintenance of sprinkler irrigation system	1	1	00	00	00	00	2	00	16	15
Mahasamund	FW	OFC	IWM	Water management in rabi crops through pressurized irrigation system	1	1	00	00	3	00	1	1	39	9
Mahasamund	FW	OFC	IWM	Drip irrigation technology	1	1	00	00	3	00	1	00	36	0
Mahasamund	FW	OFC	FM	Operation and maintenance of animal drawn implements	1	1	0	00	0	00	01	00	23	00
Mahasamund	FW	OFC	SFM	Importance of Vermicomposting	1	1	1	6	-	-	-	4	-	7
Mahasamund	FW	OFC	SFM	Importance of Nadep compost	1	1	7	-	1	-	13	-	5	-
	FW	OFC	SFM	Training on Balance use of fertilizers & INM	1	1	12	-	4	-	17	-	6	-

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Mahasamund														
Mahasamund	IS	OFC	CRP	Importance of Phosphorus in Agricultural crop	1	1	8	-	6	-	10	-	7	-
Mahasamund	FW	OFC	CRP	Importance & methods of seed production	1	1	1	-	3	-	15	-	12	-
Mahasamund	FW	OFC	CRP	Importance of seed production of Agronomical crop	1	1	4	-	1	-	15	-	23	-
Mahasamund	FW	OFC	CRP	Rule, Regulation of seed production in Agriculture	1	1	-	-	2	-	17	-	3	-
Mahasamund	FW	OFC	SFM	Importance of Organic Farming in Agriculture	1	1	6	-	3	-	7	-	5	-
Mahasamund	IS	OFC	CRP	Cultivation practices of oilseed crop	1	1	14	-	11	-	17	-	14	-
Mahasamund	IS	OFC	CRP	Cultivation practices of Pulse crop	1	1	8	-	6	-	8	-	6	-
Mahasamund	IS	OFC	CRP	Cultivation practices of Pulse crop & Summer crop	1	1	5	-	4	-	5	-	4	-
Mahasamund	FW	OFC	SFM	Importance of Organic Farming in Agriculture	1	1	-	-	6	-	10	-	19	-
Mahasamund	IS	OFC	CRP	Cultivation practices of Sunflower & Maize	1	1	3	-	3	-	4	-	3	-
Mahasamund	FW	ONC	CP	Production technology of turmeric and ginger	1	1	-	-	-	-	-	3	-	11
Mahasamund	FW	OFC	SFM	Procedure of soil sampling and soil testing	1	1	2	0	10	3	10	4	8	3
Mahasamund	FW	OFC	SFM	Soil health and fertility management	1	1	5	2	8	0	8	1	10	3
Mahasamund	FW	ONC	INM	Integrated nutrient management in Rice	1	1	2	0	9	2	10	2	9	1
Mahasamund	FW	OFC	SFM	Importance of organic farming	1	1	5	2	8	0	9	2	10	1
Mahasamund	IS	ONC	SFM	Various techniques of organic farming	1	1	4	1	6	1	4	2	8	0
Mahasamund	RY	OFC	INM	Vermicomposting technique	1	1	2	1	8	2	8	3	3	0
Mahasamund	FW	OFC	INM	Biofertilizer production technology	1	1	3	1	7	0	15	1	9	1
Mahasamund	FW	OFC	INM	Integrated nutrient management in pulse crop	1	1	4	1	7	2	5	1	6	1
Mahasamund	FW	OFC	SFM	Preparation, importance and use of vermiwash	1	1	5	0	7	3	9	1	6	0
Mahasamund	FW	OFC	INM	Integrated nutrient management in Rabi crops	1	1	6	2	10	3	5	4	10	2
Mahasamund	RY	OFC	INM	Various composting technique	1	1	4	1	6	0	12	10	6	0
Mahasamund	IS	ONC	INM	Importance, production and use of Nadep compost	1	1	3	0	7	2	4	1	5	2
Mahasamund	FW	OFC	SFM	Importance and advances of balance fertilization	1	1	1	5	0	0	9	2	11	1
Mahasamund	FW	ONC	SFM	Procedure of soil sampling and soil testing	1	1	7	2	8	1	8	1	9	7
Mahasamund	RY	OFC	PLP	IPM in Paddy	1	02	0	0	0	0	0	0	40	4
Mahasamund	FW	OFC	IPM	Management of Insect Pests of paddy	1	02	0	0	02	0	02	0	33	0
Mahasamund	FW	ONC	PLP	Discriminate use of insecticides	1	01	0	0	0	03	0	0	32	0
Mahasamund	FW	OFC	PLP	Management of Insect Pest of Pigeonpea	1	01	0	0	0	0	03	0	47	3
Mahasamund	FW	ONC	PLP	Importance of Predators and Parasites	1	01	0	0	01	0	08	02	26	1
Mahasamund	RY	OFC	IPM	Training on Rat Management	1	02	0	0	03	02	05	0	20	5

Name of KVK	Cate-gory	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14	15	16
Mahasamund	FW	OFC	PLP	Management of Insect pests of Chickpea	1	01	0	0	0	0	0	0	17	4
Mahasamund	FW	OFC	IPM	Management of Insect pests of Mustard	1	01	0	0	03	01	0	0	20	3
Mahasamund	FW	OFC	PLP	Management of pests of Greengram	1	02	0	0	02	0	11	03	19	5

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Mahasamund												

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

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

Table 5.4. Sponsored Training Programmes

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

Table 5.5 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)	Dura-tion (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																

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

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Mahasamund	Agronomical practices	617	02	05	24	36.9	16500	24000	100 ha 217 No. 15%
Mahasamund	Mushroom Production	329	01	03	92kg/year 460gm/bag	145kg/year 670gm/bag	6814	9689	NA 61 26%
Mahasamund	Farm mechanization	123	02	04	9.73	14.12	19120	36754	49.3 ha 51 24%
Mahasamund	Horticulture production techniques	316	02	04	185	267	214000	321000	24 ha 29 No. 21%

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	08	736	274	255	112	14	04	Exhibition and Awareness	Field day in Black Gram, Paddy, chickpea, wheat, Mustard	Before maturity
Mahasamund	Kisan Mela	02	03	1236	771	495	267	48	21	Exhibition	Pre kharif and pre rabi mela	Maturity
Mahasamund	Kisan Ghosthi	06	06	117	96	65	23	11	05	Soil testing, INM, Biofertilizer Application, Organic farming	Soil health management, Vermicomposting, process of organic farming	Before Sowing and crop growth stage
Mahasamund	Exhibition	03	03	126	49	18	11	04	02	-	-	-
Mahasamund	Film Show	04	05	198	84	24	15	07	03	-	-	-
Mahasamund	Method Demonstrations	02	02	22	14	08	05	02	01	-	-	-
Mahasamund	Farmers Seminar	-	-							-	-	-
Mahasamund	Workshop	01	-	22	09	07	05	04	0	-	-	-
Mahasamund	Group meetings	06	06	78	32	46	28	18	04	Awareness for Soil	INM in paddy, INM in Pulses,	Before Sowing

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			
										fertility, soil health managemant and INM	Compostin Technology	
Mahasamund	Lectures delivered as resource persons	10	20	322	56	95	47	35	18	-	-	Training Organized by Agri, Hort.Deptt, MSMD & Orchard Managemen t
Mahasamund	Newspaper coverage	06	15	Mass								
Mahasamund	Radio talks	04	44	Mass								
Mahasamund	TV talks	02	05	Mass								
Mahasamund	Popular articles	06	10	Mass								
Mahasamund	Extension Literature	05	05	Mass								
Mahasamund	Farm advisory Services	12	12	Mass								
Mahasamund	Scientific visit to farmers field	36	38	134	61	49	26	23	14			
Mahasamund	Farmers visit to KVK	500	610									
Mahasamund	Diagnostic visits	04	05									
Mahasamund	Exposure visits	10	10	83	29	18	07	12	03	-	To make farmer aware about the Improved and advance technologies in Orchard Management during training on Orchard Management & Maintenance	
Mahasamund	Ex-trainees Sammelan	01	01	-	-	-	-	-	-	-	-	-
Mahasamund	Soil health Camp	02	02	67	25	27	11	3	3	Awareness for Soil health and fertility	How to improve soil health	Before Sowing
Mahasamund	Animal Health Camp	-	-	-	-	-	-	-	-	-	-	-
Mahasamund	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
Mahasamund	Soil test campaigns	02	02	59	23	19	08	03	02	Awareness for Soil health and fertility	How to improve soil health	Before Sowing
Mahasamund	Farm Science Club conveners meet	-	-	-	-	-	-	-	-	-	-	-

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	Self Help Group conveners meetings	01	01	-	-	-	-	-	-	-	-	-
Mahasamund	Mahila Mandals conveners meetings	-	-	-	-	-	-	-	-	-	-	-
Mahasamund	Celebration of important days (World environment day)	1	1	669	129	205	75	34	16	Celebration of world Soil day	Improvement of soil health	-

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	Quarterly	500	500
Mahasamund	July	Quarterly	500	500
Mahasamund	October	Quarterly	500	500
Mahasamund	January	Quarterly	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Mahasamund	Folder	फसल अव ोश प्रबंधन	कुणाल चन्द्राकर एवं साकेत दुबे एवं सती ा वर्मा	1000
Mahasamund	Article	धान में समन्वित पोशक तत्व प्रबंधन	कुणाल चन्द्राकर, सती ा वर्मा, साकेत दुबे एवं रवी ा केसरी	1000

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Mahasamund	CD	Vermicompost	
Mahasamund	CD	Mushroom	
Mahasamund	CD	Fish Production	

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	T/L	Pigeon Pea	Rajiv Lochan	2.70		10	13
Mahasamund	T/L	Paddy	Indira Barani	3.66		05	10
Mahasamund	T/L	Sesamum	TKG- 308	2.23		25	12
Mahasamund	T/L	Soyabean	JS- 9635	0.53			
Mahasamund	T/L	Green Gram	HUM -12	0.24		02	01
Mahasamund	T/L	Turmeric	Suroma	0.31		05	1.5
Mahasamund	T/L	Lentil	Indira Alsi-32	3.13		25	15
Mahasamund	T/L	Wheat	Ratan	2.82		10	03
Mahasamund	T/L	Mustard	CG Sarson	1.25		50	25
Mahasamund	T/L	Chandrasur	local	0.483			
Mahasamund		Coriander	Gujrat Dhaniya	0.218		10	01
Mahasamund		Chickpea	JG-14	0.55		02	0.5

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	Fruit	Pomegranate	Bhagwa	1275		625	**3.0**
Mahasamund	Mango	Mango	Amrapali, Mallika, Indira Nandiraj	25		15	0.1
Mahasamund	Fruit	Papaya	Red Lady	25000		580	10.0

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mahasamund	Fruit	Guava	L-49	2545		1248	3.0
Mahasamund	Fruit	Drumstick	PKM-1	10000		215	25.0
Mahasamund	Vegetables	Cauliflower	Pusa snowball -2 Ageti, Shri Ganesh, Early Kunwari,	45000		50	1.0
Mahasamund	Vegetables	Brinjal	Pant Samrat, VNR round	68000		27	1.5
Mahasamund	Vegetables	Onion	Bhima Shubhra, Bhima super, Nasik Red, Bhima dark red,	250000		59	0.5
Mahasamund	Vegetables	Tomato	Arka rakshak, VNR tomato	8000		30	0.1
Mahasamund	Vegetables	Cabbage	Shri Ganesh gol, Golden acre	10000		10	0.8

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) * Name of product should follow same pattern and spelled correct

KVK Name	Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (In Kg)	Qty (In No)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)	
Mahasamund	Mahasamund	Bio Fertilizer	Vermicompost	2714	05	Used in KVK Farm	02	
Mahasamund	Mahasamund	Bio Fertilizer	Nadep Compost	1250	02	Used in KVK Farm	01	
Mahasamu	Mahasamund	Bio Fertilizer	Azolla	410	05	Mix with Cow feed	-	

nd								

8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre)	Value (Rs.)	No. of Beneficiaries
Mahasamund	Cow	Gir	Milk	3446	124056	20
Mahasamund	Goat	Barberi	Live Goat	32.94 Kg	6066	02

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far:

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)
Mahasamund	Established a mini Soil testing lab and Soil testing laboratory (analysis for major nutrient)	2016-17	Krishi Vigyan Kendra Soil testing laboratory	1499 (Grid) 210 Total 1709	6836	47	299800	4057

9.2 Details of water samples analyzed so far :

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

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total
Mahasamund	Nil									

11. Utilization of Farmers Hostel facilities

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

12. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Mahasamund	Not Available				

13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Mahasamund	20.07.17	45	1. Establishment of spawn production unit and training center for promotion of Mushroom cultivation in Mahasamund district. 2. Establishment of Kadaknath cum hechary unit. 3. Demonstration of Fish cum Duck unit 4. Lazer leveling work at KVK Farm. 5. Water conservation unit.

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	62	87694	20	Mkiasn.gov.in	Agricultural Technologies

15. Status of 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	MGNAREGA	Jila Panchayat, Mahasamund	1111000	Seed Multiplication	Seed production	
Mahasamund	DMF	District Collectorate, Mahasamund	1622000	Establishment of spawn production unit and training centre for the promotion of mushroom cultivation in Mahasamund district	Mushroom cultivation	
Mahasamund	DMF	District Collectorate, Mahasamund	1751000	Establishment of poultry cum hatchery unit	Poultry	
Mahasamund	NHM	CSS_MIDH	181873	Demonstration of Turmeric, lemon Grass, Coriander and Fenugreek	District	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.) (Till 31.03.18)
Mahasamund	36711328700	435837	520494.80	520494.80

17. Awards & Recognitions

KVK Name	Name of award /Awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Mahasamund	ICAR- Innovative farmers award / Shri Tushar Chandrakar, Village: Mohandi, Block: Mahasamund	Farmer (Horticulture)	ICAR	Certificate
Mahasamund	ATMA- District level best farmers award / Miss Vallari Chandrakar, Village: Sirripatharimuda, Block: Baghbahara	Farmer (Horticulture)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Shri Arun Chandrakar, Village: Malidih, Block: Mahasamund	Farmer (Horticulture)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Shri Jitendra Chaudhari, Block: Saraipali	Farmer (Fishery)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Shri Samaru, Village: Khemda, Block: Bagbahra	Farmer (Agriculture)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / ShriBisan lal Diwan, Village: Khudmudi, Block: Bagbahra	Farmer (Horticulture)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Smt. Hitesh Sharma, Village: Baghbahara, Block: Baghbahara	Farmer (Agriculture)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Shri Bhuvan Patel, Village: Arjuni, Block: Pithora	Farmer (Fishery)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Shri Kewal Dhiwar, Village: Achhola, Block: Mahasamund	Farmer (Fishery)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- District level best farmers award / Smt. Purshottam sahu, Village: Tongopanikala, Block: Baghbahara	Farmer (Horticulture)	DDA, Mahasamund	Rs. 25000/-
Mahasamund	ATMA- Block level best farmers award / Shri Kulmani Sahu, Village: Bagardarha, Block:Pithora	Farmer (Horticulture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Hira Ram patel, Village: Bhavarchuva, Block: Basna	Farmer (Horticulture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Khilawan Chamdarkar, Village: Simgaon, Block: Baghbahara	Farmer (Horticulture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Narayan Sahu, Village:Parsatthi, Block: Mahasamund	Farmer (Horticulture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Ram Kumar patel, Village: Paklipali, Block: Basna	Farmer (Animal Husbandry)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Jaghodip, Village: Toresinha, Block: Saraipali	Farmer (Animal Husbandry)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Santosh Kumar Patel, Village: Barekel Khurd, Block: Mahasamund	Farmer (Animal Husbandry)	DDA, Mahasamund	Rs. 10000/-

Mahasamund	ATMA- Block level best farmers award / Shri Bhoj Kumar Patel, Village: Mudhipar, Block: Pithora	Farmer (Animal Husbandry)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Sundar mani Sav, Village: Kurchundi, Block: Basna	Farmer (Fishery)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Chova Ram Chandrakar, Village: Sunsuniya, Block: Baghbahara	Farmer (Fishery)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Surya Parkash Chaudhari, Village: Parsada, Block: Saraipali	Farmer (Fishery)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Dola Mani Jalchhatari, Village: Pithora, Block: Pithora	Farmer (Fishery)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Pitambar Tahkur, Village: Tongopanilkala, Block: Baghbahara	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Mahendra, Village: Bade Pandhi, Block: saraipali	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Murari Dhimar, Village: Achhola, Block: Mahasamund	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Sharda Prasad, Village: Bhoring, Block: Mahasamund	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Rajendra Sharma, Village: Bramhandih, Block: Baghbahara	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Lal Say Sahu, Village: Chanourdih, Block: Pithora	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / ShriDola Mani Patel, Village: Topobhata, Block: Pithora	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Ram Say Patel, Village: Potapara, Block: Basna	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Bahshidhar Sahu, Village: Dhudhipali, Block: Basna	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-
Mahasamund	ATMA- Block level best farmers award / Shri Dola mani Patel, Village: Sirpur, Block: Saraipali	Farmer (Agriculture)	DDA, Mahasamund	Rs. 10000/-

18. Details of KVK Agro-technological Park .

a) Have you prepared layout plan, where sent?

S .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent ? (ZPD/DES/any other, pl. sp.)
01	Mahasamund	yes	ATARI/DES/DDA/JP
02	**Mahasamund**	Fish cum Duck unit	ATARI/DES/DDA/JP
03	**Mahasamund**	Mushroom production	ATARI/DES/DDA/JP
04	**Mahasamund**	Hydroponics unit	ATARI/DES/DDA/JP
05	**Mahasamund**	Azolla unit	ATARI/DES/DDA/JP

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Mahasamund	Crop Cafeteria	Mustard, Safflower, Wheat, Pigeon Pea, coriander, chilli, brinjal, cauliflower, cabbage, okra, papaya, onion, gladiolus, spinach, knolkhol, tomato, banana, Paira Grass, Napier Grass
Mahasamund	Technology Desk	Prepare CD of Mushroom and Vermicompost
Mahasamund	Visitors Gallery	Farmers/SHG/NGOs/extension workers/farmer friend/PRO
Mahasamund	Technology Exhibition	Drip irrigation in orchard, hydroponic fodder production unit, azola production unit, shadenet house, nutritional garden, fish pond, vermicompost unit, NADEP
Mahasamund	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1	Agronomical Crops	1
2.	Fodder Crops	1
3.	Horticultural Crops	1

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

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Mahasamund	Shri Mohan Chandrakar	Organic farming of black rice and purple wheat	Village: Keshwa, Tahsil: Mahasamund, District: Mahasamund M: 09977002275
2	Mahasamund	Shri Neki Sahu	Vermicompost production and mushroom cultivation	Village: Baronda Bazar, Tahsil: Mahasamund, District: Mahasamund M: 9131543370
3	Mahasamund	Shri Rajendra Sahu	Mushroom Production	Village: Patiapali, Tahsil: Basna, District: Mahasamund M: 09754366411

4	Mahasamund	Shri Milan Vishvakarma	Lac Cultivation	Village: Kurrubhata, Tahsil: Bagbahra, District: Mahasamund M: 09770122497, 07697583758
5	Mahasamund	Shri Anil Chandrakar	Crop diversification in rabi crop for water saving (Wheat, pulse and oilseed in place of summer paddy)	Village: Saradih, Block & District: Mahasamund M:08770857448
6	Mahasamund	Shri Gajanad Patel	Polyhouse Flower Production	Village: Chhaporadih, Tahsil: Mahasamund, District: Mahasamund M: 09977819939
7	Mahasamund	Shri G R Diwan	Fishery cum Horticulture	Village: Navagaon, Tahsil: Mahasamund, District: Mahasamund
8	Mahasamund	Shri Arun Chandrakar	Floriculture and high tech horticulture	Village: Maliedih, Tahsil: Mahasamund, District: Mahasamund M: 09926122918
9	Mahasamund	Shri Yogendra Chandrakar	High tech horticulture	Village: Gahnaghat, Tahsil: Mahasamund, District: Mahasamund M: 0930814522
10	Mahasamund	Shri Murari Sahu	SRI cultivation	Village: Achhola, Tahsil: Mahasamund, District: Mahasamund M: 09753413921

20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	19.08.17	45
2	05.12.17	54
3	24.01.18	78
4	17.03.18	37

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Mahasamund	05	03	15	560

Intensive- OFTS, FLDS etc
Extensive- Literature, Publications, Awareness programmes etc.

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
01	Mahasamund	NA		

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
01	Gariyaband	KVK, Gariyaband	Mushroom cultivation, Animal Husbandary
02	Raipur	KVK, Raipur	Fisheries, Mechanization, Woman Empowerment

24. **Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Mahasamund	Shri Chandulal Sahu	19.08.17			MP, Mahasamund	Sankalp Se Sidhhi Programme at KVK, Mahasamund
Mahasamund	Smt. Rupkumari Omprakash Chaudhry	05.12.17			Parliamentary Secretary Mahila Evam Bal Vikash evam Samaj Kalyan Vibhag-CG Govt.	Soil Health day
Mahasamund	Dr. Vimal Chopra	17.03.18			MLA- Mahasamund	Krishi Unnati Mela Live webcast
Mahasamund	Shri Himshikhar Gupta	15.11.17			DM and Collector, Mahasamund	
Mahasamund	Dr. Anupam Mishra	13.10.17	Director, ICAR – ATARI-Jabalpur			
Mahasamund	Dr. M. P. Thakur	13.10.17		DES, IGKV, Raipur		
Mahasamund	Dr. A. L. Rathore	05.03.18		DES, IGKV, Raipur		
Mahasamund	Dr. K.L. Nandeha	13.10.17		Principal Scientist, Agronomy, OoDES, IGKV, Raipur		
Mahasamund	Dr. K. K. Shrivastava	05.03.18		Principal Scientist, Agricultural Extension, OoDES, IGKV, Raipur		
Mahasamund	Smt. Gopa Moti Sahu	05.12.17			Vice President Jila Panchayat Mahasamund	Soil Health Day
Mahasamund	Smt. Amrita Narendra Chandrakar	05.12.17			Sabhapati, Krishi Sthai Samiti Jila Panchayat Mahasamund	Soil Health day
Mahasamund	Shri. Dharamdas Mahilang	05.12.17, 17.03.18			President Janpat Panchayat Mahasamund	Soil Health day, Krishi Unnati Mela Live webcast
Mahasamund	Shri.V.P. Choubey	05.12.2017			DDA- Mahasamund	

Mahasamund	Dr. Jharia	05.12.2017			DDVT- Mahasamund	
Mahasamund	Dr. A. K. Dave			Professor & Head, Department of FMPE, FAE, IGKV, Raipr		
Mahasamund	Dr. R. L. Sharma	13.10.17		SS & Head, KVK, Raipur		
Mahasamund	Dr, K. K. Shrivastava Dr. Dipti Jha Dr. A. S. Rajput Dr. Gautam Roy	20.07.2017		SAC Meeting		

25. 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/year**	9512

26. E-CONNECTIVITY

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No. of lectors organized by KVK	Brief achievements	Remarks
	Date	No. of Staff attended	No. of call received from Hub	No. of Call mate to Hub by KVK			
Mahasamund	NA						

27. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
01	Mahasamund	01	01	

28. Status of Citizen Charter

Sr. No.	Name of KVK	Query received (Nos)	Query Disposed (Nos)	Remarks
01	Mahasamund	-	-	-

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Pre Zonal Workshop "Action Plan Workshop of KVKs in CG at DES, IGKV on 28-29th April 2017

Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Action Plan for Doubling the Farmers Income by 2022 at DES, IGKV. Raipur
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Zonal Workshop of KVKs at KVK Burhanpur (MP) on 24-26 November 2017
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Pre CFLD Oilseed and Pulses Review Meeting at DES, IGKV on 12.01.2017
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Zonal CFLD Workshop at KVK Jhabua (MP) on 18-20, January 2018
Mahasamund	Er. Ravish Keshri	SMS (Soil & Water Engineering)	01	Training cum Workshop on Technology Adoption Matrix at ICAR-ATARI, Jabalpur

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Mahasamund	02	06

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	12	Monthly Review Meeting
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Doubling the farmers Income on 15.05.17
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	RIDF Meeting on 04.09.17
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Workshop on IGKV Innovative Technology
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Rastriya Kisan Mela 24-28.01.18
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	State level workshop o PPV& FR on 14.03.18
Mahasamund	Er. Ravish Keshri	Subject Matter Specialist (SWE)	01	Pre zonal review meeting,

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Mahasamund	02	18

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

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	Senior Scientist & Head	01	Capacity Building for District Technical Resource Teams (DTRTs) at CG Gramin & Panchayat Training Institute,

				Nimora, Raipur (CG) on 03-10th October 2017
Mahasamund	Saket Dubey	Subject Matter Specialist (Horticulture)	01	Training of master trainers by ASCI at DES, IGKV, Raipur
Mahasamund	Kunal Chandrakar	Subject Matter Specialist (Soil Science)	01	Workshop on Soil Health Management at New Circuit House, Raipur on 26.07.17
Mahasamund	Kunal Chandrakar	Subject Matter Specialist (Soil Science)	01	8 days model training course on crop residue and paddy straw management at CoA, Rajnandgaon

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Mahasamund	03	04

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

Name of KVK	Alert observed	Particulars	Reported to organization
Mahasamund	-	-	-

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Mahasamund	Technology Week (Kharif)	01	129	Demonstration of Kharif Crops
Mahasamund	Technology Week (Rabi)	01	205	Demonstration of Rabi Crops
Mahasamund	Swacchata Pakhwara	01	229	Awareness programme organized from 15th September – 02nd October 2017
Mahasamund	Soil health awareness programme	02	1056	Soil health Day on 05.12.17

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

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

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Mahasamund	-	-	-

Farmers-scientists interaction on livestock management

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

Animal health camps organized

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

Seed distribution in drought hit states

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

Seedlings and Saplings 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
Mahasamund	-	-	-	-

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Mahasamund	Nadep compost	1250	01	-
Mahasamund	Vermi compost	2714	02	-

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Mahasamund	36 kg.	0.36	50	20

Large-scale adoption of resource conservation technologies

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

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	6	206	6	317	8	1395	3	2838	3	210	5	331

35. Proposal of NICRA

1. **Technologies to be Demonstrated**

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

2**. Proposed Extension Activities in NICRA Village**

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

3. **Proposed Training Activities in NICRA Village**

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

4**. Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status
NA		

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status
NA		

6. **Public Representative/District Administration Visited in NICRA Village**

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors
NA			

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

NA

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 the KVK, **TITLE, Introduction,** KVK intervention, Output, Outcome, and Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Mahasamund	02	00

Success Story 1

Sl.No	Particulars	Remarks
1.	Title of innovation	**"ZERO BUDGET AND ORGANIC FARMING"** **"ORGANIC FARMING OF PURPLE RICE AND PURPLE WHEAT"** "ORGANIC POLUTRY FARMING OF KADKNATH CHICKENS"
2.	Thematic area	AGRICULTURE AND ANIMAL HUSBANDRY
3.	Profile of innovator	NAME: Mohan Lal Chandrakar S/O : Shri D.P. Chandrakar ADDRESS: Village- Keshwa, Post office- Khatti Distt; Mahasamund. Chattisgarh. AGE: 49 Years. EDUCATION: MBA (Master Of Business Administration). At present I am doing organic farming in my own land around 35 acres of agriculture land and leased land 15 acres from other farmers. **ADHAR No.: 802278605092**
4.	Problem/ challenge addressed	The soil of my land is not fertile and my father is unable to get good yield. After resigned from my job as General Manager from a reputed multinational company I joined my father in agriculture in the year 2010 and started experimenting on land for better yield. I bought poultry waste and cow dunk from poultry farmers and cow owner and decomposed the same to make manure from it. Since then my production has increased and also my agriculture income has also increased to 150% in one hand and on the other side the cost of farming has also come down to significant level.
5.	Description of innovative practice/technology	**ORGANICE FARMING OF PURPLE RICE AND PURPLE WHEAT UNDER THE UMBRELLA OF FARMER PRODUCER COMPANY**

		Urza Krishi Farmer Producer Company Limited has formed to do collective farming and organized marketing of our agri-products, so that it could benefits all the farmer members associated with FPO. At present cultivating organically purple rice and purple wheat which has medicinal value. As these two basic food items contains high antioxidants which helps to increase immunity in human body to fight against cancer, blood pressure, sugar, anti aging and stress relief. **Purple wheat** has got very high anti-oxidant, as the normal wheat has Anthocyanins 5-15 ppm and purple wheat developed by NABI scientist has 40-140 ppm. Our mission is organic farming in zero budgets, which will be achieved only when farmer will adopt cows as their part of life, not only cow's milk but its urine, cow dunk, its horne, and after death of cow its decomposed body as manure is very fertile from organic point of view. **ORGANICE FARMING OF BASTAR KADKNATH CHICKENS** At present I have also started organic farming of bastar kadknath chickens, as I don't give them feed from the market which have high dose of hormones and antibiotics, but I feed them with rice broken (kanki) and broken cornflakes (bhutta) easily available in villages, so that cost of farming should not go up.
6.	Practical utility	Medicine and organic manure made out of cow urine and local tree leafs (which animal do not eat) has helped me to increase quality of the production of crop specially paddy and wheat.
7.	Source of information	Krishi Vigyan Kendra, field exposure and internet
8.	Economics/Profitability of innovative practice/ technology (costs and return) (per intervention or area or household)	1. **Organic Purple Wheat (Per ha):** Cost of cultivation 44000/-, average yield is 25 quintal, gross income 87500/- @ 3500/quintal. B:C ratio is 1.99. 2. **Organic Scented rice (paddy) (Per/ha):** Cost of cultivation 32500/-, average yield is 37.5 quintal, gross income 93750/- @ 2500/quintal. B: C ratio is 2.88. 3. **Organic Purple rice (paddy) (Per/ha):** Cost of cultivation 32500/-, average yield is 40 quintal, gross income 160000/- @ 4000/quintal. B:C ratio is 4.92.
9.	Potential : Acceptance level, horizontal spread of innovation and number of farmer adopting	Initially FPO was formed by the 13 farmers and spread the information through social media. By this personal contact of scientist from KVK and other innovative farmers it spread to larger area and till date around 50 farmers have been joined in this company
10.	Illustrate with high quality photos with caption, graphs	

Success story 2

Sl.No	Particulars	Remarks
1.	Title of innovation	**"VERMICOMPOST PRODUCTION"** **"OYESTER MUSHROOM PRODUTION"**
2.	Thematic area	AGRICULTURE AND HORTICULTURE
3.	Profile of innovator	NAME: Neky Navin Sahu S/O : Shri Chhannu lal sahu **Adhar No.- 8888 0023 6099** Address: Village- Barondabajar, Post office- Bahmni Distt; Mahasamund. Chattisgarh. AGE: 27 Years. EDUCATION: B. Tech (Dairy Technology). I am Producing Vermicompost in 110 tank and on the same place Oyster Mushroom production work is also doing.
4.	Problem/ challenge addressed	To convince the farmers for use of vermicompost and nutritional benefits of mushroom, because farmers are not aware for its benefits.
5.	Description of innovative practice/technology	Usage of mushroom cultivation above vermicompost pit hence multilayer farming, the technology which not only helps in maintain the required adequate atmosphere of enrich vermicompost production but also produce raw material for enrich vermicompost production.
6.	Practical utility	Employing rural women in farm after trained them for the job.
7.	Source of information	Krishi Vigyan Kendra Mahasamund, Exposure Visit
8.	Economics/Profitability of innovative practice/ technology (costs and return) (per intervention or area or household)	**Vermicompost-** Production – 200 q. per Month Gross return-100000/- Gross cost-48800/- Net profit-51200/- per month **Mushroom-** Production – 3.0 q. per Month Gross return-45000/- Gross cost-15000/- Net profit-30000/- per month
9.	Potential : Acceptance level, horizontal spread of innovation and number of farmer adopting	Vermicompost is good source of major and micronutrients, which is important for soil and crops, farmers can increase the fertility and other important properties of soil for higher production. Mushroom is very good source of

		protein, carbohydrate and fibers which can help to control malnutrition. After my innovation about vermicompost and mushroom farmers are getting knowledge that how to do this and trying for production and more than 20 farmers are adopting the technology.
10.	Illustrate with high quality photos with caption, graphs	

VERMICOMPOST AND MUSHROOM PRODUCTION UNIT