ANNUAL PROGRESS REPORT

January 2020 to December 2020

Contents

REPORTING PERIOD – January 2020 to December 2020

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2020

i. OFT and FLD

S.No.	KVK Name	Activity	Achievement	
			Number of activity	No. of farmers/ beneficiaries
1	**Mahasamund**	**OFT**		
a.	**Mahasamund**	**OFT- Crops (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry etc)**		
➢	**Mahasamund**	Proposed OFT	1	5
➢	**Mahasamund**	On Going OFT	1	5
➢	**Mahasamund**	Technologies assessed (Completed OFT)	5	22
➢	**Mahasamund**	Technologies refined	-	-
b.	**Mahasamund**	**OFT- Agriculture Engineering**		
➢	**Mahasamund**	Proposed OFT	2	10
➢	**Mahasamund**	On Going OFT	-	-
➢	**Mahasamund**	Technologies assessed (Completed OFT)	2	10
➢	**Mahasamund**	Technologies refined	-	-
c.	**Mahasamund**	**OFT- Animal Science**		
➢	**Mahasamund**	Proposed OFT	-	-
➢	**Mahasamund**	On Going OFT	-	-
➢	**Mahasamund**	Technologies assessed (Completed OFT)	-	-
➢	**Mahasamund**	Technologies refined	-	-
d.	**Mahasamund**	**OFT- Fisheries**		
➢	**Mahasamund**	Proposed OFT	-	-
➢	**Mahasamund**	On Going OFT	-	-
➢	**Mahasamund**	Technologies assessed (Completed OFT)	-	-
➢	**Mahasamund**	Technologies refined	-	-
e.	**Mahasamund**	**OFT- Extension**		
➢	**Mahasamund**	Proposed OFT	-	-
➢	**Mahasamund**	On Going OFT	-	-
➢	**Mahasamund**	Technologies assessed (Completed OFT)	-	-
➢	**Mahasamund**	Technologies refined	-	-
f.	**Mahasamund**	**OFT- Home Science**		
➢	**Mahasamund**	Proposed OFT	**1**	**5**

➢	**Mahasamund**	On Going OFT	-	-
➢	**Mahasamund**	Technologies assessed (Completed OFT)	-	-
➢	**Mahasamund**	Technologies refined	-	-
	Mahasamund	**Activity**	**Area (ha) / no. of Unit/Enterprise**	**No. of farmers/ beneficiaries**
2	**Mahasamund**	**FLD**		
a.	**Mahasamund**	CFLD-Oilseed (in ha)	**210**	**525**
b.	**Mahasamund**	CFLD-Pulses (in ha)	**70**	**175**
c.	**Mahasamund**	**FLD- Crop All(other than CFLD) (in ha)**		
➢	**Mahasamund**	Proposed Frontline demonstrations	**2**	**24**
➢	**Mahasamund**	On Going Frontline demonstrations	**2**	**24**
➢	**Mahasamund**	Completed Frontline demonstrations	**4**	**48**
d.	**Mahasamund**	**FLD- Agriculture Engineering (in ha)**		
➢	**Mahasamund**	Proposed Frontline demonstrations	**2**	**18**
➢	**Mahasamund**	On Going Frontline demonstrations	-	-
➢	**Mahasamund**	Completed Frontline demonstrations	-	-
e.	**Mahasamund**	**FLD - Animal Science (in ha for fodder/ no. of Unit/Enterprise)**		
➢	**Mahasamund**	Proposed Frontline demonstrations	-	-
➢	**Mahasamund**	On Going Frontline demonstrations	-	-
➢	**Mahasamund**	Completed Frontline demonstrations	-	-
f.	**Mahasamund**	**FLD - Fisheries (in ha/ no. of Unit/ Enterprise)**		
➢	**Mahasamund**	Proposed Frontline demonstrations	-	-
➢	**Mahasamund**	On Going Frontline demonstrations	-	-
➢	**Mahasamund**	Completed Frontline demonstrations	-	-
g.	**Mahasamund**	**FLD - Home Science (in ha/ no. of Unit/Enterprise)**		
➢	**Mahasamund**	Proposed Frontline demonstrations	**2**	**10**
➢	**Mahasamund**	On Going Frontline demonstrations	-	-
➢	**Mahasamund**	Completed Frontline demonstrations	-	-

ii. Other Activities

S.N.	**Quantifiable Achievement**	**Number**	**Beneficiaries (nos.)**	
1	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	65	1	1709
	Farm women	-	-	-
	Rural youth	2	5	15
	Extension personnel/ In service	2	2	21

	Vocational trainings	2	30	40
	Sponsored Training	-	-	-
	Total	71	-	1785
		No. of programmes	**Participants**	
1	**Extension Programmes**	176		Mass
3	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	33.36	-	
	Planting material produced (nos.)	489040	3586	
4	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	958		82
	Milk Yield - Cow, Buffelo etc. (in liter)	3391		59
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	2906	28	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	10874	59	
5	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	12		20
	Trichoderma (kg.)			
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**91290**	Used/sold to KVK, Mahasamund	
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	**-**		-
6	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	2		1
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	3		1250
	KVK News letter	4		2000
	SAC Meetings conducted	1		38
	Soil sample tested	92		92
	Water sample tested	-		-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	3		287
	KVK-KMA (Message sent and beneficiaries)	52		87693
	Convergence programmes	2		-
	Sponsored programmes	-		-
	KVK Progressive Farmers interaction	2		18
	No. of Technology Week Celebrations	6		118
	Attended HRD activities organized by ZPD	04		01
	Attended HRD activities organized by DES	10		05

	Attended HRD activities by KVK Staff(Refresher/Short course, Training programme etc.)	10	06	
7	Current status of Revolving Funds (Amt. in Rs.)	708324.53 (Closing Balance)		
		No. of blocks	**No. of villages**	
8	Outreach of KVK in the District	5	1102	
		ICAR	**SAU**	**Others**
9	No. of important visitors to KVK (nos.)	1	4	-
10		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	52	
		Application received	**Application disposed**	
11	Status of RTI (nos.)	4	4	
		Query received	**Query dissolved**	
12	Citizen Charter (nos.)	-	-	
		Filled	**Vacant**	
13	Staff Position	14	02	
14	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	05		
15	Publication received from ICAR /other organization (nos.)	05		
		Particulars	**Organization**	
16	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	05	02	
		Nos. of Activities	**Participants/ beneficiaries**	
17	Activities performed in Sansad Adarsh Gram	**-**	**-**	
18	Activities performed in DFI Village	**Nos. of Activities**	**Participants/ beneficiaries**	
		7	38	
19	Activities performed in Nutri Smart Village	**Nos. of Activities**	**Participants/ beneficiaries**	
	OFT	2	10	
	FLD	1	5	
	Trainings	2	33	
	Extension activities	1	10	
20	Current status of Contingency (Amt. in Rs.)	535116 (Closing Balance)	-	

1. GENERAL INFORMATION

1.1. Staff Position (as on 31.12.20)
Summary of Staff position in KVKs

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Mahasamund	16	01	01	06	06	03	03	06	04	16	14

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Mahasamund	Sr. Scientist & Head	Dr. Satish Kumar Verma	Horticulture	Ph. D.	Horticulture	37400-67000 + 8000 (AGP)	44820 + 9000 AGP	22.09.12	OBC
Mahasamund	SMS/ Scientist 1	Shri. H. S. Tomar	Agronomy	M.Sc.	Agronomy	15600 - 39100 + 5400 (AGP)	20440 + 5400	13.11.07	GEN
Mahasamund	SMS/ Scientist 2	Shri. Saket Dubey	Horticulture	Ph. D.	Horticulture	15600 - 39100 + 5400 (AGP)	21220 + 5400	06.09.12	GEN
Mahasamund	SMS/ Scientist 3	Shri Arvind Nandanwar	LPM	M.V.sc.	Animal science	15600 - 39100 + 5400 (AGP)	20440 + 5400	24.09.12	GEN
Mahasamund	SMS/ Scientist 4	Shri Kunal Chandrakar	Soil Science	M. Sc.	Soil Science	15600 – 39100 + 5400 (AGP)	19680 + 5400	16.09.14	OBC
Mahasamund	SMS/ Scientist 5	Mrs. Rajni Dharmendra Agashe	Agricultural Extension	M. Sc.	Agricultural Extension	15600 – 39100 + 5400 (AGP	18950 + 5400	22.09.14	GEN
Mahasamund	SMS/ Scientist 6	Er. Ravish Keshri	Soil & Water Engineering	M. E.	Irrigation Water Management Engineering	15600 - 39100 + 5400 (AGP)	19680 + 5400	20.10.14	GEN
Mahasamund	Programme Assistant	Mr. S. M. Ali Humayun	Entomology	M.Sc.	Entomology	9300 - 34600 + 4200 (AGP)	11940 + 4200	27.10.14	GEN
Mahasamund	Farm Manager	MR. Kamal Lodhi	Agronomy	M.Sc.	Agronomy	9300- 34600 + 4200 (AGP)	9300 + 4200	31.10.19	OBC

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
Mahasamund	Computer Programmer	Smt.Punitha Kartikeyan	Computer Science	MCA, M. Phil	Computer Science	9300 - 34600 + 4200 (AGP)	11940 + 4200	29.07.13	GEN
Mahasamund	Accountant / superintendent (AG-1)	Shri Babulal Dewangan (Contractual)	-	-	-	20900 (Fixed)	20900 (Fixed)	-	-
Mahasamund	Stenographer (AG-2)	-	-	-	-	-	-	-	-
Mahasamund	Driver	Shri B. P. Dhruw	-	Primary	-	5200-20200 + 2200 (AGP)	14800 + 2800	20.12.05	ST
Mahasamund	Driver	Mr.Rajesh Markandey	-	10th	-	5200-20200 + 1900 (AGP)	7460 + 1900	02.04.13	SC
Mahasamund	Supporting staff, if any	Shri Khayal Das Vaishnav	-	-	-	4750-7440 + 1300 (AGP)	7940 + 1300	04.02.06	GEN
Mahasamund	Supporting staff, if any	Vacant	-	-	-	-	-	-	-

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Mahasamund	Chhattisgarh plain	05	545	1032275	71.54 %	SC – 139581 ST - 279896	Marginal – 157164 Small – 36445 Large - 1087	

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

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

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

1.5. PROBLEM IDENTIFIED by KVK

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	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.	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	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	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	Low productivity of fish pond Participatory group discussion among the farmers and extension	Mahasamund, Bagbahra, pithora,

	functionaries	functionaries	Basna, Saraipali
Mahasamund	High yield losses due to weeds and Pest Participatory group discussion among the farmers and extension functionaries.	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.	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.	Low yield due to Improper Nutrient Management Participatory group discussion among the farmers and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	Low income of farm family.	Low income of farm family. Participatory group discussion among farm women and extension Functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	Protein calorie malnutrition among preschool children causes stunting.	Protein calorie malnutrition among preschool children causes stunting group discussion with farm women and extension functionaries.	Mahasamund, Bagbahra, pithora, Basna, Saraipali

2. On Farm Testing (OFT)

2.1 Information about OFT:

OFT 1:

Name of Discipline	Soil Science
Title of on-farm trial:	**Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- GW-273)**
Year/Season:	Rabi 2019-20
Farming situation:	Irrigated
Problem diagnosis:	Low yield potential due to improper management practices
Thematic area:	Nutrient Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assesment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	SHC based nutrient management
T3- Recommended Practice-	-
Date of sowing:	29 November
Date of harvesting:	30 March
Source of technology:	IGKV, Raipur
Characteristics of technology:	It is a SHC based crop production technology
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	Farmers should go with SHC based Nutrient Management in wheat crop
Recommendations for Deptt. Personnel	It is very prominent technology for every farmer and easy to adoptable. Department personnel should disseminate the SHC based technology.
Feedback	Farmers told that the technology is very suitable for balance nutrition to the crop, it saved the money and gave more yield.

Result: (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.	18464	39212	20748	2.12
T2 (Recommended Practice)	Yield	q/ha.	19978	49010	29032	2.45

OFT 2:

Name of Discipline	Soil Science
Title of on-farm trial:	**Assessment of Soil Health Card (SHC) based Nutrient Management in Paddy (Var.- Maheshwari)**
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield potential due to improper management practices
Thematic area:	Nutrient Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	SHC based nutrient management
T3- Recommended Practice-	-
Date of sowing:	14 July
Date of harvesting:	29 November
Source of technology:	IGKV, Raipur
Characteristics of technology:	It is a SHC based crop production technology
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Farmers should go with SHC based Nutrient Management in paddy crop
Recommendations for Deptt. Personnel	It is very prominent technology for every farmer and easy to adoptable. Department personnel should disseminate the SHC based technology.
Feedback	Farmers told that the technology is very suitable for balance nutrition to the crop, it saved the money and gave more yield.

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.	29838	74236	44398	2.48
T2 (Recommended Practice)	Yield	q/ha.	31960	95551	63591	2.98

OFT 3:

Name of Discipline	Soil Science
Title of on-farm trial:	**Assessment of N- Nutrient saving by application of Urea briquettes through Urea briquette applicator in transplanted Paddy**
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to Imbalance Management of N- Nutrient
Thematic area:	Nutrient Management
No of trials:	02
No. of farmers involved	02
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	100:60:40 (N:P:K) Phosphorous through DAP, Nitrogen through Urea Briquette, and Potash through Muriate of potash. P and K apply at the time of transplanting, while Nitrogen apply as briquette within 7-10 DAT by urea briquette applicator.
T3- Recommended Practice-	-
Date of sowing:	22 July
Date of harvesting:	20 November
Source of technology:	IGKV, Raipur
Characteristics of technology:	Supply of Nitrogen through urea briquettes in slow release form.
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	It is a Nitrogen nutrient saving technology, because it slowdown the losses of nitrogen. Farmers should apply the urea briquette through briquette applicator.
Recommendations for Deptt. Personnel	It may be a cost saving technology for every farmer, department personnel should disseminate the nitrogen saving technology.
Feedback	Farmers told that the technology is very suitable for applying the nitrogen after 7-10 days of transplanting, it saved the money and gave more yield.

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	q/ha.	29527	72555	43028	2.45
T2(Recommended Practice)	Yield	q/ha.	31668	92644	60976	2.92

OFT 4:

Name of Discipline	Soil Science
Title of on-farm trial:	**Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- Ratan)**
Year/Season:	Rabi 2020-21
Farming situation:	Irrigated
Problem diagnosis:	Low yield potential due to improper management practices
Thematic area:	Nutrient Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	SHC based nutrient management
T3- Recommended Practice-	-
Date of sowing:	29 November
Date of harvesting:	Crop on growing stage
Source of technology:	IGKV, Raipur
Characteristics of technology:	It is a SHC based crop production technology
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	Result Awaited
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Result Awaited					
T2(Recommended Practice)						

OFT 5:

Name of Discipline	Agricultural Engineering
Title of on-farm trial:	**Assessment of row transplantation of paddy by paddy transplanter**
Year/Season:	Kharif 2020
Farming situation:	Irrigated
Problem diagnosis:	Less efficiency, problems of labour, non uniformity in transplanting
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Manual transplanting by farm labour
T2 –Recommended Practice-	Transplanting by paddy transplanter
T3- Recommended Practice-	-
Date of sowing:	18 July 2020 (Transplanting)
Date of harvesting:	20 November 2020
Source of technology:	IGKV, Raipur
Characteristics of technology:	Uniformity in transplanting, higher field efficiency mechanical weeding possible
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	58.32 Q/ha	52400	108942	47202	2.08
T2(Recommended Practice)	Yield	61.83 Q/ha	44400	115498	66312	2.60

OFT 6:

Name of Discipline	Agricultural Engineering
Title of on-farm trial:	**Assessment of paddy crop residue management by tractor operated Baler**
Year/Season:	Kharif/Rabi 2020
Farming situation:	Irrigated/Unirrigated
Problem diagnosis:	Timely crop residue management problem delay rabi crop, burning of crop residue create pollution and destroy soil micro organism
Thematic area:	Farm Mechanization
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Burning of paddy crop residue after harvesting of paddy
T2 –Recommended Practice-	Para collection and bundling by tractor operated Baler
T3- Recommended Practice-	-
Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	CIAE, Bhopal
Characteristics of technology:	Paddy crop residue management in less time and availability of para for animal feed
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	-
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Field Capacity, ha/hr	No. of bundle/hr	Cost of operation, Rs./ha	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field Capacity	ha/hr	-	-	6550	-
T2(Recommended Practice)	Field Capacity	ha/hr	0.32	34	4420	-

OFT 7:

Name of Discipline :	Horticulture
Title of on-farm trial:	Assessment of Marigold Propagation through Cuttings
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Lack of Production technology of Marigold through cuttings
Thematic area:	Crop Production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Marigold Production through Nursery Raising
T2 –Recommended Practice-	Marigold Production through cutting
T3- Recommended Practice-	
Date of sowing:	22.06.20
Date of harvesting:	19.08.20
Source of technology:	IGKV Raipur
Characteristics of technology:	Marigold Propagation through Cuttings
Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	Marigold can be cultivated through cuttings
Recommendations for Deptt. Personnel	
Feedback	Time and Space saving

Result : (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (q/ha)	136	70000	136000	65000	1.91
T2(Recommended Practice)	Yield (q/ha)	185	90000	185000	95000	2.01
T3(Recommended Practice)						

OFT 8:

Name of Discipline : Horticulture	
Title of on-farm trial:	Assessment of Improved Variety of Papaya
Year/Season:	Kharif 2020
Farming situation:	Rainfed
Problem diagnosis:	Lack of Awareness about improved varieties of papaya
Thematic area:	Crop Production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Unidentified Variety by majority of Farmers
T2 –Recommended Practice-	Use of Variety Honey Gold
T3- Recommended Practice-	
Date of sowing:	12.06.20
Date of harvesting:	
Source of technology:	IGKV Raipur
Characteristics of technology:	Improved Variety
Name of Crop/Enterprises:	Papaya
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Result : (Economic Performance of OFT): Ongoing

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield (q/ha)					
T2(Recommended Practice)	Yield (q/ha)					
T3(Recommended Practice)						

OFT: 9

Name of Discipline : Agronomy	Agronomy
Title of on-farm trial:	**Assessment of Under Testing Paddy cultivar RRF-105 of IGKVV Raipur with Trico derma and dry seeded Rice Technique**
Year/Season:	Kharif 2020
Farming situation:	Rain fed
Problem diagnosis:	Farmers are needed suitable variety for upland condition & low yield under traditional broadcasting method
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are continuously grown ten year old varieties by traditional broadcasting method
T2 –Recommended Practice-	Under Testing Paddy cultivar RRF-105 of IGKVV Raipur with Trico derma and dry seeded Rice Technique
T3- Recommended Practice-	
Date of sowing:	4nd week of June 2020
Date of harvesting:	1nd week of November 2020
Source of technology:	IGKVV Raipur
Characteristics of technology:	Line Sowing, Seed treatment with Trico derma
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	Refinement needed
Recommendations for Deptt. Personnel	Refinement needed
Feedback	Farmers are very much happy and ready to adopt the variety because this variety is suitable for DSR method under rainfed condition

Result : (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	36.17	30875	90425	59550	2.93
T2(Recommended Practice)	yield	39.89	32357	99725	67368	3.08

OFT: 10

Name of Discipline : Agronomy	Agronomy
Title of on-farm trial:	Refinement **of line sowing Mustard Variety: Chhattisgarh Sarson with traditional Utera practice**
Year/Season:	**Rabi 2019-20**
Farming situation:	Irrigated
Problem diagnosis:	Low yield potential due to improper management practices
Thematic area:	**Crop Production**
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Refinement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	**Direct seeded as Utera**
T2 –Recommended Practice-	**Line Sowing and Weed Management with pre emergence weedicide**
T3- Recommended Practice-	
Date of sowing:	25 to 30 November 2019
Date of harvesting:	Last week of March,2020
Source of technology:	IGKVV Raipur
Characteristics of technology:	**Line Sowing and Weed Management with pre emergence weedicide**
Name of Crop/Enterprises:	Mustard
Recommendations for Farmers	Farmers should go with **Line Sowing and Weed Management with pre emergence weedicide in** mustard crop
Recommendations for Deptt. Personnel	Department personnel should disseminate the above technology.
Feedback	The Technology is good but achieved low yield due to unexpected rains & hails fall during maturity stage and delayed in harvesting due to COVID-19 LOCKDOWN

Result : (Economic Performance of OFT)

Details of technology	Name and Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	3.16	12100	13983	1883	1.16
T2(Recommended Practice)	yield	3.49	13000	15544	2544	1.19
T3(Recommended Practice)						

2.2. Information about Extension OFT:

Title	
Season & Year	
Problem identified	
Thematic Area	
Farming situation	
Name of Technology under study	
Farmers Practice	
No. of replication (Farmers)	

Results / findings

Performance indicators/ parameters	**Unit/ details**	**Observation**		
		T1 (Farmers Practice)	**T2(Recommended Practice)**	**T3(Recommended Practice)**

2.3. Information about Home Science OFT:

OFT 1:

Title of on-farm trial:	Refinement of different value added product from Mushroom .
Year/Season:	Rabi
Problem diagnosis:	Spoilage of Mushroom in surplus condition
Thematic area:	Value addition
No of trials:	4
No. of farmers/farm women involved	10
Type of OFT (Assessment/ Refinement):	**Refinement**
Details of technology selected for assessment:	
T1 – Farmers Practice-	Use only fresh mushroom
T2 –Recommended Practice-	Prepare different value added product Powder, Mushroom Til radish badi Mushhroom Bijori**, Mushroom Papad**
Source of technology:	Solan

Characteristics of technology:	**Mushroom Power** -1 kg mushroom,100 gm salt **Mushroom Til Raddish Badi** – 1 kg fresh Mushroom, Urad Dal -1kg,hari dhaniya Mirch pest-40 gm. Til 100 gm, 200 gh radish graded **Mushroom Papad** -200 gm-Mushroom powder, 500 gm –Mung dal powder. black pepper- 50gm Sodium bicarbonate 10 gm., salt - according to test, **Mushroom Bijori -**100 gm mushroom power , Urad Dal -500gm.,Til -200gm.,, salt –according to test
Name of Crop/Enterprises:	Mushroom
Farming situation:	
Date of sowing:	15.12.19
Date of harvesting:	14.12.19
Recommendations for Farmers	Prepare value added product in surplus condition
Recommendations for Deptt. Personnel	Recommended them for value addition
Feedback	Farm women of village appreciated these value added product

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

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T_1(Farmers Practices)						
T_2 (Recommended Practices)	**Mushroom Power** -30 kg mushroom, **Mushroom Til Raddish Badi** – 1 kg fresh Mushroom, Urad Dal -1kg,hari dhaniya Mirch pest-40 gm. Til 100 gm, 200 gh radish graded **Mushroom Papad** -200 gm-Mushroom powder, 500 gm -Mung flower. black pepper- 50gm Sodium bicarbonate 10 gm., salt - according to test, **Mushroom Bijori -**100 gm mushroom power , Urad Dal -500gm.,Til -200gm.,, salt –according to test according to test	**10 kg** **10 kg** **20 kg** **10 kg**	**2500** **3500** **4000** **4500**	**4000** **4500** **5000** **5000**	**4000** **4500** **5000** **5000**	**1:1.266** **1:1.3** **1:1.25** **1:1.2**

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

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T_1(Farmers Practices)							
T_2 (Recommended Practices)							
T_3(Recommended Practices							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -…….

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T_1(Farmers Practices)						
T_2 (Recommended Practices)						
T_3(Recommended Practices)						

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

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T_1(Farmers Practices)						
T_2 (Recommended Practices)						
T_3(Recommended Practices						

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

Name of Enterprise /product: -…….

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T_1(Farmers Practices)									
T_2 (Recommended Practices)									
T_3(Recommended Practices									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
												FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Mahasamund	2019-20	Rabi	Soil Science	INM	Application of 75% (N 20: P 40: K 20 kg/ha.) with Rhizobium @10g/kg of seed + PSB @10g/kg of seed & FYM 5 ton/ha. (Demonstration on INM in Chickpea)	Pulse	Chickpea	RVG-202	Irrigated	Completed	4.8	4.7	5.8	23.40	2	2	8	0	12
Mahasamund	2020-21	Kharif	Soil Science	INM	Application of 75% (N:P:K-20:40:20	Pulse	Black Gram	MASH-479	Rainfed	Completed	2.4	4.95	6.67	34.74	2	4	6	0	12

					kg/ha.) with Rhizobium + PSB @10g/kg of seed & FYM 5 ton/ha. (Demonstration on INM in Black Gram)														
Mahasamund	2020-21	Rabi	Soil Science	INM	Application of 75% (N 20: P 40: K 20 kg/ha.) with Rhizobium @10g/kg of seed + PSB @10g/kg of seed & FYM 5 ton/ha. (Demonstration on INM in Chickpea)	Pulse	Chickpea	RVG-202	Irrigated	Ongoing									

Mahasamund	2020	kharif	Agronomy	Integrated Weed Management	Demonstration of weed management in Black Gram	Pulse	Black Gram	Pratap-1	rainfed	completed	5	6.4	8.28	29.38	4	6	2	-	12
Mahasamund	2019-20	Rabi	Agronomy	Varietal replacement & Crop management	Demonstration of Criss-Cross sowing method of wheat in Mahasamund District	Cereal	Wheat	Ratan	irrigated	completed	5	21.25	24.54	13.40	-	-	12	-	12
Mahasamund	2020	Kharif	Horticulture	Crop Production	Improved Variety of Cowpea		Cowpea	Kashi Kanchan	Rainfed	Completed	0.4	131	168	28	00	02	03	00	05
Mahasamund	2020	Rabi	Horticulture	Crop Production	Demonstration of Tomato Cultivation under Low-cost protected cultivation structure		Tomato	Arka Rakshak, Arka Samrat , Arka Apesha	Irrigated	Ongoing	0.4	-	-	-	0	0	05	0	05

Mahasamund	2020	Rabi	Horticulture	Crop Production	Demonstration of Improved Variety of Capsicum Cultivation		Capsicum	Arka Mohini	Irrigated	Ongoing	0.4	-	-	-	0	0	05	0	05

3.2 Economic Impact of Crop FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	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	Demonstration on INM in Chickpea	Chickpea	Yield q/ha	4.7	5.8	18020	20685	22912	28275	4892	7590	1.27	1.36
Mahasamund	Demonstration on INM in Black Gram	Blackgram	Yield q/ha	4.95	6.67	13412	15442	29700	40020	16288	24578	2.21	2.59
Mahasamund	Demonstration of weed management in Black Gram	Black Gram	Yield (q/ha)	6.4	8.28	14150	14850	37120	48024	22970	33174	2.62	3.23
Mahasamund	Demonstration of Criss-Cross sowing method of wheat in Mahasamund District	Wheat	Yield (q/ha)	21.25	24.54	19800	21600	36125	41718	16325	20118	1.82	1.93

Mahasamund	Improved Variety of Cowpea	Cowpea	Yield (q/ha)	131	168	37587	42368	98250	126000	60663	83632	2.61	2.97
Mahasamund	Tomato Cultivation under Low-cost protected cultivation structure	Tomato	Ongoing										
Mahasamund	Improved Variety of Capsicum Cultivation	Capsicum	Ongoing										

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Field Capacity, ha/hr		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Mahasamund	2019-20	Rabi	Farm mechanization	Developed Animal drawn Biasi plough	Cereals	Paddy		Rainfed	Completed	5	0.04	0.09	125	2	2	6	0	10
Mahasamund	2020	Rabi	Farm mechanization	Seed cum fertilizer drill for line sowing of chickpea	Pulses	Chickpea	RVG202	Irrigated	Ongoing	5	Result Awaited							

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation/Operation (Rs/ha)		Average 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	Field Capacity, ha/hr	0.04	0.09	2500	1110	-	-	-	-	1.99	2.14
Mahasamund	fertilizer drill for line sowing of chickpea	Chickpea	Yield, Q/ha	Result Awaited									

3.5 Details of FLDs on Animal Science implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.6 Economic Impact of Animal Science FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	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)

3.7 Details of FLDs on Fishery implemented during Jan-2020 to Dec-2020

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.8 Economic Impact of Fishery 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)

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

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Mahasamund	2020	-	Income Generation	paddy Straw Mushroom	paddy Straw Mushroom	Paddy Straw Mushroom									
Mahasamund	2020		Nutritional garden	For Nutritional security	Nutritional garden	layout for around the year nutrious vegitable production									

Economic Performance Home Science FLD: (Drudgery Reduction)

KVK name	Technology demonstrated	Performance Indicator / Parameter													
		Output *		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

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

KVK name	Technology demonstrated	Performance Indicator / Parameter									
		Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Mahasamund	FLD On paddy Straw Mushroom	30 kg	45 kg	1500	2000	3000	4500	500	1500	1:2	1:3

Economic Performance Home Science FLD: (For value addition)

KVK name	Technology demonstrated	Performance Indicator / Parameter											
		Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)											
		Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Wt. (kg)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T2 T1	T2
Mahasamund	layout for around the	Bhindi,Karela,lauki,	Palak,llal bhaji,khed	70	300	100	171	4	8	16	30	60	80	0	3	0	.3

	year nutrious vegitable production	taroi,tamatar Mirch, r	a,Taroi,lauki,karela, Mirch,tamtar,barbatti														

3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Mahasamund	Chickpea	Training on INM in Pulses	1	26	
Mahasamund	Blackgram	Training on INM in Pulses	1	29	
Mahasamund	Paddy	Training on use and operation of developed animal drawn implements	1	23	
Mahasamund	Chickpea	Training on importance and operation of seed cum fertilizer drill for line sowing of chickpea	1	27	
Mahasamund	Rice	Training on seed treatment and nursery management	2	25	
Mahasamund	Wheat	Training on crisscross sowing method	1	15	

3.11 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	line sowing	seed cum fertiliser drill for line sowing	This method saves seeds, time, and labour. Also mechanical weeding is	demonstration of sowing machine which can maintain plant to plant
Mahasamund	Marigold propagation by cutting	propagation in portray	early and uniform growth	To be adopted after conducting demonstration
Mahasamund	Nutrient Management	Soil Health Card based nutrient management for	The technology maintain the nutrient level for soil and crops and	apply nutrient on the basis of SHC for every crops
Mahasamund	Weed Management in Black gram	Use of Pre emergence Weedicide	Weed infestation was controlled in initial level that improves crop growth	Demonstration should be done in large area

Mahasamund	Demonstration of Criss-Cross sowing method of wheat in Mahasamund District	Seed cum Fertilizer Drill used for criss-cross sowing	This method improves plant population and suppress weed infestation	Demonstration should be done in large area
Mahasamund	Value addition of mushroom	Value addition	higher income than fresh mushroom	large area expansion

4.2. Feedback from KVK to Research System.

Name of KVK	**Feedback basic of OFT on Technology Tested**
Mahasamund	**Application of INM in pulse crop increase yield and Soil health also**
Mahasamund	**Soil Health Card based nutrient application increase crop yield and save the money also**
Mahasamund	Research on development of cost effective machinery for crop residue management after paddy harvesting
Mahasamund	marigold propagation through cutting should be promoted as it may be useful for farmers further new propagation methods should be worked out for getting early and uniform seedlings
Mahasamund	Dissemination of benefit of soil health card for maintenance of soil health and reduction of cost of cultivation
Mahasamund	In Mahasamund district especially in Baghbahra block, where OFT was tested the result indicated that the research is needed to evolve some post emergence weedicide especially for black gram and green gram crop.
Mahasamund	Research should be on increasing self life of mushroom

4.3. 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**

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 for Farmers
(*please fill all columns)

Name of KVK	Category (F &FW /FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
Mahasamund	F & FW	**OFC**	**Crop Production**	Weed Management	Weed management in Black Gram, ,mustard,chickpea and linseed	4	4	-	-	22	12	78	26	59	25
Mahasamund	F & FW	**OFC**	**Crop Production**	Cropping Systems	Double cropping in rainfed rice areas	1	1	8	4	10	6	12	4	12	2
Mahasamund	F & FW	**OFC**	**Crop Production**	Crop Diversification	Training on cultivation of sesame in rice-rice cropping system	5	5	10	-	26	13	42	13	52	20
Mahasamund	F & FW	**OFC**	**Crop Production**	Integrated Farming	Integrated farming system	1	1	-	-	15	5	18	-	8	5
Mahasamund	F & FW	**OFC**	**Crop Production**	Seed production	Seed production of Rice	2	2	-	-	-	-	-	-	32	12
Mahasamund	F & FW	**OFC**	**Crop Production**	Nursery management	Nurshery management in SRI method of Rice	2	2	-	-	-	-	-	-	32	12
Mahasamund	F & FW	**OFC**	**Crop Production**	Production of organic inputs	Organic farming	2	2	12	5	7	4	24	13	28	12
Mahasamund	F & FW	ONC	**Horticulture (Vegetable Crops)**	Nursery raising	Different types of Nursery beds and their uses	01	01	00	00	06	00	08	00	11	00
Mahasamund	F & FW	ONC	**Horticulture (Vegetable Crops)**	Protective cultivation	Cultivation of Tomato under Low cost protected structure	01	01	00	00	08	00	09	00	13	00
Mahasamund	F & FW	ONC	**Horticulture (Fruits)**	Cultivation of Fruit	Production technology of Papaya	01	01	00	00	02	00	07	00	19	00
Mahasamund	F & FW	ONC	**Horticulture (Fruits)**	Management of young plants/orchards	Care and Maintainace of Orchards	01	01	00	00	04	00	09	00	22	00
Mahasamund	F & FW	ONC	**Horticulture (Ornamental Plants)**	Propagation techniques of Ornamental Plants	Propagation of Marigold through cuttings	01	01	00	00	07	00	10	00	19	00
Mahasamund	F & FW	ONC	**Horticulture (Ornamental Plants)**	Production technology	Production technology of Marigold	01	01	00	00	00	07	00	04	00	14
Mahasamund	F & FW	ONC	**Horticulture(Tuber crops)**	Production and Management technology	Production technology of sweet potato	01	01	02	00	06	00	10	00	15	00
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Soil fertility management	Procedure of soil sampling and soil testing and importance of soil health card	2	2	3	-	16	2	13	2	19	2
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Integrated Nutrient Management	Integrated nutrient management in Rabi and Kharif crops	2	2	2	-	10	3	10	3	19	3

Name of KVK	Category (F &FW /FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Production and use of organic inputs	Vermicomposting technique , Various technique of organic farming	2	2	6	-	7	-	9	3	22	4
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Management of Problematic soils	Reclamation of Problematic soil	1	1	5	-	5	2	7	2	4	1
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Micro nutrient deficiency in crops	Deficiency Symptoms and their management of micronutrient	1	1	1	-	6	-	4	2	14	2
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Nutrient Use Efficiency	Biofertilizer application technology	2	2	5	-	12	2	17	2	8	1
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Balance Use of fertilizer	Importance and advances of balance fertilization	2	2	6	-	12	4	10	2	17	3
Mahasamund	F & FW	OFC	**Soil Health and Fertility Management**	Organic Farming	Various techniques of organic farming. Importance of organic farming	2	2	4	-	10	2	15	-	12	2
Mahasamund	F & FW	OFC	**Agril. Engineering**	Farm machinery & its maintenance	Importance of line sowing by see drill/planter	02	02	3	0	2	0	3	0	37	0
Mahasamund	F & FW	OFC			Importance of Farm machination for timely field operation	01	01	0	0	1	0	1	0	20	0
Mahasamund	F & FW	OFC	**Agril. Engineering**	Installation and maintenance of micro irrigation systems	Micro Irrigation system operation and maintenance	01	01	2	0	0	0	2	0	19	0
Mahasamund	F & FW	OFC	**Agril. Engineering**	Use of Plastics in farming practices	Plasticulture application in horticulture crops	01	01	1	0	2	0	1	0	22	0
Mahasamund	F & FW	OFC			Importance of mulching	01	01	2	0	2	0	0	0	21	0
Mahasamund	F & FW	OFC	**Agril. Engineering**	Production of small tools and implements	Operation and maintenance of improved animal drawn farm implements	02	02	0	0	3	0	5	0	38	0
Mahasamund	F & FW	OFC	**Agril. Engineering**	Others (Pl. Specify)	Crop diversification for efficient water utilization and doubling farmers income under KKA-III	5	5	0	0	0	0	0	0		
Mahasamund	F & FW	OFC	**Plant Protection**	Integrated Pest Management	Online training was conducted for insect pest identification and control	1	1	-	-	-	-	-	-	15	0
Mahasamund	F & FW	OFC	**Plant Protection**	Integrated Pest Management	Online Training conducted for management of Rice and Pigeon pea Insect Pest	1	1	-	-	-	-	-	-	15	0
Mahasamund	F & FW	OFC	**Capacity Building and Group Dynamics**	Leadership development	Leadership development	2	1	1	0	0	2	0	4	19	-
Mahasa	F &	OFC	**Capacity Building and**	Group dynamics	-	-	-	-	-	-	-	-	-	-	-

Name of KVK	Category (F &FW /FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
mund	FW		**Group Dynamics**												
Mahasamund	F & FW	OFC	**Capacity Building and Group Dynamics**	Formation and Management of SHGs	Formation and Management of SHGs	2	1	0	5	-	2	4	-	12	10
Mahasamund	F & FW	OFC	**Capacity Building and Group Dynamics**	Mobilization of social capital	-	-	-	-	-	-	-	-	-	-	-
Mahasamund	F & FW	OFC	**Capacity Building and Group Dynamics**	Entrepreneurial development of farmers/youths	Entrepreneurial development of farmers/youths	3	1	3	5	7	4	4	2	17	13
Mahasamund	F & FW	OFC	**Capacity Building and Group Dynamics**	WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-
Mahasamund	F & FW	OFC	**Capacity Building and Group Dynamics**	Others (Pl. Specify)	Use of Agricultural app for efficient farming	4	1	5	1	9	8	11	9	13	14
Mahasamund	F & FW	ONC	**Agro forestry**	Production technologies	Bamboo Orchard Development	01	01	03	00	05	00	07	00	22	00

Table 5.2. Details of Training Programmes conducted by the KVKs for Rural Youth

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	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**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Mahasamund	**RY**	ONC	**Others(Pl. Specify)**	Processing & Packaging of Horticultural Crops	02	05	00	00	00	02	00	03	00	09

Table 5.3. Details of Training Programmes conducted by the KVKs for Extension Personnel

Name of KVK	Category (IS)	Training Type (ONC/OFC)	Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	**2**	**3**	**4**		**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**
Mahasmund	**IS**		Integrated Nutrient management	practices of INM for crop production	1	1	1	-	5	1	4	-	11	5
Mahasmund	**IS**	ONC	**Others(Pl. Specify)**	Bamboo Orchard development	01	01	02	00	00	00	01	00	00	06

Table 5.4. Details of Vocational training programmes for Rural Youth conducted by the KVKs

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
Mahasmund	**Crop production and management**	Commercial floriculture													
Mahasmund	**Crop production and management**	Commercial fruit production													
Mahasmund	**Crop production and management**	Commercial vegetable production													
Mahasmund	**Crop production and management**	Integrated crop management													
Mahasmund	**Crop production and management**	Organic farming													
Mahasmund	**Crop production and management**	**Others**(Pl. Specify)													
Mahasmund	**Post harvest technology and value addition**	Value addition													
Mahasmund	**Post harvest technology and value addition**	**Others**(Pl. Specify)													
Mahasmund	**Livestock and fisheries**	Dairy farming													
Mahasmund	**Livestock and fisheries**	Composite fish culture													
Mahas	**Livestock and**	Sheep and goat rearing													

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
mund	**fisheries**														
Mahasmund	**Livestock and fisheries**	Piggery													
Mahasmund	**Livestock and fisheries**	Poultry farming													
Mahasmund	**Livestock and fisheries**	**Others(Pl. Specify)**													
Mahasmund	**Income generation activities**	Vermi-composting	Vermicompost production technology	Vermicompost	Nutrient management	2	2	4	-	7	2	9	2	16	4
Mahasmund	**Income generation activities**	Production of bio-agents, bio-pesticides,													
Mahasmund	**Income generation activities**	Bio-fertilizers etc.													
Mahasmund	**Income generation activities**	Repair and maintenance of farm machinery & implements													
Mahasmund	**Income generation activities**	Rural Crafts													
Mahasmund	**Income generation activities**	Seed production													
Mahasmund	**Income generation activities**	Sericulture													
Mahasmund	**Income generation**	Mushroom cultivation													

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
	activities														
Mahasmund	**Income generation activities**	Nursery, grafting etc.													
Mahasmund	**Income generation activities**	Tailoring, stitching, embroidery, dying etc.													
Mahasmund	**Income generation activities**	Agril. para0workers, para0vet training													
Mahasmund	**Income generation activities**	**Others(Pl. Specify)**													
Mahasmund	**Agricultural Extension**	Capacity building and group dynamics													
Mahasmund	**Agricultural Extension**	**Others(Pl. Specify)**													

Table 5.5. Sponsored Training Programmes

Name of KVK	Client (F &FW/FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	No. of courses	Duration (days)	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
mahasamund	F & FW		**Crop production and management**	**Others(Pl. Specify)**	Nursery Worker	01	40	0	0	01	12	0	02	0	05	ASCI Gurgaon (Haryana)	180000

Table 5.6. 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	

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Name of KVK	Title	Thematic area	Sub-theme	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		

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening		
Design and development of low/minimum cost diet		
Designing and development for high nutrient efficiency diet		
Minimization of nutrient loss in processing		
Processing and cooking		
Gender mainstreaming through SHGs		
Storage loss minimization techniques		
Value addition		
Women empowerment		
Location specific drudgery reduction technologies		
Rural Crafts		
Women and child care		
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture		

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2020

Area of Training	Jan-Dec-2020	
	Courses	Participants
Crop Production		
Horticulture		
Soil Health and Fertility Management		
Livestock Production and Management		
Agril. Engineering		
Plant Protection		
Fisheries		
Production of Input at site		
Capacity Building and Group Dynamics		
Agro forestry		

Table 5.10 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./ha or Rs./ year)		Impact on		
			Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Mahasamund	Farm mechanization	123	02	04	9.73	14.12	19120	32754	24 %	51	49.3
Mahasamund	Seed treatment & Line sowing	250	5	7	6.4	8.49	17470	27020	24.61	50	53
Mahasamund	Soil health management	236	3	6	35.6	48.2	66216	89652	26.14	46	48
Mahasamund	Improved production technology of vegetable crops	238	2	6			49216	82437	32.22	52	24
Mahasamund	Mushroom production	212	2	8	-	2 Kg/bag	-	15000	55	52	52
Mahasamund	Seed treatment & Line sowing	250	5	7	6.4	8.49	17470	27020	24.61	50	53

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass") *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
Mahasamund	Agri mobile clinic	-	-											
Mahasamund	Advisory Services	-	-											
Mahasamund	Plant/Animal Health Camp	12	-											
Mahasamund	Awareness programme	12	5	110	30	25	8	12	15	03	0	Awareness	Information about meghdoot app agriculture as well as weather forecast to the farmers	-
Mahasamund	Celebration of important days	7	12									awareness	Soil Health day,Swakchata Pakhwada	-
Mahasamund	Diagnostic visits	25	32	65	-	25	-	35	-	12	2	Weed and water management	Weed management in major kharif and rabi crops	Vegetative stages
Mahasamund	Exhibition	04	04	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	-	-
Mahasamund	Exposure visits	05	05	35	7	9	2	2	0	7	0	Visit to IARI	For learning Agricultural Practices at IARI	Mahasamund
Mahasamund	Extension literature	4	4											
Mahasamund	Ex-trainees Sammelan	2	1											
Mahasamund	Farmers visit to KVK	1000	458											
Mahasamund	Farm Science Club													
Mahasamund	Farmers Seminar/Workshop													
Mahasamund	Field Day	5	6	35	-	68	-	42	-	12	2	Technology Demonstration	Demo of linseed, mustard,chickpea,blackgram	Flowering and pod formation

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass") *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
														stage
Mahasamund	Film Show	1	4	39	22	9	3	4	0	2	1	Awareness	Soil health card,Mushroom production	-
Mahasamund	Group Discussion		10	75	-	70	-	70	-	12	2	Disccussion about mjor rabi and kharif crops	Production practice of major kharif and rabi crops	Sowing to harvesting stage
Mahasamund	Kisan Ghosthi/Sammelan	5	5									Awareness programme on world soil day	Soil health card	-
Mahasamund	Kisan Mela	-	-											
Mahasamund	Krishi Mahotsav	-	-											
Mahasamund	Lectures delivered as resource persons	20	42	mass								Production practice of major kharif and rabi crops	Production practice of major kharif and rabi crops	-
Mahasamund	Mahila Mandals conveners meetings	-	-											
Mahasamund	Method Demonstrations	2	12	25	22	11	8	2	4	5	1	Awareness	Seed treatment with Rhizobium culture in gram,Mushroom production	-
Mahasamund	Pradhanmantri phasal beema yojana	-	-	-	-	-	-	-	-	-	-	-	-	
Mahasamund	Scientific visit to farmers field	24	30	75	-	70	-	70	-	12	2	Disccussion about mjor rabi and kharif crops	Production practice of major kharif and rabi crops	Sowing to harvesting stage
Mahasamund	Self Help Group conveners meetings	1	2	0	18	0	7	0	3	1	1	Formation of group for Badi programme	Badi programme	-
Mahasamund	Soil health Camp	1	1							48				
Mahasamund	Soil test campaigns	1	1											
Mahasam	Special Day	-	3	19	43	2	7	-	7	-	-	Awareness	Savidhan Diwas,Mahila Diwas	

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no., "please don't give "mass") *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
und	Celebration (please specify name)												,farmers day Celebration	
Mahasamund	Technology Week	2	2											
Mahasamund	Others	-	-											

Mass media used for wide publicity

Name of media	Number of events/activity	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
CD/DVD				
Radio talks	9	Akashwani, Raipur	Raipur	Local
TV talks	-			
Newspaper coverage	20			
Kisan Mela	-			
Extension Litrature	4	Indira Kisan Mitan	KVK,Mahasamund	Local
Internet (Youtube)	-	-	-	-
Social media (Whats App, Facebook, Instagram, Twitter etc.)	Whats App	Whatsapp Group	Mahasamund	Local

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

7.1 KVK Newsletters (Jan to Dec. 2020)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Mahasamund	January to March 2019	Q1	500	500	farmers, officers
Mahasamund	April to June 2019	Q2	500	500	farmers, officers
Mahasamund	July to September 2019	Q3	500	500	farmers, officers
Mahasamund	October to December 2019	Q4	500	500	farmers, officers

7.2 Literature developed/published

KVK Name	Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
Mahasamund	Abstract		
Mahasamund	Book	1	250
Mahasamund	Book Chapter		
Mahasamund	Booklet		
Mahasamund	CD/DVD		
Mahasamund	Leaflets/ Folder/ Pamphlet	01	500
Mahasamund	Popular article		
Mahasamund	Research Paper		
Mahasamund	Technical Bulletin	01	500
Mahasamund	Training Manual		
Mahasamund	Technical Report		

Research paper /Review paper published during Jan to Dec. 2020

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety (pl. give the name of variety instead of local)	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Mahasamund	OilSeed	Mustard	CG Sarson-1	5.86	26370	75	30
Mahasamund	OilSeed	Linseed	Deepika	2.94	17346	25	10
Mahasamund	OilSeed	Sesamum	TKG-306	0.25	2725	12	5
Mahasamund	Pulses	Pigeon pea	Rajiv Lochan	1.75	10500	50	20
Mahasamund	Pulses	Pea	Arkel	0.49	735	-	-
Mahasamund	Vegetables	Fenugreek	RMT-305	0.50	1500	-	-
Mahasamund	Vegetables	Fenugreek	Kasturi	0.083	415	-	-
Mahasamund	Vegetables	Brinjal	Indira Safed	0.072	1440	4	-
Mahasamund	Vegetables	Brinjal	Pant Samrat	0.029	580	4	-
Mahasamund	Vegetables	Bottle Guard	Local	0.015	12	3	-
Mahasamund	Fodder	Oat	Kent	3.17	193.37	2	1
Mahasamund	Fodder	Maize	African Tall	8.00	13920	-	-
Mahasamund	Fodder	Sorghum	PC-23	5.00	0	3	5
Mahasamund	Coarse millet	Finger millet	Indira Ragi-1	3.00	14700	-	-
Mahasamund	Green Manure	Dhaincha	Local	1.00	6000	-	-
Mahasamund	Cereal	Paddy	Kubari Mohar	1.20	2580	-	-

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety (pl. give the name of variety instead of local)	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mahasamund	Fruit	Pomegranate	Bhagwa	2000	60000	200	
Mahasamund	Fruit	Guava	Allahabad Safeda	1500	60000	200	
Mahasamund	Fruit	Lemon	KonKan Seedless	2000	80000	200	
Mahasamund	Fruit	Orange	Konkan	1500	60000	200	
Mahasamund	Fruit	Karonda	Local	30000	600000	200	
Mahasamund	Fruit	Custard apple	Local	1500	30000	200	
Mahasamund	Fruit	Aonla	Local	9000	270000	200	
Mahasamund	Fruit	Jamun	Local	500	12500	20	
Mahasamund	Fruit	Bel	Local	2400	48000	10	

KVK Name	Major group/class	Name of Crop	Variety (pl. give the name of variety instead of local)	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mahasamund	Fruit	Papaya	Redledy	2000	50000	200	
Mahasamund	Fruit	Papaya	O.P.	5000	100000	200	
Mahasamund	Fruit	Tamarind	Local	300	9000	0	
Mahasamund	Fruit	Almond	Local	200	5000	0	
Mahasamund	Fruit	Jackfruit	Local	4500	112500	200	
Mahasamund	Vegetable	Lasoda	Local	200	6000	0	
Mahasamund	Vegetable	Drumstick	PKM-1	2000	40000	200	
Mahasamund	Vegetable	Tomato	Arka Rakshak, A. Samrat, A. Apeksha	10000	5000	200	
Mahasamund	Vegetable	Chilli	Arka Meghna, Arka harit	10000	5000	200	
Mahasamund	Vegetable	Capsicum	Dilshan	10000	5000	200	
Mahasamund	Vegetable	Brinjal	Indira Safed	50000	25000	200	
Mahasamund	Vegetable	Onion	Nasik Red	20000	10000	100	
Mahasamund	Vegetable	Cauliflower	Pusi	10000	5000	100	
Mahasamund	Vegetable	Cabbage	Savitri	10000	5000	100	
Mahasamund	Vegetable	Sweet Potato	CG Narangi, Indira Madhur, Shri Ratna	100000	300000	200	
Mahasamund	Vegetable	Kadi Patta	Local	300	7500	10	
Mahasamund	Forest Tree	Kachnar	Local	2000	50000	-	
Mahasamund	Forest Tree	Amaltash	Local	500	12500	-	
Mahasamund	Forest Tree	Gulmohar	Local	1040	41600	-	
Mahasamund	Forest Tree	Neem	Local	350	8750	20	
Mahasamund	Forest Tree	Salfi	Local	250	15000	-	
Mahasamund	Medicinal	Lemongrass	Krishna	50000	50000	3	
Mahasamund	Medicinal	Pamaroja		50000	50000	3	
Mahasamund	Fodder	Napier	COBN-5	100000	150000	20	

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

*** Name of product should follow same pattern**

KVK Name	List of 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.), if applied
	Bio Fertilizers	Non Symbiotic Azotobacter					
		Vermicompost	53808		271040	10	
		Azolla					
		Earthworms	13.18		5272	5	
		Compost					
		Blue green algae					
		NADEP	108000	36	432000/-	Used in KVK Farm	
		Sanjeewani Khad					
		Acetobactor					
		Aspergillius					
		Azatobactor					
		Azospirillum					
		Phosphate solublizing Bacteria					
		Rhizobium					
		Other (pl. sp.)					
	Bio-Food	Spirulina					
		Honey					
		Any Other (pl. sp.)					
	Bio Pesticides	Neem extract					
		Neem powder					
		Tobacco extract					
		Trichoderma viride					
		Trichoderma harjinum					
		Trichogramma chilonis					
		Beauveria bassiana					
		Metarhizium anisopliae					
		Pseudomonas fluorescens					
		SlNPV					

KVK Name	List of 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.), if applied
		HaNPV					
		GF1					
		Baco Lures					
		Heli Lures					
		Leucin Lures					
		Paeciliomyces					
		Panchagavya					
		Verticillium					
	Bio Agents (Tricho card)	Trichogramma chilonis					
		Chrysoperla carnea					
		Tricho card					
		Any other **(Pl. Specify)**					
	Bio Agents (Pyrilla parasitoids)	Ooincirtus papilionis					
		Epiricania melanolauca					
	Bio Agents(Worms)	Eisenia fetida	**13.18**		**5272**	**5**	
		Eudrilus eugeniae					
		Earth worm					
		Any other **(pl. specify)**					
	Others	Mushroom spawn	40	160	6400/-	50	
		Mineral Mixture					
		Cow dung (dry)					
		Any other **(pl. specify)**					

8.4 Livestock and fisheries production

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
	Dairy animals	Cow	Gir	Milk	Lit	3391	136343	59
		Calves	Gir	-	No.	17	-	-
		Goats	Barbari	Meat	No.	11	-	-
		Buffaloes						
		Sheep						
		Breeding bull						
		Other (pl specify)						
	Poultry	Poultry	Kadaknath	Meat	Kg	513	215493	47
		Japanese quail	Japanese	Meat	No.	445	17800	35
		Japanese quail Chick	Japanese	Chick	No.	8332	83320	27
		Japanese quail eggs	Japanese	Egg	No.	686	686	9
		Poultry Chick	Kadaknath	Chick	No.	2542	152320	32
		Poultry Egg	Kadaknath	Egg	No.	2220	17760	19
	Piggery	Piglets						
		Boar						
		Sow						
		Other (pl specify)						
	Fisheries	Indian carp	Grass Carp	Meat	Kg.	68.90	6890	16
		Exotic carp						
		Other (pl specify)						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2020:

KVK Name	Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
						by KVKs		By Department	By KVK		By Department				
		Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory				Through Mini Soil Testing kit	Through Soil testing laboratory
Mahasamund	2016-17	2	2	92	-	92	-	110	92	-	110	18	Nil	92	-

9.2 Details of water samples analyzed so far :

KVK Name	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Test report distributed to the farmers (Nos)

9.3 Details of Plant samples analyzed so far :

KVK Name	No. of Plant Samples analyzed	No. of Farmers	No. of Villages	Amount realized

10. Rainwater Harvesting

10.1. 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								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Mahasamund	17.08.20	Rainwater harvesting for water conservation	Farmers	01	2	0	1	0	17	0	1	0	21

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Mahasamund	01	02	-	238	28

11. Training Programmes on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Mahasamund	18.09.20	Micro Irrigation system operation and maintenance	Farmers	01	2	0	0	0	2	0	19	0	23

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Mahasamund	-	-	-	-	-	-

13. 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	NA	NA	NA	NA	NA

14. Details of SAC Meeting during Jan to Dec. 2020

KVK Name	Date of SAC meeting 2020	No. of SAC members (only) attended	Major action points*
Mahasamund	**17.07.20**	**38**	-

***Attached separate file.**

15. Footfall of farmers in KVKs (Jan. 2020 to Dec. 2020)

Name of KVK	Footfall during 2020			
	No. of Farmers	No. of officials	No. of VIPs	Total
Mahasamund	458	32	05	495

***Separate JPEG Photographs (2-3 only)**

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

KVK	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	1	Crop Management	Crop Production Technology	**15**	**18**	**18**	**83839**	**1142**	**87693**
			Integrated Farming	**15**	**18**	**18**	**83839**	**1142**	**87693**
			Field Preparation	**15**	**18**	**18**	**83839**	**1142**	**87693**
			Any Other (Specify)	**15**	**8**	**8**	**83839**	**1142**	**87693**
	2	Weather	Advisory	**17**	**18**	**18**	**83839**	**1142**	**87693**
			Change in variety	**17**	**18**	**18**	**83839**	**1142**	**87693**
			Change in Sowing technique	**17**	**18**	**18**	**83839**	**1142**	**87693**
			Climate forecast	**17**	**18**	**18**	**83839**	**1142**	**87693**
			Any Other (Specify)	**17**	**8**	**8**	**83839**	**1142**	**87693**
	3	Soil Management	Soil Testing	**15**	**7**	**7**	**83839**	**1142**	**87693**
			INM	**14**	**7**	**7**	**83839**	**1142**	**87693**
			Fertilizer Application	**13**	**7**	**7**	**83839**	**1142**	**87693**
			Vermicomposting/ bio-waste recycling	**12**	**7**	**7**	**83839**	**1142**	**87693**
			Bio-fertilizer	**12**	**7**	**7**	**83839**	**1142**	**87693**
			Any Other (Specify)	**6**	**7**	**7**	**83839**	**1142**	**87693**
	4	Disease & Pest	Disease Management	**15**	**8**	**8**	**83839**	**1142**	**87693**

KVK	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Management	Pest Management	**15**	**8**	**8**	**83839**	**1142**	**87693**
			Preventive Advisory Disease Management	**10**	**8**	**8**	**83839**	**1142**	**87693**
			Preventive Advisory Pest Management	**10**	**8**	**8**	**83839**	**1142**	**87693**
			Bio-pesticides	**8**	**8**	**8**	**83839**	**1142**	**87693**
			Any Other (Specify)	**6**	**8**	**8**	**83839**	**1142**	**87693**
	5	Nutrition Security & Women Empowerment	Nutrition Awareness	**15**	**7**	**7**	**83839**	**1142**	**87693**
			Kitchen garden	**15**	**7**	**7**	**83839**	**1142**	**87693**
			Value Addition and Processing	**12**	**7**	**7**	**83839**	**1142**	**87693**
			Drudgery Reduction	**5**	**7**	**7**	**83839**	**1142**	**87693**
			Entrepreneurship & Income Generation	**5**	**7**	**7**	**83839**	**1142**	**87693**
			Advisory	**10**	**7**	**7**	**83839**	**1142**	**87693**
			Any Other (Specify)	**4**	**7**	**7**	**83839**	**1142**	**87693**
	6	Horticulture	Vegetable	**17**	**15**	**15**	**83839**	**1142**	**87693**
			Fruit	**17**	**15**	**15**	**83839**	**1142**	**87693**
			Hi Tech Horticulture	**13**	**10**	**10**	**83839**	**1142**	**87693**
			Any Other (Specify)	**7**	**6**	**6**	**83839**	**1142**	**87693**
	7	Livestock	Feed and Fodder	**8**	**5**	**5**	**83839**	**1142**	**87693**
			Dairy Management	**8**	**5**	**5**	**83839**	**1142**	**87693**
			Fisheries	**8**	**5**	**5**	**83839**	**1142**	**87693**
			Poultry Management	**8**	**5**	**5**	**83839**	**1142**	**87693**
			Vaccination & Disease management	**8**	**5**	**5**	**83839**	**1142**	**87693**
			Any Other(Specify)	**4**	**5**	**5**	**83839**	**1142**	**87693**
	8	Farm Mechanization							
	9	Extension							
	10	Organic Farming							

KVK	S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	11	Marketing							
	12	Awareness							
	13	Other Enterprise							
	14	Any Other(Specify)							

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

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Mahasamund	NHB	Central	50,000	Awareness Cum Capacity building Workshop Considering Sabka Sath Sabka Vishwas	Horticultural Crops	Functional
Mahasamund	MGNAREGA	state	1279200	Phalodyan Staphana	Fruit Crops	Functional

18. Status of Contingency Utilization Jan-Dec-2020

Name of KVK	Total Contingency allotted (Rs.)	Fund used by KVKs (Rs)			Balance (Rs.)
		Activities	No of Activities	Exp (Rs)	
		OFT	**3**	**14031**	
		FLD **(other than CFLD)**			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme **(Pl. Specify)**			
		Others **(Pl. Specify)**			

19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2020 (Rs.)	Closing balance 31.12.2020 (Rs.)	Name of major source of revolving fund
Mahasamund	36711328700	557741.65	708324.53	KVK Farm produce

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Mahasamund	Young Scientist Award /Sh. Saket Dubey	Individual	National	Agricultural & Environmental Technology Development Society	0.00
Mahasamund	First Prize (Lemon)	Institutional	Regional	Prakrati ki Oor Society & Horticulture Department CG State	0.00

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
40	Fodder	Oat	JHO-822	Kent
40	Fodder	Oat	JO-1	
40	Fodder	Oat	RO-19	
40	Fodder	Oat	Kent	
40	Fodder	Barseem	BB-3	Wardan
40	Fodder	Barseem	Wardan	
40	Fodder	Barseem	BB-3	
40	Fodder	Barseem	BB-2	

22. 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 farm innovator with pin code	Mobile No.
1	Mahasamund	Shri Neki Sahu	Vermicompost production and mushroom cultivation	Village: Baronda Bazar, Tahsil: Mahasamund, District: Mahasamund	09131543370
2	Mahasamund	Shri Rajendra Sahu	Paddy straw Mushroom Production	Village: Patiapali, Tahsil: Basna, District: Mahasamund	09754366411
3	Mahasamund	Shri Milan Vishwakarma	Lac Cultivation	Village: Kurrubhata, Tahsil: Bagbahra, District: Mahasamund	09770122497, 076975837584
4	Mahasamund	Shri Gajanand Patel	Polyhouse flower production	Village: Chhaporadih, Tahsil: Mahasamund, District: Mahasamund	09977819939
5	Mahasamund	Shri Anil	Crop diversification in rabi crop for water saving	Village: Saradih, Block & District:	M:08770857448

		Chandrakar	(Wheat, pulse and oilseed in place of summer paddy)	Mahasamund	
6	Mahasamund	Shri Mohan Chandrakar	Organic farming of black rice and purple wheat	Village: Keshwa, Tahsil: Mahasamund, District: Mahasamund	M: 09977002275
7	Mahasamund	Shri G. R. Deewan	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

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Mahasamund	05.12.20	59
Mahasamund	17.07.20	38

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Mahasamund	05	1102	05	03	15	560

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and Awareness programmes etc.

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

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*

***Attached separate File**

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Mahasamund	Gariyabad , Raipur	SAC meeting	**10**	**9**	-

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Mahasamund	Proff. Gayaprasad	08.01.20	-	CCSHAU, Hissar	-	-
Mahasamund	Dr. Naween Kumar	12.02.20	-	CSKHPKV, Palampur	-	-
Mahasamund	Dr. V. K. Sood		-	CSKHPKV, Palampur		
Mahasamund	Dr. B. Ramanujan	27.02.20	-	ICAR-NBAIR, Bangalore	-	-
Mahasamund	Dr. S. C. Mukharjee	05.12.15	-	IGKV, Raipur	-	-

28. Status of KVK Website during Jan to Dec. 2020

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2020	No. of visitors during 2020	Flag Collected	Year Planner
1	Mahasamund	February 2014	www.kvkmahasamundcg.org	52	12006	1	Mahasamund

29. Mobile Apps developed by KVK

S.No	Name of KVK (Developer)	Name of Host organization	Title of Mobile App	Content (in one line)	Languages (in which app developed)	Number of downloads	Total expenditure incurred in developing app (Rs.)
-	-	-	-	-	-	-	-

30. ICT based module

30.1 Information on Whats app in social media by KVK

KVK	Discipline wise group with name of discipline	No of Farmer members	Activity details on whatsapp group
Mahasamund	-	-	-

30.2 Information on social media by KVK

KVK	Facebook			Twitter		Instragram	
	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
Mahasamund	-	-	-	**05**	**13**	-	-

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Mahasamund	04	04	

31. Status of Citizen Charter

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

32. Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	SS&H	4	
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Mahasamund	01	04

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	SS&H	06	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Mahasamund	05	10

34. Participation in HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Mahasamund	Shri Kunal Chandrakar	SMS (Soil Science)	01	21	Short Course
Mahasamund	Mrs. Rajni D. Agashe	SMS (Agril. Extension)	04	6	Short Course
Mahasamund	Er. Ravish Keshri	SMS (SWE)	02	21	Short Course
Mahasamund	Shri Deepanshu Mukharjee	SMS (Agricultural Meteorology)	01	21	Short Course

Mahasamund	**Shri S. M. Ali Humayun**	**PA, Entomology**	**01**	**21**	Short Course
Mahasamund	**Shri Kamalkant Lodhi**	**Farm Manager**	**01**	**21**	Short Course

Name of KVK	**Total Number of staff Attended HRD Programmes by KVK staff (nos)**	**Total Number of Programmes attended (Nos)**
Mahasamund	**06**	**10**

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

Name of KVK	**Situation observed**	**Date of Alert sent**	**Type of alert (KMA,**	**Reported to organization**
Mahasamund	-	-	-	-

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	**Types of Activities**	**No. of Activities**	**Number of Participants**	**Related crop/livestock /technology**
Mahasamund	Gosthies			
Mahasamund	Lectures organized	80	20	Nursery Raising of Horticultural crops
Mahasamund	Exhibition	01	150	Mushroom and Quail Production
Mahasamund	Film show	20	20	Horticultural Crop Production technology
Mahasamund	Fair			
Mahasamund	Farm/ Field Visit	15	15	Horticultural Crop
Mahasamund	Diagnostic Practical's			
Mahasamund	Distribution of Literature (No.)			
Mahasamund	Distribution of Seed (q)	10	200	Vegetable Crops under Poshan Badi Vikas Yojana
Mahasamund	Distribution of Planting materials (No.)	10	200	Fruit Plants Saplings under Poshan Badi Vikas Yojana
Mahasamund	Bio Product distribution (Kg)			
Mahasamund	Distribution of Bio Fertilizers (q)			
Mahasamund	Distribution of fingerlings			
Mahasamund	Distribution of Livestock specimen (No.)			
Mahasamund	Total number of farmers visited the technology week			
Mahasamund	Animal health camp			
Mahasamund	Awareness programme	01	108	Awareness Cum Capacity Building Workshop Considering Sabka Sath Sabka Vishwas under NHB scheme at KVK Seminar Hall on 11.02.2020

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Mahasamund	Demonstration			
Mahasamund	Exposure visit			
Mahasamund	Ex-trainees Meet			
Mahasamund	Farmer scientist interaction	01	108	Awareness Cum Capacity Building Workshop Considering Sabka Sath Sabka Vishwas under NHB scheme at KVK Seminar Hall on 11.02.2020
	Farmers Training			
	Gajarghans Unmulan Pakhwada			
	Group Meeting			
	Jai Kisan Jai Vigyan Sangoshthi			
	Plant Protection Week			
	Seed treatment campaign			
	Self Help Group convener meet			
	Soil health Camp			
	Swachha Bharat Abhiyan			
	Others (Pl. Specify)			

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breading/Feeding/ Health/ Housing)	Number of interactions	No. of participants

Animal health camps organized

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

Seed distribution in drought hit area

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

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Saplings				

Bio-control Agents

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

Bio-Fertilizer

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

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Mahasamund	Eisenia Foetida	0.12	5	20

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers

38. Information for TSP Jan-Dec-2020

Sl. No.	KVK	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
		No. of Trainings /Demos	No. of Farmers	No. of Trainings /Demos	No. of Women Farmers	No. of Trainings /Demos	No. of Youths	No. of Trainings /Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

39. Information for SCSP Jan-Dec-2020

Sl. No.	KVK	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participants in extension activities (No.)	Production of seed (q)	Production of Planting material (Number in lakh)	Production of Livestock strains (Number in lakh)	Production of fingerlings (Number in lakh)	Testing of Soil, water, plant, manures samples (Number)
		No. of Trainings/Demos	No. of Farmers	No. of Trainings/Demos	No. of Women Farmers	No. of Trainings /Demos	No. of Youths	No. of Trainings/Demos	No. of Ext. Person	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

40. Information for KSHAMTA Jan-Dec-2020

Sl. No.	State	Name of KVK	Number of Adopted Villages	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training

41. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village

1. **Technologies to be Demonstrated**

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

2**. Extension Activities**

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

3. **Training Programme**

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

42. Activities in DFI Village during Jan-Dec-2020

Information about DFI Village

Name of KVK	Block	Name of DFI Village	Total geographical area (ha)	House hold	Population
Mahasamund	Mahasamund	Lafinkhurd	861.09	580	2271

1. **Technologies Assessed (OFT) in DFI Village**

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area (ha)	No. of beneficiaries
	Increase in productivity of crops				
	Increase in production of livestock				
Mahasamund	Improvement in efficiency of input use (cost saving)	Fertilizer Application through use of Soil Health Card	05	0.4	05
	Increase in crop intensity				
	Diversification towards high value crops				
	Improved price realization by farmers and market linkage				

2. **Technologies Demonstrated (FLD) in DFI Village**

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area (ha)	No. of beneficiaries
Mahasamund	Increase in productivity of crops	Demonstration of Nutrition garden		0.4	05
Mahasamund	Increase in production of livestock				
Mahasamund	Improvement in efficiency of input use (cost saving)				
Mahasamund	Increase in crop intensity				
Mahasamund	Diversification towards high value crops				
Mahasamund	Improved price realization by farmers and market linkage				

3. **Training Programme conducted in DFI Village**

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Mahasamund	training on Mangos preservation	01	01	00	00	00	02	00	03	00	11	15
Mahasamund	Value Addition in Papaya	01	01	00	00	00	00	00	04	00	14	18

4**. Extension Activities in DFI Village**

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	

43. Activities in Nutri-Smart Village during Jan-Dec-2020

Information about Nutri-Smart Village

Name of KVK	Block	Name of Nutri Smart Village
Mahasamund	Mahasamund	Lafinkhurd

1. **Technologies Assessed (OFT) in Nutri Smart Village**

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) **(m^2)**				
	Bio-fortified Crops (activity in no. of Unit) **(ha)**				
Mahasamund	Value addition (activity in no. of Unit/Enterprise)	Value addition in Papaya	01	00	05
Mahasamund	Value addition (activity in no. of Unit/Enterprise)	Mango Preservation	01	00	05
	Other Enterprises (activity in no. of Unit/Enterprise)				
	Income generation (activity in no. of Unit/Enterprise)				
	Drudgery reduction (activity in no. of Unit/ Enterprise)				

2. **Technologies Demonstrated (FLD) in Nutri Smart Village**

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
Mahasamund	Nutritional Garden (activity in no. of Unit) **(m^2)**	Demonstration of Nutrition Garden	05	0.4	05
	Bio-fortified Crops (activity in no. of Unit) **(ha)**				
	Value addition (activity in no. of Unit/Enterprise)				
	Other Enterprises (activity in no. of Unit/Enterprise)				
	Income generation (activity in no. of Unit/Enterprise)				
	Drudgery reduction (activity in no. of Unit/Enterprise)				

3. **Training Programme conducted in Nutri Smart Village**

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Mahasamund	training on Mangos preservation	01	01	00	00	00	02	00	03	00	11	15
Mahasamund	Value Addition in Papaya	01	01	00	00	00	00	00	04	00	14	18

4**. Extension Activities in Nutri Smart Village**

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	

44. (a) Case study / Success Story– (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	

❖ **2-3 Photographs with caption in .jpeg format.**

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	**Mahasamund**	**05**	**-**