

# **ANNUAL ACTION PLAN**

**January 2020 to December 2020**

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## **Instructions for Filling the Format**

1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.
2. Do not merge columns, rows.
3. Please repeat the name of KVK in each table in the column "Name of KVK"
4. Do not fill the non-numerical values in numeric field
5. Do not repeat the unit while reporting data as it is already mentioned in the heading row
6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit
7. Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)
8. Additional relevant information may be provided at the end of Format by creating heading "Additional Information"
9. Also read the instructions mentioned just below the table
10. Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format
11. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.
12. Grey color cells in summary table need not to be filled.
13. Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).  
Vegetable:- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Lady finger).  
Fruits:- Mango, Guava, Custard apple, Pear etc.  
Spices:- Black Peeper, Turmeric, Ginger, Cardamom etc.

## PERIOD – January 2020 to December 2020

### Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
<b>Mahasamund</b>	OFTs					
<b>Mahasamund</b>	FLDs – Oilseeds (activity in ha)					
<b>Mahasamund</b>	FLDs – Pulses (activity in ha)					
<b>Mahasamund</b>	FLDs – Cotton (activity in ha)					
<b>Mahasamund</b>	FLDs – Other than Oilseed and pulse crops(activity in ha)					
<b>Mahasamund</b>	FLDs – Other than Crops (activity in no. of Unit/Enterprise)					
<b>Mahasamund</b>	Training-Farmers and farm women					
<b>Mahasamund</b>	Training-Rural youths					
<b>Mahasamund</b>	Training- Extension functionaries					
<b>Mahasamund</b>	Extension Activities					
<b>Mahasamund</b>	Seed Production (Number of activity as seeds in quintal)					
<b>Mahasamund</b>	Planting material ((Number of activity as quantity of planting material in quintal)					
<b>Mahasamund</b>	Seedling Production (Number of activity as number of seedlings in numbers)					
<b>Mahasamund</b>	Sapling Production (Number of activity as number of sapling in numbers)					
<b>Mahasamund</b>	Other Bio- products (No. of quantity)					
<b>Mahasamund</b>	Live stock products					
<b>Mahasamund</b>	Activities of Soil and Water Testing Laboratory					
<b>Mahasamund</b>	Rainwater Harvesting System					
<b>Mahasamund</b>	Kisan Mobile Advisory (KVK-KMA)					

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
<b>Mahasamund</b>	SAC Meeting (Date & no. of core/ official members)					
<b>Mahasamund</b>	Literature to be Developed/Published					
<b>Mahasamund</b>	Convergence programmes / Sponsored programmes					
<b>Mahasamund</b>	Utilization of Farmers Hostel					
<b>Mahasamund</b>	Utilization of Staff Quarters					
<b>Mahasamund</b>	Details of KVK Agro-technological Park					
<b>Mahasamund</b>	Crop Cafeteria-					
<b>Mahasamund</b>	Farm Innovators- list of 10 farm innovators from the District					
<b>Mahasamund</b>	Status of Revolving Funds					
<b>Mahasamund</b>	Awards and Recognitions					
<b>Mahasamund</b>	Case study / Success Story to be developed					
<b>Mahasamund</b>	KVK Progressive Farmers interaction					
<b>Mahasamund</b>	Outreach of KVK in the District (No. of blocks, no. of villages)					
<b>Mahasamund</b>	Technology Demonstration under Tribal Sub Plan					
<b>Mahasamund</b>	KVK Ring					
<b>Mahasamund</b>	Important visitors to KVK					
<b>Mahasamund</b>	Status of KVK Website					
<b>Mahasamund</b>	Status of RTI					
<b>Mahasamund</b>	E-connectivity					
<b>Mahasamund</b>	Details of Technology Week Celebrations					
<b>Mahasamund</b>	Interventions on Drought Mitigation					
<b>Mahasamund</b>	Sansad Adarsh Gram					
<b>Mahasamund</b>	Other Activities					

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

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	03	16	13

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)	43250	22.09.12	OBC
Mahasamund	SMS/ Scientist 1	Shri.H.S.Tomar	Agronomy	M.Sc.	Agronomy	15600 - 39100 + 5400 (AGP)	20440	13.11.07	GEN
Mahasamund	SMS/ Scientist 2	Shri. Saket Dubey	Horticulture	M.Sc.	Horticulture	15600 - 39100 + 5400 (AGP)	20440	06.09.12	GEN
Mahasamund	SMS/ Scientist 3	Shri Arvind Nandanwar	LPM	M.V.sc.	Animal science	15600 - 39100 + 5400 (AGP)	20440 +	24.09.12	GEN
Mahasamund	SMS/ Scientist 4	Shri Kunal Chandrakar	Soil Science	M. Sc.	Soil Science	15600 – 9100 + 5400 (AGP)	18950	16.09.14	OBC
Mahasamund	SMS/ Scientist 5	Er. Ravish Keshri	Soil & Water Engineering	M. E.	Irrigation Water Management Engineering	15600 - 39100 + 5400 (AGP)	18950	20.10.14	GEN
Mahasamund	SMS/ Scientist 6	Dr (Mrs.) Nivedita Pathak	Home Science	M. H. Sc.	Home science	15600 - 39100	27340	9.10.18	GEN

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specialization	Pay scale	Present pay	Date of joining	Category
						+ 5400 (AGP)			
Mahasamund	Programme Assistant	Mr. S. M. Ali Humayun	Entomology	M.Sc.	Entomology	9300 - 34600 + 4200 (AGP)	11470	27.10.14	GEN
Mahasamund	Farm Manager	MR. Kamal Lodhi	Agronomy	M.Sc.	Agronomy	9300- 34600 + 4200 (AGP)	9300	31.10.19	OBC
Mahasamund	Computer Programmer	Smt.Punitha Kartikeyan	Computer Science	MCA, M. Phil	Computer Science	9300 - 34600 + 4200 (AGP)	11940	29/07/13	GEN
Mahasamund	Accountant / superintendent	Vacant	-	-	-	-	-	-	-
Mahasamund	Stenographer	Vacant	-	-	-	-	-	-	-
Mahasamund	Driver	Shri B. P. Dhruw	-	Primary	-	5200-20200 + 2200 (AGP)	14280	20/12/2005	ST
Mahasamund	Driver	Mr.Rajesh Markandey	-	10th	-	5200-20200 + 1900 (AGP)	7180	02/04/2013	SC
Mahasamund	Supporting staff, if any	Shri Khayal Das Vaishnav	-	-	-	4750-7440 + 1300 (AGP)	7670	04/02/2006	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 pre school 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	Lack of knowledge and unawareness about proper agricultural produce storage. Participatory group	Mahasamund, Bagbahra, pithora,



	discussion among the farmers and extension functionaries	discussion among the farmers and extension functionaries	Basna, Saraipali
Mahasamund	Low productivity of fish pond Participatory group discussion among the farmers and extension functionaries	Low productivity of fish pond Participatory group discussion among the farmers and extension functionaries	Mahasamund, Bagbahra, pithora, Basna, Saraipali
Mahasamund	High yield losses due to weeds and Pest Participatory group discussion among the farmers and extension functionaries.	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)

### Note-

- ❖ Thematic area should be spelled correct and select only on the given list.
- ❖ Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.
- ❖ Don't press enter key to navigate among column use arrow or tab key
- ❖ don't add space before or after statement within the table cell
- ❖ Kindly mention realistic estimated yield of your crop under trail.
- ❖ If crop has been not yet harvested, mark it \* on that

### Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
<b>OFT/FLD on Crops</b>	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m <sup>2</sup>
Varietal Evaluation	Plant Height( cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation ( %), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height( cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m <sup>2</sup>
	No of Panicles/m <sup>2</sup>
	No of Tillers/hills
	No of Bulb weight(g)

	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
<b>OFT/FLD on Agriculture Engineering</b>	
Farm Mechanization	Yield (q/ha)
Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
<b>OFT/FLD on Animal Science</b>	
<b>Animal Feed / Fodder Management</b>	<b>Milk yield (Lit/day/animal)</b>
<b>Animal Disease Management</b>	<b>Change in body weight(kg)</b>
<b>Animal Nutrition Management</b>	<b>Egg Production/bird/year</b>
<b>Livestock production &amp; management</b>	<b>% decrease in Worm</b>
<b>Animal breed evaluation</b>	<b>Parasite control (%)</b>
<b>Poultry Production and management</b>	<b>Body weight at 6 month (kg/goat)</b>
	<b>Parasite infestation (%)</b>
	<b>Live weight (kg/bird) at 3 Month</b>
	<b>Growth Rate (90 days)</b>
	<b>Yield q/ha (Fodder)</b>
	<b>Mortality %</b>
	<b>Feed intake(%)</b>
	<b>Disease infestation(%)</b>
<b>OFT/FLD on Fisheries</b>	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	

Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

## 2.1 Information about OFT:

### OFT 1:

<b>Title of on-farm trial:</b>	<b>Refinement of Under Testing Paddy cultivar RRF-105 of IGKVV Raipur with Trico derma and dry seeded Rice Technique</b>
<b>Year/Season:</b>	Kharif 2020
<b>Farming situation:</b>	irrigated
<b>Problem diagnosis:</b>	Farmers are needed suitable variety for upland condition & low yield under traditional broadcasting method
<b>Thematic area:</b>	Varietal Evaluation
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Refinement
<b>Details of technology selected for assessment/ refinement:</b>	
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 Techni
T3- Recommended Practice-	
<b>Date of sowing:</b>	June-july
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKVV Raipur
<b>Characteristics of technology:</b>	-
<b>Name of Crop/Enterprises:</b>	Paddy
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## OFT 2:

<b>Title of on-farm trial:</b>	<b>Assessment of high yielding variety of wheat under late sown irrigated conditions</b>
<b>Year/Season:</b>	Rabi 2020-21
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Farmers are needed suitable variety of wheat under late sown irrigated conditions
<b>Thematic area:</b>	Varietal Evaluation
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Farmers are continuously grown ten year old varieties by traditional broadcasting method
T2 –Recommended Practice-	high yielding variety (RATAN) of wheat under late sown irrigated conditions
<b>Date of sowing:</b>	To be sown
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKV Raipur
<b>Characteristics of technology:</b>	Varietal Evaluation
<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## OFT 3:

<b>Title of on-farm trial:</b>	Assessment of Soil health card based nutrient management in paddy
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield due to improper nutrient management and without recommendation of soil health card
<b>Thematic area:</b>	Nutrient Management

<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	SHC based nutrient management
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKV Raipur
<b>Characteristics of technology:</b>	
<b>Name of Crop/Enterprises:</b>	Paddy
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

#### OFT 4:

<b>Title of on-farm trial:</b>	Assessment of Soil health card based nutrient management in Wheat
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield due to improper nutrient management and without recommendation of soil health card
<b>Thematic area:</b>	Nutrient Management
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	SHC based nutrient management
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKV Raipur
<b>Characteristics of technology:</b>	

<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## OFT 5:

<b>Title of on-farm trial:</b>	<b>Assessment of row transplantation of paddy by paddy transplanter</b>
<b>Year/Season:</b>	2020 Kharif
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	<b>Less efficiency, problems of labour, non uniformity in transplanting</b>
<b>Thematic area:</b>	<b>Farm Mechanization</b>
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
T1 – Farmers Practice-	Manual transplanting
T2 –Recommended Practice-	line transplanting of Paddy by paddy transplanter
T3- Recommended Practice-	-
<b>Date of sowing:</b>	Kharif
<b>Date of harvesting:</b>	-
<b>Source of technology:</b>	IGKV, Raipur
<b>Characteristics of technology:</b>	line transplanting, less time
<b>Name of Crop/Enterprises:</b>	paddy
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**OFT 6:**

<b>Title of on-farm trial:</b>	<b>Assessment of paddy crop residue management by tractor operated Bailer</b>
<b>Year/Season:</b>	Rabi/kharif 2020
<b>Farming situation:</b>	Irrigated/unirrigated
<b>Problem diagnosis:</b>	Burning of paddy crop residue after harvesting of paddy
<b>Thematic area:</b>	farm mechanisation
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
T1 – Farmers Practice-	Burning
T2 –Recommended Practice-	bundling of para by tractor operated bailer
T3- Recommended Practice-	-
<b>Date of sowing:</b>	NA
<b>Date of harvesting:</b>	NA
<b>Source of technology:</b>	IGKV, Raipur
<b>Characteristics of technology:</b>	crop residue management in less time and making bundle for further use as feeding to animals or use for mushroom cultivation
<b>Name of Crop/Enterprises:</b>	-
<b>Recommendations for Farmers</b>	-
<b>Recommendations for Deptt. Personnel</b>	-
<b>Feedback</b>	-

**OFT 07:**

<b>Title of on-farm trial:</b>	Assessment of Improved variety of Kharif Onion
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Rainfed
<b>Problem diagnosis:</b>	No onion production in Kharif Season
<b>Thematic area:</b>	Varietal Assessment



<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Onion in Rabi Season Only
T2 –Recommended Practice-	Onion Production in Kharif Season besides Rabi Season
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKV Raipur
<b>Characteristics of technology:</b>	
<b>Name of Crop/Enterprises:</b>	Onion
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## OFT 8:

<b>Title of on-farm trial:</b>	Assessment of Improved Variety of Papaya
<b>Year/Season:</b>	Kharif 2019
<b>Farming situation:</b>	Rainfed
<b>Problem diagnosis:</b>	Lack of Awareness about improved varieties of papaya.
<b>Thematic area:</b>	Crop Production
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Use of Unidentified Variety by majority of Farmers and Red Lady by Big Farmers
T2 –Recommended Practice-	Use of Variety <b>Honey Gold</b>
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	July 2019
<b>Source of technology:</b>	

<b>Characteristics of technology:</b>	
<b>Name of Crop/Enterprises:</b>	
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## OFT 9:

<b>Title of on-farm trial:</b>	Assessment of Enhancement of Staminate flowers in Bottle Gourd by application of Ethrel
<b>Year/Season:</b>	2020
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	More number of Staminate Flowers resulting in lower productivity
<b>Thematic area:</b>	Crop Production
<b>No of trials:</b>	05
<b>No. of farmers involved</b>	05
<b>Type of OFT (Assessment/ Refinement):</b>	<b>Assessment</b>
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	No use of PGR
T2 –Recommended Practice-	Application of Ethrel for increasing number of Female flowers
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKV Raipur
<b>Characteristics of technology:</b>	
<b>Name of Crop/Enterprises:</b>	Bottle Gourd
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## 2.2. Information about Extension OFT:

<b>Title</b>	
<b>Season &amp; Year</b>	
<b>Problem identified</b>	
<b>Thematic Area</b>	
<b>Farming situation</b>	
<b>Name of Technology under study</b>	
<b>Farmers Practice</b>	
<b>No. of replication (Farmers)</b>	

## 2.3. Information about Home Science OFT

### OFT 1:

<b>Title of on-farm trial:</b>	Assessment of Value added product from mushroom for Income Generation of Farm women
<b>Year/Season:</b>	Rabi/kharif
<b>Problem diagnosis:</b>	Low income of Farm Family and wastage of mushroom in surplus condition
<b>Thematic area:</b>	Income Generation
<b>No of trials:</b>	4
<b>No. of farmers/farm women involved</b>	10
<b>Type of OFT (Assessment/ Refinement):</b>	Refinement
<b>Details of technology selected for assessment:</b>	
T1 – Farmers Practice-	Use only fresh mushroom
T2 –Recommended Practice-	pickle, papad, Lai bari and its packaging
<b>Source of technology:</b>	
<b>Characteristics of technology:</b>	value addition
<b>Name of Crop/Enterprises:</b>	mushroom
<b>Farming situation:</b>	NA
<b>Date of sowing:</b>	NA
<b>Date of harvesting:</b>	NA

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

(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 <sub>1</sub> (Farmers Practices)							
T <sub>2</sub> (Recommended Practices)							
T <sub>3</sub> (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

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 <sub>1</sub> (Farmers Practices)	Taste, keeping quality,					
T <sub>2</sub> (Recommended Practices)	Taste, keeping quality, flavour, appearance					
T <sub>3</sub> (Recommended Practices)						

## Home Science OFT: 2

**Name of Enterprise:** - Assessment of Nutritional enhancement of preschool stunt children through incorporation of paushtik Dhuska (Moti Roti) **(For Nutritional security)**.....

<b>Title of on-farm trial:</b>	Assessment of Nutritional enhancement of preschool stunt children through incorporation of paushtik Dhuska (Moti Roti)
<b>Year/Season:</b>	NA

<b>Problem diagnosis:</b>	Mal Nutrition among preschool children
<b>Thematic area:</b>	Nutritional Security
<b>No of trials:</b>	4
<b>No. of farmers/farm women involved</b>	10
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment:</b>	
T1 – Farmers Practice-	use of imbalanced nutrition diet
T2 –Recommended Practice-	paushtik Dhuska (Moti Roti)
<b>Source of technology:</b>	-
<b>Characteristics of technology:</b>	balance nutrition
<b>Name of Crop/Enterprises:</b>	paushtik Dhuska (Moti Roti)
<b>Farming situation:</b>	NA
<b>Date of sowing:</b>	NA
<b>Date of harvesting:</b>	Na
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

(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 <sub>1</sub> (Farmers Practices)	Simple diet								
T <sub>2</sub> (Recommended Practices)	Simple diet with supplementation of paushtik Dhuska (Moti Roti)								

### 3. Achievements of Frontline Demonstrations (FLD)

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

KVK Name	Year	Season	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 <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Mahasamund	2019-20	Rabi	Varietal replacement & Crop management	Demonstration of Criss-Cross sowing method of wheat in Mahasamund District	Cereals	Wheat	Ratan	Irrigated	Ongoing	5								
Mahasamund	2020	Kharif	Weed Management	Demonstration of weed management in Groundnut	Oilseeds	Groundnut	Dharni	rainfed	To be sown	5								
Mahasamund	2020-21	Rabi	Varietal replacement & Crop management	Demonstration of line sowing Mustard Variety: Chhattisgarh Sarson	Oilseeds	Mustard	Chhattisgarh Sarson	Irrigated	To be sown	5								
Mahasamund	2020	Kharif	Integrated nutrient management	Application of 75% (N:P:K-20:40:20 kg/ha.) with	Pulses	Black gram	MASH-479	Rainfed		2.4								

				Rhizobium + PSB @10g/kg of seed & FYM 5 ton/ha.														
Maha samund	2020	Rabi	Integrated nutrient management	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.	Pulses	Chick pea	JG-14	irrigated		2.4								
Maha samund	2020	Rabi	Crop Production	Improved Variety	Vegetable	Cowpea	Kashi Kanchan	irrigated		0.4								
Maha samund	2020	Kharif	Crop Production	Improved Variety	Spices	Ginger	Suprabha	Rainfed		0.4								
Maha samund	2020	Rabi	Crop Production	Improved Variety	Spices	Coriander	Gujarat Dhanial	irrigated		0.4								

### 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		

### 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) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Mahasamund	2020	Kharif	Farm mechanisation	animal drawn biasi plough	Cereal	Paddy	-	rainfed	-	5	-	-	-	-	-	-	-	-
Mahasamund	2020	Rabi	Farm Mechanisation	Line sowing of chickpea by seed cum fertiliser drill	pulse	chickpea	-	irrigated	-	5	-	-	-	-	-	-	-	-

### 3.4 Economic Impact of Agriculture Engineering 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		

### 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) / Entr	Results (q/ha)		% change	No. of farmers				
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total



										ep - No.									

### 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		

### 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) / Enterprise - No.	Results (q/ha)		% change	No. of farmers					
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		

### 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 <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total	
Mahasamund	2020	Kharif and rabi	Nutritional Security	Demonstration on Nutritional garden for 200sq meter area	Vegetables	Lay out for round the year vegetable	200 sq meter									
Mahasamund	2020	Rabi	Value addition	Demonstration of paddy straw Mushroom	Mushroom	paddy straw mushroom	paddy straw mushroom									
Mahasamund	2020	Karif	Nutritional Security	Demonstration on Zinc rich variety Zinco rice MS (26-28 ppm	Paddy	Zinco Rice MS	2									

### 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			
Mahasamund	Demonstration on value added product from Mushroom	Fresh mushroom and dry Mushroom	Mushroom pickle – Fresh Mushroom- 1kg Oi-200 ml Salt –according to taste Vinegar-1cup Mustard seed													

### Economic Performance Home Science FLD: (For Nutritional security)

KVK name	Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)						Anthropometric measurements									
		Name of Product		Per capita Consumption gm/ day		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)))			
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T2	T1	T2	T1	T2	T1	T2	
Mahasamund	Demonstration on Zinc rich variety Zinco rice MS (26-28 ppm)	Local variety	Zinco rice MS																		
Mahasamund	Demonstration Nutritional Garden in 200 m <sup>2</sup> area for farm family against malnutrition in farm women		Tomato ,chilli ,carrot, cow pea, leafy vegetable																		

### 3.10 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Mahasamund	Rice,Wheat and Mustard	Training and field day	6	300	training

### 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

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

Name of KVK	Feedback basic of OFT on Technology Tested

##### 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

**Table 5.1. Details of Training programmes conducted by the KVKs for Farmers**

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 wheat	4	4											
Mahasamund	F&FW	OFC	Crop Production	Cropping Systems	Double cropping in rain fed rice areas	2	2											
Mahasamund	F&FW	OFC	Crop Production	Crop Diversification	Training on cultivation of sesame in rice-rice cropping system	1	1											
Mahasamund	F&FW	OFC	Crop Production	Integrated Farming	Integrated farming system	2	2											
Mahasamund	F&FW	OFC	Crop Production	Micro irrigation/irrigation	Irrigation management in wheat	1	1											
Mahasamund	F&FW	OFC	Crop Production	Seed production	Seed production of rice	1	1											
Mahasamund	F&FW	OFC	Crop Production	Nursery management	Nursery management in SRI method	1	1											
Mahasamund	F&FW	OFC	Crop Production	Integrated Crop Management	Integrated Crop Management	1	1											
Mahasamund	F&FW	OFC	Crop Production	Soil & water conservation	Soil & water conservation	1	1											
Mahasamund	F&FW	OFC	Crop Production	Integrated nutrient Management	Integrated nutrient Management	1	1											
Mahasamund	F&FW	OFC	Crop Production	Production of organic inputs	Organic farming	1	1											
Mahasamund	F & FW	ONC	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Training and Pruning in Fruit crops	01	01											
Mahasamund	F & FW	ONC	Horticulture (Fruits)	Cultivation of Fruit	Improved Production technology of Papaya	01	01											
Mahasamund	F & FW	ONC			Improved Production technology of Guava	01	01											
Mahasamund	F & FW	ONC			Improved Production technology of Pomegranate	01	01											

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	ONC	Horticulture (Fruits)	Management of young plants/orchards	Management of young plants/orchards	01	01												
Mahasamund	F & FW	ONC	Horticulture (Fruits)	Plant propagation techniques	Improved propagation techniques of Guava	01	01												
Mahasamund	F & FW	ONC			Improved propagation techniques of Pomegranate	01	01												
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	02	02												
Mahasamund	F & FW	ONC			Procedure of soil sampling and soil testing and importance of soil health card	01	01												
Mahasamund	F & FW	ONC	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in Rabi and Kharif crops	01	01												
Mahasamund	F & FW	OFC	Soil Health and Fertility Management	Production and use of organic inputs	Vermicomposting technique , Various technique of organic farming	01	01												
Mahasamund	F & FW	OFC	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency Symptoms and their management of micronutrient	01	01												
Mahasamund	F & FW	OFC	Soil Health and Fertility Management	Nutrient Use Efficiency	Biofertilizer application technology	02	02												
Mahasamund	F & FW	OFC	Soil Health and Fertility Management	Balance Use of fertilizer	Importance and advances of balance fertilization	01	01												
Mahasamund	F & FW	OFC	Soil Health and Fertility Management	Organic Farming	Various techniques of organic farming. Importance of organic farming	02	02												
Mahasamund	Farm Women	OFC	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Training on Nutritional Garden in kharif and Rabi 2020	02													
Mahasamund	Farm Women	OFC	Home Science/Women empowerment	Design and development of low/minimum cost diet	Training on value addition of rice product through beet root and tomato.	02													
Mahasamund	Farm Women	OFC	Home Science/Women empowerment	Minimization of nutrient loss in processing	Training on proper cooking method.	02													
Mahasamund	Farm Women	ONC	Home Science/Women empowerment	Value addition	Value addition of Mushroom, different vegetables, Fruits.	03													

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	Farm Women	OFC	Home Science/Women empowerment	Women empowerment	Training on women empowerment through Income generation activity	01													
Mahasamund	Farm Women	ONC	Home Science/Women empowerment	Location specific drudgery reduction technologies	Training on Drudgery reduction of Farm women by Ground Nut Decorticator	02													
Mahasamund	Farm Women	OFC	Home Science/Women empowerment	Women and child care	Training on health care of pregnant and lactating mother	02													
Mahasamund	Farm Women	OFC	Home Science/Women empowerment	Others (Pl. Specify)	Training on composting of biodegradable waste under SBM.	04													
Mahasamund	F & FW	OFC	Agril. Engineering	Farm machinery & its maintenance	Importance of line sowing by see drill/planter	02	02												
Mahasamund	F & FW	OFC	Agril. Engineering		importance of Farm machination for timely field operation	01	01												
Mahasamund	F & FW	OFC	Agril. Engineering	Installation and maintenance of micro irrigation systems	Micro Irrigation system installation and maintenance	02	02												
Mahasamund	F & FW	OFC	Agril. Engineering		Fertigation for efficient application of nutrients	01	01												
Mahasamund	F & FW	OFC	Agril. Engineering	Use of Plastics in farming practices	Plasticulture application in horticulture crops	02	02												
Mahasamund	F & FW	OFC	Agril. Engineering		Importance of mulching	02	02												
Mahasamund	F & FW	OFC	Agril. Engineering	Production of small tools and implements	Operation and maintenance of improved animal drawn farm implements	02	02												
Mahasamund	Farm Women	OFC and ONC	Production of Input at site	Mushroom production	Training on Mushroom and Spawn Production Technology	04													
Mahasamund	Farm Women	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Training to different SHGs on Income generation activity.														

**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	Seed production	Seed production	2	2									
Mahasamund	RY	ONC	Vermi culture	Training on Vermicompost Producer	01	03									
Mahasamund	RY	ONC	Mushroom Production	Training on Production technology of Mushroom	02										
Mahasamund	RY	ONC	Value addition	Value addition of Mango and papaya	02										
Mahasamund	RY	ONC	Post Harvest Technology	Value addition of Mushroom.	02										
Mahasamund	RY	ONC		Post Harvest Management & Processing of Fruits and Vegetable crops	01	06									

**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	5	6	7	8	9	10	11	12	13	14	15	
Mahasamund	IS	ONC	Productivity enhancement in field crops	Productivity enhancement in field crops	2	2									
Mahasamund	IS	OFC	Women and Child care	Training on care of Adolescent girl.	01										
Mahasamund	IS	ONC	Household food security	Training on prevent Nutrient losses in cooking	02										
Mahasamund	IS	ONC	<b>Others(Pl. Specify)</b>	Nutrition Rich Diet from Locally available fruit and Vegetable	02										



**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				
Mahasamund	<b>Crop production and management</b>	Integrated crop management	Integrated crop management	Cropping system	Integrated crop management	2	2												

**Table 5.5. Sponsored Training Programmes**

Name of KVK	Client (F &FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)				
								Gen		Others		SC		ST							
								M	F	M	F	M	F	M	F						
Mahasamund	<b>F &amp;FW</b>	Improved Production technology of Horticultural crops	<b>Crop production and management</b>	<b>Others(Pl. Specify)</b>	Improved Production technology of Horticultural crops	01	04													National Horticulture Board Raipur	50,000
Mahasamund	<b>F &amp;FW</b>	Nursery Worker			Nursery Worker	33	66													ASCI	1,80,000
Mahasamund	Ry	Valve addition	<b>Post harvest technology and value addition</b>	Processing and value addition	Training on valve addition of aonla	07															

**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-2019**

Area of Training	Jan-Dec-2019	
	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-2019**

Area of Training	Jan-Dec-2019	
	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)

## 6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								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	Animal Health Camp	-													
Mahasamund	Awareness programme	12													
Mahasamund	Celebration of important days	7													
Mahasamund	Diagnostic visits	25													
Mahasamund	Exhibition	4													
Mahasamund	Exposure visits	5													
Mahasamund	Ex-trainees Sammelan	2													
Mahasamund	Farm advisory Services	52													
Mahasamund	Farmers visit to KVK	1000													
Mahasamund	Field Day	5													
Mahasamund	Group meetings	5													
Mahasamund	Kisan Ghosthi/Sammelan	5													
Mahasamund	Kisan Mela	-													
Mahasamund	Krishi Mahotsav	-													
Mahasamund	Lectures delivered as resource persons	20													
Mahasamund	Mahila Mandals conveners meetings	-													
Mahasamund	Method Demonstrations	2													
Mahasamund	Pradhanmantri phasal beema yojana	-													
Mahasamund	Scientific visit to farmers field	24													
Mahasamund	Self Help Group conveners meetings	1													
Mahasamund	Soil health Camp	1													
Mahasamund	Soil test campaigns	1													
Mahasamund	Technology Week	2													

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials				
				M	F	M	F	M	F	M	F	Purpose	Topics	Crop Stages
Mahasamund	Radio talks	2												
Mahasamund	Extension literature	4												
Mahasamund	TV talks	2												
Mahasamund	Newspaper coverage	24												
Mahasamund	Film Show	1												
Mahasamund	Others Nutrition week celebration	02												

### Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media ( Local/ Regional/National)
Radio talks				
TV talks				
Newspaper coverage				
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

## 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 2020	Q1			
Mahasamund	April to June 2020	Q2			
Mahasamund	July to September 2020	Q3			
Mahasamund	October to December 2020	Q4			

### 7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Mahasamund	Abstract	
Mahasamund	Book	
Mahasamund	Book Chapter	
Mahasamund	Booklet	
Mahasamund	Leaflets/ Folder/ Pamphlet	
Mahasamund	Popular article	
Mahasamund	Technical Bulletin	
Mahasamund	Training Manual	
Mahasamund	Technical Report	
Mahasamund	Year Planner	
Mahasamund	Others (pl. specify)	

### 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	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Mahasamund	Certified	Mustard	CG Sarson	10			
Mahasamund	Certified	Linseed	Indira Alsi 32	8			
Mahasamund	TL	Dhaincha	-	2			
Mahasamund	Certified	Ragi	Indira Ragi 1	10			
Mahasamund	Certified	Pigeon pea	TJT	5			

### 8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Mahasamund	Fruit	Lemon	Konkan	2000			
Mahasamund	Fruit	Guava	Allahabad Safeda/L49/Arka Mridul	2000			
Mahasamund	Fruit	Pomegranate	Bhagwa	2000			
Mahasamund	Fruit	Orange	Konkan	2000			
Mahasamund	Fruit	Drumstick	PKM1	100000			
Mahasamund	Fruit	Papaya	Red lady	100000			
Mahasamund	Fruit	Sweet potato	indira madhur/Indira orange	100000			
Mahasamund	Fruit	Mango	Indira Nandiraj/Mallika/Amrapali	600			
Mahasamund	Fruit	Sapota	Cricket Ball	100			

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

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 fertiliser	Vermicompost	10000				
		Azolla	500				
		NADEP	5000				
		Any other (pl. specify)					
	Others	Mushroom spawn		100 packet			

### 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	litre	3000		
		Calves	-	-	-			
		Goats	Barbaery	live goat	No.	10		
	Poultry	Poultry	Kadaknath	vhicks	No.	2000		
		Japanese quail	Japanese quail	Chicks	No.	1000		
		Japanese quail eggs	Japanese quail	Eggs	No.	2000		
	Fisheries	Indian carp	-	Fish	Kg	200		



## 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			Through Mini Soil Testing kit	Through Soil testing laboratory
						Collected by KVKs	Provided by Dept./ DDA		Mini Soil Testing kit	Soil testing laboratory					
		Sanctioned	Procured												
Mahasamund	yes														

### 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)

## 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/RV/EF)	No. of Courses	No. of Participants									
					SC		ST		Other		General		Total	
					Male	Female	Male	Female	Male	Female	Male	Female		
Mahasamund	-	Rain Water harvesting/ conservation		01										

### 10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

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

### 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	-	Drip irrigation system in horticultural crops	Farmers	01										
Mahasamund	-	Micro irrigation system for rabi crops	Farmers	01										

### 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)

### 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

### 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*

\*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	1000	50	5	1055

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

KVK	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
Ma has am und	1	Crop Management	Crop Production Technology		5			
			Integrated Farming		5			
			Field Preparation		6			
			Any Other (Specify)		4			
	2	Weather	Advisory		15			
			Change in variety		3			
			Change in Sowing technique		6			
			Climate forecast		10			
			Any Other (Specify)		1			
	3	Soil Management	Soil Testing		1			
			INM		1			
			Fertilizer Application		1			
Vermicomposting/ bio-waste				1				

KVK	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
			recycling					
			Bio-fertilizer		1			
			Any Other (Specify)		0			
	4	Disease & Pest Management	Disease Management		4			
			Pest Management		4			
			Preventive Advisory Disease Management		2			
			Preventive Advisory Pest Management		2			
			Bio-pesticides		2			
			Any Other (Specify)		1			
	5		Nutrition Security & Women Empowerment	Nutrition Awareness		02		
		Kitchen garden						
		Value Addition and Processing						
		Drudgery Reduction						
		Entrepreneurship & Income Generation						
		Advisory						
		Any Other (Specify)						
	6	Horticulture	Vegetable		3			
			Fruit		3			
			Hi Tech Horticulture		3			
			Any Other (Specify)		3			
	7	Livestock	Feed and Fodder					
			Dairy Management					
			Fisheries					
			Poultry Management					
			Vaccination & Disease management					
			Any Other(Specify)					

KVK	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
	8	Farm Mechanization						
	9	Extension						
	10	Organic Farming						
	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	MGNAREGA	Jila Panchayat, Mahasamund	-	Fodder seed production, Horticultural nursery production, plantation	-	Functional
Mahasamund	Biotech-KISAN	ICAR - National Institute of Biotic Stress Management, Raipur	-	Crop based module, NRM based module, Horticulture based module	-	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			
		FLD (other than CFLD)			
		Training			
		Extension Activities			
		SAC Meeting			
		Special Programme (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	534560		

### 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

### 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

### 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.

### 23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated

### 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	05	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*

**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	Gariyaband, Raipur	SAC			

**27. Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks

**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
01	Mahasamund	February 2014	<a href="http://www.kvkmahasamundcg.org">www.kvkmahasamundcg.org</a>		

**29. Status of Mobile Apps developed by KVK**

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs

**30. Status of RTI**

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

**31. Status of Citizen Charter**

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

**32. Participation in HRD Programmes organized by ATARI**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	<b>Total</b>			

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

**33. Participation in HRD Programmes organized by DES**

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

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

**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)

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

**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



### 36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Gosthies			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm/ Field Visit			
	Diagnostic Practical's			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Distribution of Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the technology week			
	Animal health camp			
	Awareness programme			
	Demonstration			
	Exposure visit			
	Ex-trainees Meet			
	Farmer scientist interaction			
	Farmers Training			
	Gajarghans Unmulan Pakhwada			
	Group Meeting			
	Jai Kisan Jai Vigyan Sangoshthi			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	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(Breeding/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
<b>Seedlings</b>				
<b>Saplings</b>				

### Bio-control Agents

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

### Bio-Fertilizer

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

### Worms Produced

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

### 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. Activities for Sansad Adarsh Gram

#### Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Mahasamund	Bagbahra	Komakhan

#### 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
Awareness programme				

#### 3. Training Programme

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

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

Name of the KVK	
TITLE	
Introduction	
KVK intervention	

<b>Output</b>	
<b>Outcome</b>	
<b>Impact</b>	

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

<b>Sr. no.</b>	<b>Name of KVK</b>	<b>No. of success stories</b>	<b>No. of case studies</b>