

# **ANNUAL PROGRESS REPORT**

**January 2021 to December 2021**

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**REPORTING PERIOD – January 2021 to December 2021**  
**Summary of KVK Annual Report (Quantifiable Achievement) for the year 2021**

**i. OFT and FLD**

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

➤		Technologies refined		
		<b>Activity</b>	<b>Area (ha) / no. of Unit/Enterprise</b>	<b>No. of farmers/ beneficiaries</b>
<b>2</b>		<b>FLD</b>		
a.		CFLD-Oilseed (in ha)	<b>100</b>	<b>155</b>
b.		CFLD-Pulses (in ha)	<b>50</b>	<b>73</b>
c.		<b>FLD- Crop All(other than CFLD) (in ha)</b>		
➤		Proposed Frontline demonstrations	<b>2</b>	<b>24</b>
➤		On Going Frontline demonstrations	<b>2</b>	<b>24</b>
➤		Completed Frontline demonstrations	<b>4</b>	<b>48</b>
d.		<b>FLD- Agriculture Engineering (in ha)</b>		
➤		Proposed Frontline demonstrations	<b>2</b>	<b>18</b>
➤		On Going Frontline demonstrations		
➤		Completed Frontline demonstrations		
e.		<b>FLD - Animal Science (in ha for fodder/ no. of Unit/Enterprise)</b>		
➤		Proposed Frontline demonstrations		
➤		On Going Frontline demonstrations		
➤		Completed Frontline demonstrations		
f.		<b>FLD - Fisheries (in ha/ no. of Unit/ Enterprise)</b>		
➤		Proposed Frontline demonstrations		
➤		On Going Frontline demonstrations		
➤		Completed Frontline demonstrations		
g.		<b>FLD - Home Science (in ha/ no. of Unit/Enterprise)</b>		
➤		Proposed Frontline demonstrations	<b>2</b>	<b>10</b>
➤		On Going Frontline demonstrations		
➤		Completed Frontline demonstrations	<b>2</b>	<b>10</b>

## ii. Other Activities

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
<b>1</b>	<b>Training programmes</b>	<b>No. of Course</b>	<b>Duration (days)</b>	<b>Participants</b>
a.	Farmers and Farm women	65	1	1692
b.	Rural youth	4	4	119
c.	Extension personnel/ In service	2	2	21
d.	Vocational trainings	1	2	39
e.	Sponsored Training	5	3	159
	<b>Total</b>	-	-	-

<b>2</b>	<b>Extension Activities</b>	75	13-	1868
<b>a.</b>	Extension Activities	152	Mass	
<b>3</b>	<b>Production of technology inputs etc</b>	<b>Quantity (quintal/number)</b>	<b>No. of farmers/ beneficiaries</b>	
<b>3.1</b>	Seed Production (quintal)	15.95	149	
<b>3.2</b>	<b>Planting Material</b>			
<b>a.</b>	Planting material produced (nos.)	562000	655	
<b>b.</b>	Seedling Production (No.)	34465	300	
<b>c.</b>	Sapling Production (No.)			
<b>3.3</b>	<b>Livestock &amp; Fingerlings</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Livestock strains ( Nos)	5911	132	
	Milk Yield - Cow, Buffelo etc. (in liter)	4789	55	
	Fish (Kg.)	-	-	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	8403	214	
	Ducks (nos.)	79	49	
	Chicks etc. (nos.)	24243	230	
<b>3.4</b>	<b>Bio Products</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Bio Agents -Earth worm (Kg.)	14	20	
	Trichoderma (kg.)			
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	54	Used/sold to KVK, Mahasamund	
	Bio Pesticide-Panchgavya, Neem Extract, Neem oil etc.(lit.)			
<b>4</b>	<b>Soil and Water sample</b>	<b>Number</b>	<b>No. of farmers/ beneficiaries</b>	
<b>a.</b>	Soil and Water sample testing by using Mini Soil Testing Kit ( <b>Nos.</b> )	298	298	
<b>b.</b>	No. of Soil health card issued by using Mini Soil Testing Kit ( <b>Nos.</b> )	298	298	
<b>c.</b>	Soil and Water sample testing by using Soil Testing Laboratory ( <b>Nos.</b> )			
<b>d.</b>	No. of Soil health card issued by using Soil Testing Laboratory ( <b>Nos.</b> )			
<b>5</b>	<b>Rainwater Harvesting System (Nos.)</b>			
<b>6</b>	<b>SAC Meeting</b>	1	4	
<b>a.</b>	SAC Meeting ( <b>Nos.</b> )			
<b>b.</b>	Proposed Date & No. of core/ official members			

<b>7</b>	<b>Nutri Smart Village</b>		
<b>a.</b>	OFTs		
<b>b.</b>	FLDs		
<b>c.</b>	Trainings		
<b>d.</b>	Extension activities		
<b>8</b>	<b>Technology Demonstration under Tribal Sub Plan</b>		
<b>a.</b>	<b>Tribal Sub Plan (TSP)</b>		
	<b>Other Activities</b>		
<b>6</b>	<b>Any other significant achievement in the Zone</b>	<b>Nos.</b>	<b>Participants/ beneficiaries</b>
	Award (Best KVK award and scientist and farmer's award)	8	1
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	2	500
	KVK News letter	4	2000
	KVK-KMA (Message sent and beneficiaries)	52	87693
		<b>No. of Calls</b>	<b>Respondent</b>
	Kisan Sarthi		
		<b>Nos.</b>	<b>Participants/ beneficiaries</b>
	Convergence programmes		
	Sponsored programmes		
	KVK Progressive Farmers interaction	4	22
	No. of Technology Week Celebrations	8	139
	Attended HRD activities organized by ZPD	21	5
	Attended HRD activities organized by DES	14	7
<b>7</b>	Current status of Revolving Funds (Amt. in Rs.)	1115338.61 (closing balance)	
<b>8</b>		<b>No. of blocks</b>	<b>No. of villages</b>
	Outreach of KVK in the District	5	1102
<b>9</b>		<b>ICAR</b>	<b>SAU</b>
	No. of important visitors to KVK (nos.)	2	3
<b>10</b>		<b>Working (Yes/No)</b>	<b>No. of Updates during the year</b>
	Status of KVK Website	Yes	52
<b>11</b>		<b>Application received</b>	<b>Application disposed</b>
	Status of RTI (nos.)	1	1
<b>12</b>		<b>Query received</b>	<b>Query dissolved</b>
	Citizen Charter (nos.)	-	-

<b>13</b>		<b>Filled</b>	<b>Vacant</b>
	Staff Position	14	02
<b>14</b>	Workshop/ Seminar/ Conference attended by staff of KVK ( nos)	07	
<b>15</b>	Publication received from ICAR /other organization (nos.)	05	
<b>16</b>		<b>Particulars</b>	<b>Organization</b>
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)		
		<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
<b>17</b>	Activities performed in Sansad Adarsh Gram	-	-
		<b>Nos. of Activities</b>	<b>Participants/ beneficiaries</b>
	Interventions on Drought Mitigation		
<b>18</b>	Activities performed in DFI Village	12	48
<b>20</b>	Current status of Contingency ( Amt. in Rs.)	1115338.61 (closing balance)	
	Case study / Success Story to be developed (Nos.)	120 (DFI)	
<b>19</b>	<b>Administrative</b>	<b>No. of days occupy</b>	
<b>a.</b>	Utilization of Farmers Hostel	-	-
<b>b.</b>	Utilization of Staff Quarters	-	-

### ICT Initiative

KVK Name	Activity	Number	No. of farmers/ beneficiaries	Total value of resource generated/Fund received from diff. sources (Rs.)
Mahasamund	Status of KVK Website (no of monthly updates)	4	2000	-
	Kisan Mobile Advisory (KVK-KMA)	52	87693	-
	Kisan Sarthi	1	1000	-
	Whatsapp	104	3000	-
	Facebook	40	200	-
	KVK Portal	240	-	-
	Twitter	-	-	-
	Instagram	-	-	-



# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

Summary of Staff position in KVKs on December, 2021

KVK Name	Sanctioned	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
	Posts	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Mahasamund	16	1	1	6	6	3	3	6	5	16	15

Name of KVK	Sanction post	Status (Filled/Vacant)	Name of the Employee	Discipline	Highest degree	Present pay	Date of joining (DD/MM/YY YY)	Category (Gen/OBC/SC/ST)
Mahasamund	1	Senior Scientist & Head	Dr. Satish Kumar Verma	Horticulture	Ph. D.	152300	22.09.12	OBC
Mahasamund	2	SMS-1	Shri. H. S. Tomar	Agronomy	M.Sc.	69000	13.11.07	GEN
Mahasamund	3	SMS-2	Dr. Saket Dubey	Horticulture	Ph. D.	69000	06.09.12	GEN
Mahasamund	4	SMS-3	Dr. Arvind Nandanwar (Study Leave)	LPM	M.V.sc.	67000	24.09.12	GEN
Mahasamund	5	SMS-4	Shri Kunal Chandrakar (Study Leave)	Soil Science	M. Sc.	65000	16.09.14	OBC
Mahasamund	6	SMS-5	Mrs. Rajni Dharmendra Agashe	Agricultural Extension	M. Sc.	65000	22.09.14	GEN
Mahasamund	7	SMS-6	Er. Ravish Keshri	Soil & Water Engineering	M. E.	65000	20.10.14	GEN
Mahasamund	8	Prg-Asstt-1 (Computer)	Smt. Punitha Kartikeyan	Computer Science	MCA, M.Phil	42300	29.07.13	GEN
Mahasamund	9	Prg-Asstt-2 (Computer)	Mr. S. M. Ali Humayun	Entomology	M.Sc.	43600	27.10.14	GEN

Mahasa mund	10	Prg-Asstt-2 (Farm Manager)	Mr. Kamal Lodhi	Agronomy	M.Sc.	35400	31.10.19	OBC
Mahasa mund	12	Admin-1 (Accountant)	Shri Babulal Dewangan	-	-	20900 (Fixed)	24.12.20	-
Mahasa mund	13	Admin-2 (Steno)	Shri Narottam Sahu	-	-	18420 (Fixed)	01.01.21	-
Mahasa mund	14	Aux-1 (Driver)	Shri B. P. Dhruw	-	Primary	47600	20.12.05	ST
Mahasa mund	15	Aux-1 (Driver)	Mr.Rajesh Markandey	-	10th	24700	02.04.13	SC
Mahasa mund	16	Supp-1	Shri Khayal Das Vaishnav	-	-	25800	04.02.06	GEN

## 1.2. Total land with KVK (in ha)

:

S. No.	Item	Area (ha)
1	Under Buildings	1 ha
2.	Under Demonstration Units	2 ha
3.	Under Crops	8 ha
4.	Orchard/Agro-forestry	7 ha
5.	Others (specify)	2 ha

## 1.3 Infrastructural Development:

### A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	-						
2.	Farmers Hostel	-						
3.	Staff Quarters (6)	-						
4.	Fencing	-						
5	Threshing floor	-						

6	Implement Shed	-						
7	Threshing floor	-						
8	Poly House	-						
9	Net House	-						
10	Azola Unit	-						
11	Demonstration Units	-						
12	Demonstration Units	-						
13	Any Other(pl.specify)	-						

#### **B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Marshal	2005	382607	69195 (09.07.15)	Write off on 09.7.15
Motor Cycle	2005	41998.81	51203	working
Bolero	2018	774890	86501	working

#### **C) Equipments& AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Projector	2021	52816	working
Xerox Machine			
Generator			
Video Camera			
Computer, Laser Printer	2021	16000	working
UPS 600 VA			
Stabilizer 2 KVA			

Stabilizer	2021	3700	working
Inverter 600 VA (2)			
Inverter Battery (2)			

#### 1.4. 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	

#### 1.5. 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

#### 1.6 Details of Operational area / Villages (31<sup>st</sup> December, 2021)

S. No	KVK	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Mahasamund	Mahasamund	Paraswani, Saradih, Barbaspur, Birkoni, Achhola	Rice-chickpea-vegetable	Low yield, rice fallow	Diversification of existing production systems for better profitability. Farm mechanization through improved agricultural implements

#### 1.7. 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

#### 1.8. 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 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.A. Details of target and achievements of mandatory activities by KVK during 2021

OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Cotton, Other Crops)				FLD (Enterprises)			
1				2				3			
Number of OFTs		Total no. of Trials		Area in ha		Number of Farmers		Area in ha/Units in No.		Number of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
10	11	50	55	50	40.2	50	115	-	-	-	-

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	1	1	1	1	-	-	-	-
Rural youth								
Extn. Functionaries								
ARYA Training								

Seed Production (q.)			Planting material (Nos.)		
5			6		
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers
40	15.95	149	600000	562000	655

## 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 Chickpea in place of gram/chana , Rice in place of paddy/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>	
Animal Feed / Fodder Management	Milk yield (Lit/day/animal)
Animal Disease Management	Change in body weight(kg)
Animal Nutrition Management	Egg Production/bird/year
Livestock production & management	% decrease in Worm
Animal breed evaluation	Parasite control (%)
Poultry Production and management	Body weight at 6 month (kg/goat)
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
<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 Summary of Technology Assessment

Category	No. of Technology Assessed	No. of Trials	No. of Farmers
<b>Technology Assessed</b>			
Crops	14	60	150
Agriculture Engineering	4	20	38
Animal Science			
Fisheries			



Extension			
Home Science	2	10	50
Various enterprises			
<b>Total</b>			

## 2.2 Information about OFT: 1

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Soil Science
<b>Title of on-farm trial:</b>	<b>Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- GW-273)</b>
<b>Year/Season:</b>	Rabi 2020-21
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield potential due to improper management practices
<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
T3- Recommended Practice-	-
<b>Date of sowing:</b>	28 November
<b>Date of harvesting:</b>	31 March
<b>Source of technology:</b>	IGKV, Raipur
<b>Characteristics of technology:</b>	It is a SHC based crop production technology
<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	Farmers should go with SHC based Nutrient Management in wheat crop
<b>Recommendations for Deptt. Personnel</b>	It is very prominent technology for every farmer and easy to adoptable. Department personnel should disseminate the SHC based technology.
<b>Feedback</b>	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	20.48 q/ha.	18674	40448	21774	2.16
T2(Recommended Practice)	Yield	26.12 q/ha.	20208	51587	31379	2.55

## 2.2 Information about OFT: 2

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Soil Science
<b>Title of on-farm trial:</b>	<b>Assessment of Soil Health Card (SHC) based Nutrient Management in Paddy (Var.- Maheshwari)</b>
<b>Year/Season:</b>	Kharif 2021
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield potential due to improper management practices
<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
T3- Recommended Practice-	-
<b>Date of sowing:</b>	15 July
<b>Date of harvesting:</b>	30 November
<b>Source of technology:</b>	IGKV, Raipur
<b>Characteristics of technology:</b>	It is a SHC based crop production technology
<b>Name of Crop/Enterprises:</b>	Paddy
<b>Recommendations for Farmers</b>	Farmers should go with SHC based Nutrient Management in paddy crop

<b>Recommendations for Deptt. Personnel</b>	It is very prominent technology for every farmer and easy to adoptable. Department personnel should disseminate the SHC based technology.
<b>Feedback</b>	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	39.41 q/ha.	29885	77243	47358	2.58
T2(Recommended Practice)	Yield	50.72 q/ha.	32397	99411	67072	3.06

## 2.2 Information about OFT: 3

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Soil Science
<b>Title of on-farm trial:</b>	<b>Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- Ratan)</b>
<b>Year/Season:</b>	Rabi 2021-22
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Low yield potential due to improper management practices
<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
T3- Recommended Practice-	-

<b>Date of sowing:</b>	06 December
<b>Date of harvesting:</b>	Crop on growing stage
<b>Source of technology:</b>	IGKV, Raipur
<b>Characteristics of technology:</b>	It is a SHC based crop production technology
<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	Result Awaited
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

## 2.2 Information about OFT: 4

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
<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 2021
<b>Farming situation:</b>	Rain fed
<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 Technique
T3- Recommended Practice-	-
<b>Date of sowing:</b>	1 <sup>st</sup> week of July 2021
<b>Date of harvesting:</b>	2 <sup>nd</sup> week of November 2021
<b>Source of technology:</b>	IGKVV Raipur
<b>Characteristics of technology:</b>	Early maturing variety, suitable for upland rainfed condition

<b>Name of Crop/Enterprises:</b>	Rice
<b>Recommendations for Farmers</b>	Recommended
<b>Recommendations for Deptt. Personnel</b>	Recommended
<b>Feedback</b>	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	35.65	31875	89125	57250	2.79
T2(Recommended Practice)	yield	41.55	32357	103875	71518	3.21

## 2.2 Information about OFT: 5

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
<b>Title of on-farm trial:</b>	<b>Refinement 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>	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-	high yielding variety (RATAN) of wheat under late sown irrigated conditions
T3- Recommended Practice-	
<b>Date of sowing:</b>	3 <sup>rd</sup> week of December, 2020

<b>Date of harvesting:</b>	2 <sup>nd</sup> week of April, 2021
<b>Source of technology:</b>	IGKVV Raipur
<b>Characteristics of technology:</b>	Sharbadi grains, suitable for Chhattisgarh plain zone
<b>Name of Crop/Enterprises:</b>	Wheat
<b>Recommendations for Farmers</b>	The variety is very suitable for late sowing purpose and farmers were very much happy for adopting the variety , recommended for farmers
<b>Recommendations for Deptt. Personnel</b>	The variety is very suitable for late sowing purpose and farmers were very much happy for adopting the variety , recommended for demonstrations
<b>Feedback</b>	The variety is very suitable for late sowing purpose and farmers were very much happy for adopting the variety

**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	22.75	20800	45500	24700	2.18
T2(Recommended Practice)	yield	3.49	22600	51480	28880	2.28

## 2.2 Information about OFT: 6

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agri Engineering
<b>Title of on-farm trial:</b>	<b>Assessment of row transplantation of paddy by paddy transplanter</b>
<b>Year/Season:</b>	2021 Kharif
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Less efficiency, problems of labour, non uniformity in transplanting
<b>Thematic area:</b>	Farm Mechanization
<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-	Manual transplanting by farm labour

T2 –Recommended Practice-	Transplanting by paddy transplanter
T3- Recommended Practice-	-
Date of sowing:	15.07.21
Date of harvesting:	20.11.21
Source of technology:	IGKVV Raipur
Characteristics of technology:	Line Transplanting
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

**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	58.32	52400	108942	47202	2.08
T2(Recommended Practice)	yield	61.83	44400	115498	66312	2.60

## 2.2 Information about OFT: 7

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agri Engineering
<b>Title of on-farm trial:</b>	<b>Assessment of paddy crop residue management by tractor operated Baler</b>
<b>Year/Season:</b>	Kharif/Rabi
<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	Timely crop residue management problem delay rabi crop, burning of crop residue create pollution and destroy soil micro organism
<b>Thematic area:</b>	Farm Machanization
<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-	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:	Crop Residue Management
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

### 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	-				-
T2(Recommended Practice)	yield	0.35	4420			-
T3(Recommended Practice)		-				

## 2.2 Information about OFT: 8

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
<b>Title of on-farm trial:</b>	Assessment of Marigold propagation through Cuttings
<b>Year/Season:</b>	2021 Kharif
<b>Farming situation:</b>	Rainfed



<b>Problem diagnosis:</b>	Lack of availability of Planting Material
<b>Thematic area:</b>	Integrated Crop Management
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Planting material raised by sowing seed
T2 –Recommended Practice-	Planting material raised by cutting
T3- Recommended Practice-	-
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	IGKV Raipur
<b>Source of technology:</b>	
<b>Characteristics of technology:</b>	Improved variety propagated through cuttings
<b>Name of Crop/Enterprises:</b>	Marigold (Pusa Narangi)
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**Result :** (Economic Performance of OFT) **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter 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)	136		90000	185000	2.051	2.05
T2(Recommended Practice)	185		70000	136000	66000	1.94

## 2.2 Information about OFT: 9

<b>Name of Discipline</b> (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
<b>Title of on-farm trial:</b>	Assessment of Enhancement of Staminate flowers in Bottle Gourd by application of Ethrel
<b>Year/Season:</b>	2021 Rabi

<b>Farming situation:</b>	Irrigated
<b>Problem diagnosis:</b>	More number of Staminate Flowers resulting in lower productivity
<b>Thematic area:</b>	Crop Diversification
<b>No of trials:</b>	5
<b>No. of farmers involved</b>	5
<b>Type of OFT (Assessment/ Refinement):</b>	Assessment
<b>Details of technology selected for assessment/ refinement:</b>	
T1 – Farmers Practice-	Crop Production without using ethrel
T2 –Recommended Practice-	Enhancement of Staminate flowers in Bottle Gourd by application of Ethrel
T3- Recommended Practice-	-
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	
<b>Source of technology:</b>	IGKV Raipur
<b>Characteristics of technology:</b>	Ethrel application increases number of female flowers
<b>Name of Crop/Enterprises:</b>	Bottle Gourd -Warad
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**Result :** (Economic Performance of OFT) **(Please choose and give the parameters name and value according to suitable your OFT)**

Details of technology	Parameter 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)	Result Awaited					
T2(Recommended Practice)						
T3(Recommended Practice)	-					

### 2.3. Information about Extension OFT: 1

<b>Title</b>	Study on Impact of CFLD pulses ( Blackgram) on the, Transfer of Technology , Production and Income of farmers in Mahasamund district of Chhattisgarh
<b>Season &amp; Year</b>	Kharif 2021

<b>Problem identified</b>	The impact assessment of CFLD (Pulses) is not conducted yet which is vital to assess the worthiness or effectiveness of this programme.
<b>Thematic Area</b>	Impact assessment
<b>Farming situation</b>	All Type
<b>Name of Technology under study</b>	Impact assessment of CFLD pulses (Blackgram)
<b>Farmers Practice</b>	Use of Local Variety and method of sowing and broadcasting
<b>No. of replication (Farmers)</b>	50 (25 –beneficiaries +25 –Non-beneficiaries)

### Results / findings (Please choose and give the parameters name and value according to suitable your OFT)

Performance indicators/ parameters	Unit/ details	Observation		
		T1 (Farmers Practice)	T2(Recommended Practice)	T3(Recommended Practice)
(1)Extension gap (2) Technology Gap (3) Additional return (4) Percent increase yield (5) Technology Index	1) Average = 4.21 2) Average = 4.43 3) Average = 18900 4) Average =49.6 5) Average = 27.75	Use of Local Variety method of sowing- broadcasting , No use of weedicide and seed treatment	Improved Variety ,Line Sowing, Sed Treatment, Weedicide Application	

### 2.3. Information about Extension OFT: 2

<b>Title</b>	Study on Impact of CFLD Oilseed(Mustard) on the, Transfer of Technology , Production and Income of farmers in Mahasamund district of Chhattisgarh
<b>Season &amp; Year</b>	<b>RABI 2021</b>
<b>Problem identified</b>	The impact assessment of CFLD (Oilseed) is not conducted yet which is vital to assess the worthiness or effectiveness of this programme.
<b>Thematic Area</b>	Impact assessment
<b>Farming situation</b>	All Type
<b>Name of Technology under study</b>	Impact assessment of CFLD Oilseed (Mustard)
<b>Farmers Practice</b>	Use of Local Variety and method of sowing and broadcasting
<b>No. of replication (Farmers)</b>	50 (25 –beneficiaries +25 –Non-beneficiaries)

Performance indicators/ parameters	Unit/ details	Observation		
		T1 (Farmers Practice)	T2(Recommended Practice)	T3(Recommended Practice)
(1)Extension gap (2) Technology Gap (3) Additional return (4) Percent increase yield (5) Technology Index	1) Average = 3.6 2) Average = 4.01 3) Average = 21010 4) Average =51.23 5) Average = 29.26	Use of Local Variety method of sowing-broadcasting , No use of weedicide and seed treatment	Improved Variety ,Line Sowing, Sed Treatment, Weedicide Application	

## 2.4. Information about OFT

<b>Title of on-farm trial:</b>	
<b>Year/Season:</b>	
<b>Problem diagnosis:</b>	
<b>Thematic area:</b>	
<b>No of trials:</b>	
<b>No. of farmers/farm women involved</b>	
<b>Type of OFT (Assessment/ Refinement):</b>	
<b>Details of technology selected for assessment:</b>	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
<b>Source of technology:</b>	
<b>Characteristics of technology:</b>	
<b>Name of Crop/Enterprises:</b>	
<b>Farming situation:</b>	
<b>Date of sowing:</b>	
<b>Date of harvesting:</b>	
<b>Recommendations for Farmers</b>	
<b>Recommendations for Deptt. Personnel</b>	
<b>Feedback</b>	

**(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)							

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

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

#### 3.1 Summary of FLDS

Categories	No. of activity/Technology demonstrated	Area (ha)	Unit / Animal(no.)	Beneficiaries
Cereal	2	10		24
Pulses	4	20		48
Oilseed				
Spices	1	0.4		5
Vegetable	3	0.12		15
Tuber				
Millet				
Fruit				
Fibre				
Flower				
Fodder				
Cash Crop				
Medicinal and aromatic plants				
Other				
<b>Total</b>				
<b>Enterprises (ha/Units)</b>			-	
Agriculture Engineering	2	10		18
Animal Science (ha/unit)				
Fisheries				
Women Empowerment	2	0.3		5
Other Enterprises				
<b>Total</b>				
<b>Grand Total</b>	<b>14</b>	<b>40.2</b>		<b>115</b>

### 3.2 Details of FLDs on Crop implemented during Jan-2021 to Dec-2021

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/On going	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	2021	Kharif	Agronomy	Integrated Weed Management	Demonstration of weed management in Black gram	Pulse	Black Gram	Pratap-1	rainfed	completed	5	7.2	8.78	21.94	3	8	1	-	12
Mahasamund	2020-21	Rabi	Agronomy	Varietal replacement & Crop management	Demonstration of Criss-Cross sowing method of wheat in Mahasamund District	Cereal	Wheat	Ratan	irrigated	completed	5	22.75	26.64	17.11	-	-	12	-	12
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.	Pulse	Chickpea	RVG-202	Irrigated	Completed	4.8	8.33	11.21	34.57	3	2	7	0	12

					( Demonst ration on INM in Chickpea )														
Ma has am und	20 21	Khar if	Soil Science	INM	Applicati on of 75% (N:P:K- 20:40:20 kg/ha.) with Rhizobiu m + PSB @10g/kg of seed & FYM 5 ton/ha. (Demonst ration on INM in Black Gram)	Pulse	Black Gram	MAS H - 479	Rainfed	Comple ted	2.4	4.98	6.73	35.1 4	3	4	5	0	12
Ma has am und	20 21 - 22	Rabi	Soil Science	INM	Applicati on of 75% (N 20: P 40: K 20 kg/ha.) with Rhizobiu m @10g/kg of seed + PSB @10g/kg of seed & FYM 5 ton/ha. ( Demonst	Pulse	Chi ckp ea	RVG -202	Irrigated	Ongoin g									



					ration on INM in Chickpea )														
Ma has am un d	20 21	Kha rif	Horticulture	Agro Forest ry	Crop Producti on	Dem onstr ation on Impr oved Vari ety of Ging er	Gi ng er	Sp ices	Ginger	Suprab ha	rainfed	Com plete d	0.4	160	22 0	3 7. 5	0	0	5
Ma has am un d	20 21	Rab i	Horticulture	Crop Divers ificati on	Crop Producti on	Dem onstr ation of Impr oved Vari ety of Cow pea	Co wp ea	Veg etab les	Cowpea	Kashi Kanch an	irrigat ed	Com plete d	0.4	44	58	3 1. 8	1	1	3
Ma has am un d	20 21	Rab i	Horticulture	Integr ated Crop Mana gemen t	Crop Producti on	Dem onstr ation of Mol ybde num appli cation in Caul	Ca ulif lo wer	Veg etab les	Cauliflo wer	Snowb all	irrigat ed	Com plete d	0.4	156	20 4. 8	3 1. 2 8	0	1	4

						iflow er													
Ma has am und	20 21	Rab i	Horticulture	Integr ated Farmi ng syste m	Crop Producti on	Dem onstr ation of Tom ato Culti vation in Low Cost Prote cted Struc ture	To ma to	Veg etab les	Tomato	Arka Raksh ak	irrigat ed	Ongo ing	0.4				0	0	5

### 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> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Mahasamund	Demonstration of weed management in Black Gram	Black Gram	Yield (q/ha)	7.2	8.78	14950	15250	41760	50924	26810	35674	2.80	3.34

<b>Mahasamund</b>	<b>Demonstration of Criss-Cross sowing method of wheat in Mahasamund District</b>	<b>Wheat</b>	Yield (q/ha)	<b>22.75</b>	26.64	20800	23580	45500	53280	24700	29700	2.18	2.26
Mahasamund	<b>Demonstration on INM in Chickpea</b>	Chickpea	Yield q/ha	8.33	11.21	18493	20895	42483	57171	23990	36276	2.29	2.73
Mahasamund	<b>Demonstration on INM in Black Gram</b>	Blackgram	Yield q/ha	4.98	6.73	13721	15775	31374	42399	17653	26624	2.28	2.68
Mahasamund	<b>Demonstration on INM in Chickpea</b>	Chickpea	Yield q/ha	<b>Result awited</b>									
Mahasamund	Demonstration on Improved Variety of Ginger	Ginger	Rhizome wt per plant (gm)	160	220	150000	170000	400000	550000	250000	380000	2.66	3.23
Mahasamund	Demonstration of Improved Variety of Cowpea	Cowpea	Pod wt. per plant (gm)	82	96	25000	23200	79200	104400	51200	70400	2.82	3.07
Mahasamund	Demonstration of Molybdenum application in Cauliflower	Cauliflower	Curd Weight (gm)	17.67	16.56	47300	51500	121875	160000	74575	108500	2.57	3.38
Mahasamund	Demonstration of Tomato Cultivation in Low Cost Protected Structure	Tomato	Result Awited										

### 3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2021 to Dec-2021

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
Mahasa mund	2021	Kharif	Farm Mechanization	Small Farm Implements	Line sowing of paddy by Seed cum fertilizer drill	cereals	Paddy	Seed cum fertilizer drill	Completed	5	0.04 ha/hr	0.09 ha/hr	125	0	0	8	0	8

### 3.2 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)	
			Parameter 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> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Mahasamund	Small Farm Implements	cereals	Field Capacity	0.04	0.09	2500	1100	-	-	-	-	1.99	2.14

### 3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2021 to Dec-2021

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

										No.								
Mahasa mund	20 21	Rabi	Farm Mechaniz ation	Seed cum fertilizer drill for line sowing of chickpea	Pulse	Chickp ea	Seed cum fertilizer drill	Irrigated	Ongoing	5	-	-	-	0	0	10	0	10

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

### 3.8 Details of FLDs on Fishery implemented during Jan-2021 to Dec-2021

KVK Name	Yea r	Seaso n	Themat ic area	Technology demonstrat ed	Crop/ Enterp rise Catego ry	Name of Crop/ Enterp rise	Name of Variet y/Tech nology / Enterp rise	Farming Situation (rainfed/irrig ated/semi- irrigated)	Comple ted/Ongo ing	Crop- Area (ha) / Entrep - No.	Results (q/ha)		% chang e	No. of farmers				
											FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	S T	Oth ers	Gener al	Total

### 3.9 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)	
			Parameters 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> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )

### 3.10 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	2021	Kharif	For Nutritional security		Cabbage, Cauliflower, Red amaranthus , Okra , Coriander, Tomato, Chilli, Cowpea, Spinach	Cabbage, Cauliflower, Red amaranthus , Okra , Coriander, Tomato, Chilli, Cowpea, Spinach	0.5	0	0.3		2	1	2		5

#### 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

#### 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

#### 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)								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	T1	T2	T1	T2	T1	T2	T2
Mahasamund	For Nutritional security	Cabbage, Cauliflower, Red amaranthus, Okra, Coriander, Tomato, Chilli, Cowpea, Spinach	Okra, Coriander, Tomato, Chilli, Cowpea, Spinach, Raddish, Beetroot	70	300	100	171	4	8	16	30	60	80	0	3	0	0	0	0	.3

### 3.11 Training and Extension activities conducted under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks

### 3.12 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	Integrated Nutrient Management	Integrated Nutrient Management	Gives higher yield and higher income and decrease cost of cultivation	Higher area coverage

Mahasamund	Weed Management in Blackgram	Use of Preemergence 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

#### 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	In mahasamund district specially in Baghbahra block ,where, OFT was tested the result indicated that the research is needed to evolve some post emergence weedicide specially for blackgram and greengram crop.

#### 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
Mahasamund	Organized Field day of Chickpea, Mustard,wheat,rice,blackgram,greengram,groundnut and Linseed	How to harvesting and threshing to be done	Parashwani, bagbahra,saradih,achhola,birkoni,barbaspur	195



## 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/F & F W/F W) please don't left blank	Training Type (ON C/O FC) please don't left blank	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants								
								Gen		SC		ST		Others		Total
								M	F	M	F	M	F	M	F	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Mahasamund	F & FW	OFC	Crop Production	Crop Diversification	Training on cultivation of sesame in rice-rice cropping system	2	2	13	9	12	14	18	13	26	12	117
Mahasamund	F & FW	OFC	Crop Production	Integrated Farming	Integrated farming system	1	1	0	0	12	8	14	6	15	8	63
Mahasamund	F & FW	ONC	Crop Production	Seed production	Seed production of rice	1	1	6	0	0	0	0	0	15	12	33
Mahasamund	F & FW	ONC	Crop Production	Nursery management	Nursery management in SRI method	1	1	0	0	0	0	0	0	12		12
Mahasamund	F & FW	ONC	Crop Production	Integrated Crop Management	Integrated Crop Management	1	1	0	0	12	13	14	11	0	0	50
Mahasamund	F & FW	OFC	Crop Production	Soil & water conservation	Soil & water conservation	1	1	0	0	0	0	12	6	16	8	42
Maha	F &	OFC	Crop Production	Integrated nutrient	Integrated nutrient Management	1	1	0	0	8	0	6	12	8	0	34

samu nd	FW			Management													
Maha samu nd	F & FW	OFC	Crop Production	Production of organic inputs	Organic farming	1	1	5	0	7	0	15	0	22	0	49	
Maha samu nd	F & FW	ONC	Crop Production	Soil & water conservation	Weed Management	1	4	4	24	23	12	13	34	22	28	12	
Maha samu nd	F & FW	ONC	Crop Production	Production of organic inputs	Cropping Systems	1	2	2	12	8	6	5	22	18	25	8	
Maha samu nd	F & FW	ONC	Crop Production	Others(Pl. Specify)												0	
Maha samu nd	F & FW	ONC	Crop Production	Production of low volume and high value crops	Low cost protected cultivation of vegetable crops	5	5	2	0	38	4	81	5	121	59	310	
Maha samu nd	F & FW	ONC	Crop Production	Off0season vegetables												0	
Maha samu nd	F & FW	OFC	Horticulture (Fruits)	Training and Pruning	Importance of Training and Pruning in Fruit Crops	1	1	0	0	4	0	8	0	17	2	31	
Maha samu nd	F & FW	OFC	Horticulture (Fruits)	Layout and Management of Orchards	Layout of Orchards	1	1	0	0	6	0	5	1	21	2	35	
Maha samu nd	F & FW	ONC	Horticulture (Fruits)	Cultivation of Fruit	Improved Production technology of Guava	1	1	0	0	0	0	7	2	18	6	33	
Maha samu nd	F & FW	ONC	Horticulture (Fruits)	Cultivation of Fruit	Improved Production technology of Papaya	1	1	0	0	0	0	8	3	22	3	36	
Maha samu nd	F & FW	ONC	Horticulture (Fruits)	Management of young plants/orchards	Orchard Management and Maintainace	28	6	0	0	3	0	11	0	14	0	28	
Maha samu nd	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	4		15	2	12	2	21	2	58	
Maha samu nd	F & FW	OFC	Soil Health and Fertility Management	Integrated water management												0	

Maha samu nd	F & FW	OFC	<b>Soil Health and Fertility Management</b>	Integrated Nutrient Management	Integrated nutrient management in Rabi and Kharif crops	2	2	2		11	4	11	2	20	2	52
Maha samu nd	F & FW	ONC	<b>Soil Health and Fertility Management</b>	Production and use of organic inputs	Vermicomposting technique , Various technique of organic farming	2	2	7		8		10	4	21	3	53
Maha samu nd	F & FW	ONC	<b>Soil Health and Fertility Management</b>	Management of Problematic soils	Reclamation of Problematic soil	1	1	6		6	3	8	3	3	2	31
Maha samu nd	F & FW	ONC	<b>Soil Health and Fertility Management</b>	Micro nutrient deficiency in crops	Deficiency Symptoms and their management of micronutrient	2	2	2		7		5	3	13	3	33
Maha samu nd	F & FW	OFC	<b>Soil Health and Fertility Management</b>	Nutrient Use Efficiency	Biofertilizer application technology	3	2	8		15	4	21	4	9	3	64
Maha samu nd	F & FW	OFC	<b>Soil Health and Fertility Management</b>	Balance Use of fertilizer	Importance and advances of balance fertilization	2	2	7		13	5	11	4	19	4	63
Maha samu nd	F & FW	OFC	<b>Soil Health and Fertility Management</b>	Soil & water testing												0
Maha samu nd	F & FW	ONC	<b>Soil Health and Fertility Management</b>	Organic Farming	Various techniques of organic farming. Importance of organic farming	2	2	6		14	5	17		14	3	59
Maha samu nd	F & FW	ONC	<b>Soil Health and Fertility Management</b>	Others (Pl. Specify)												0
Maha samu nd	F & FW	OFC	<b>Agril. Engineering</b>	Farm machinery & its maintenance	Importance of zero tillage	2	2	8	0	1	0	2	0	22	16	49
Maha samu nd	F & FW	OFC	<b>Agril. Engineering</b>		Importance of line sowing by seed cum fertilizer drill	2	2	3	0	1	0	3	0	38	0	45
Maha samu nd	F & FW	OFC	<b>Agril. Engineering</b>		Operation and use of developed animal drawn farm implements	2	2	1	0	0	0	5	0	42	0	48

Maha samu nd	F & FW	ONC	<b>Agril. Engineering</b>	Installation and maintenance of micro irrigation systems	Micro Irrigation System	2	2	2	0	3	1	5	2	21	15	49
Maha samu nd	F & FW	ONC	<b>Agril. Engineering</b>		Operation and Maintenance of drip irrigation system	2	2	0	0	1	0	3	0	47	0	51
Maha samu nd	F & FW	ONC	<b>Agril. Engineering</b>	Use of Plastics in farming practices	Plasticulture application in horticultural crops	2	2	1	1	3	3	4	2	32	8	54
			<b>Agril. Engineering</b>	Post Harvest Technology												0
			<b>Agril. Engineering</b>	Others (Pl. Specify)												0
Maha samu nd	F & FW	OFC	<b>Plant Protection</b>	Integrated Pest Management	Management of paddy insect p[est	2	2	1 7	2	0	0	0	0	0		19
Maha samu nd	F & FW	OFC	<b>Plant Protection</b>	Integrated Disease Management	Disease management in paddy criop	2	2	1 9	1	0	0	0	0	0		20
Maha samu nd	F & FW	OFC	<b>Plant Protection</b>	Bio0control of pests and diseases	Importance of Predators and Parasites	2	2	2 0	3	0	0	0	0	0		23
Maha samu nd	F & FW	ONC	<b>Plant Protection</b>	Production of bio control agents and bio pesticides	Management of insect pest of chickpea	2	2	2 4	0	0	0	0	0	0		24
Maha samu nd	F & FW	ONC	<b>Plant Protection</b>	Others (Pl. Specify)	Training on Mushroom Production	2	2	1 3	15	0	0	0	0	0		28
Maha samu nd	F & FW	ONC	<b>Fisheries</b>	Integrated fish farming	Training on Honeybee production	1	1	0	0	0	0	0	24	4		28
			<b>Production of Input at site</b>	Others (Pl. Specify)												0
Maha samu nd	F & FW	OFC	<b>Capacity Building and Group Dynamics</b>	Leadership development	Leadership development among farm women	2	1	4	2	4	6	9	1	2	7	35
Maha	F &	OFC	<b>Capacity</b>	Group dynamics	Group dynamics	2	1	3	2	4	11	4	7	3	9	43

samu nd	FW		Building and Group Dynamics														
Maha samu nd	F & FW	OFC	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and Management of SHGs	2	1	0	0	0	11	0	17	0	23	51	
Maha samu nd	F & FW	ONC	Capacity Building and Group Dynamics	Mobilization of social capital	Mobilization of social capital	1	1	0	0	0	0	0	0	0	0	0	
Maha samu nd	F & FW	ONC	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneurial development of farmers/youths	3	1	7	11	4	18	5	9	8	21	83	
Maha samu nd	F & FW	ONC	Capacity Building and Group Dynamics	WTO and IPR issues	WTO and IPR issues	2	1	0	0	0	0	0	0	0	0	0	
Maha samu nd	F & FW	ONC	Capacity Building and Group Dynamics	Others (PI. Specify)	Use of agricultural related app for efficient farming	4	1	2	8	7	15	8	12	10	33	95	

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

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>
<b>Others(PI. Specify)</b> Vermicompost Production Technology(soil sci)	Various method of Vermicompost Production	2	2	11	2	9	1	8	2	12	2
<b>Others(PI. Specify)</b> Poultry Rearing and Mangement	STRY	3	7	76	8	14	6	28	7	13	4
<b>Others(PI. Specify)</b> (horti)	Orchard Management and Maintainace	28	6	0	0	3	0	11	0	14	0
<b>Others(PI. Specify)</b> (horti)	Low cost protected cultivation of vegetable crops	5	5	2	0	38	4	81	5	121	59
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											

Vermi culture													
Mushroom Production													
Bee keeping													
Sericulture													
Repair and maintenance of farm machinery and implements													
Value addition													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
<b>Others(Pl. Specify)</b>													

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

Name of KVK	Category (IS)	Training Type (ONC/OFC) please don't left	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

		blank												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Mahasamu nd	IS	ONC	Integrated Nutrient management	practices of INM for crop productio n	1	1	1	-	5	1	4	-	11	5
	IS		Integrated Pest Management											
	IS		Rejuvenation of old orchards											
	IS		Protected cultivation technology											
	IS		Production and use of organic inputs											
	IS		Care and maintenance of farm machinery and implements											
	IS		Gender mainstreaming through SHGs											
	IS		Formation and Management of SHGs											
	IS		Women and Child care											
	IS		Low cost and nutrient efficient diet designing											
	IS		Group Dynamics and farmers organization											
	IS		Information networking among farmers											
	IS		Capacity building for ICT application											
	IS		Management in farm animals											
	IS		Livestock feed and fodder production											
	IS		Household food security											
	IS		Others(Pl. Specify)	Producti on Tech of Bamboo	1	1	10	0	1	0	1	0	8	0

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

Thematic Area	Sub Theam	Training title	Name of Crop / Enterpr ise	Identified Thrust Area	No of Cour ses	Durat ion of traini ng (days)	Number of Beneficiaries							
							Gen		SC		ST		Othe rs	
							M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture													

Crop production and management	Commercial fruit production															
Crop production and management	Commercial vegetable production															
Crop production and management	Integrated crop management															
Crop production and management	Organic farming															
Crop production and management	Others(PI. Specify)															
Post harvest technology and value addition	Value addition															
Post harvest technology and value addition	Others(PI. Specify)															
Livestock and fisheries	Dairy farming															
Livestock and fisheries	Composite fish culture															
Livestock and fisheries	Sheep and goat rearing															
Livestock and fisheries	Piggery															
Livestock and fisheries	Poultry farming															
Livestock and fisheries	Others(PI. Specify)															
Income generation activities	Vermicomposting	Vermicompost production technology	Vermicompost	Nutrient management	2	2	5	-	8	3	10	3	17	3		
Income generation activities	Production of bioagents, bio pesticides,															
Income generation activities	bio fertilizers etc.															
Income generation activities	Repair and maintenance of farm machinery & implements															
Income generation activities	Rural Crafts															
Income generation activities	Seed production															
Income generation activities	Sericulture															
Income generation	Mushroom cultivation															



activities																			
Income generation activities	Nursery, grafting etc.																		
Income generation activities	Tailoring, stitching, embroidery, dying etc.																		
Income generation activities	Agril. para0workers, para0vet training																		
Income generation activities	Others(PI. Specify)																		
Agricultural Extension	Capacity building and group dynamics																		
Agricultural Extension	Others(PI. Specify)																		

**Table 5.5. Sponsored Training Programmes**

Name of KVK	Client (F &F W/F W/ RY/ IS) please don't left blank	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		Crop production and management	Increasing production and productivity of crops													
Mahasamund		Crop production and management	Commercial production of vegetables													
Mahasamund		Crop production and management	Production and value addition													
Mahasamund		Crop production and management	Fruit Plants	Orchard Management and Maintainace	28	6	0	0	3	0	11	0	14	0		
Mahasamund		Crop production and management	Ornamental plants													
Mahas		Crop production	Spices crops													

amund		and management																
Mahas amund		Crop production and management	Soil health and fertility management															
Mahas amund		Crop production and management	Production of Inputs at site															
		Crop production and management	Methods of protective cultivation															
		Crop production and management	Others(PI. Specify)															
		Post harvest technology and value addition	Processing and value addition															
		Post harvest technology and value addition	Others(PI. Specify)															
		Farm machinery	Farm machinery, tools and implements															
		Farm machinery	Others(PI. Specify)															
Mahas amund		Livestock and fisheries	Livestock production and management	Live Stock Productiont and Management	1	3	2	0	3	4	2	2	0	0	0	0	Manage Hyderabadh (A.P.)42,000/-	
Mahas amund		Livestock and fisheries	Animal Nutrition Management															
Mahas amund		Livestock and fisheries	Animal Disease Management															
Mahas amund		Livestock and fisheries	Fisheries Nutrition															
		Livestock and fisheries	Fisheries Management															
			Others(PI. Specify)															
Mahas amund		Livestock and fisheries	Others(PI. Specify)	Poultry Rearing and Management	3	15		1		6		1		5		1	Manage Hyderabadh (A.P.)42,000/-	
Mahas amund		Home Science	Household nutritional security															
Mahas amund		Home Science	Economic empowerment of women															
Mahas		Home Science	Drudgery reduction of women															

amund																	
		Home Science	Others(Pl. Specify)														
Mahas amund		Agricultural Extension	Capacity Building and Group Dynamics	Kadkanath Farming	1	3	4		3 1				1	ATARI, Jabalpur (M.P.)	40,00 0/-		
Mahas amund		Agricultural Extension	Others(Pl. Specify)														
Mahas amund	F&F W	Agricultural Extension	Training and Demonstration of fish pickle products	Capacity Building and Group Dynamics	Trainin g and Demon stration of fish pickle product s	1	3	0	0	8	1 2	0	0	0	0	CIFT Chenn ai	
Mahas amund	FW	Agricultural Extension	Mushroom production technology	Others(Pl. Specify)	Mushr oom produ ction techn ology	1	1	0	1	0	6	0	8	0	11	NRLM	

**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)	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

**Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2021**

Area of Training	Jan-Dec-2021	
	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-2021**

Area of Training	Jan-Dec-2021	
	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		

## 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	20	20	4000	0	0	0	0	0	0	0			
Mahasamund	Plant/animal health camps	-												
Mahasamund	Awareness programme	12	12	438	72	18	7	33	19	9	3			
Mahasamund	Diagnostic visits	24	24	34	0	4	0	7	1	0	0			
Mahasamund	Exhibition	4	5	126	0	26	0	80	0	9	1			
Mahasamund	Exposure visits	5	2	52	0	11	0	42	0	2	1			
Mahasamund	Ex-trainees Sammelan	2	2	29	3	3	1	6	3	0	0			
Mahasamund	Advisory Services	104	104	87693										
Mahasamund	Farmers visit to KVK	1000	1052	681	106	48	12	114	37	48	6			
Mahasamund	Field Day	5	12	121	21	16	8	86	18	8	2			
Mahasamund	Farm Science Club	5	5	41	6	9	4	42	16	4	1			
Mahasamund	Farmers Seminar/Workshop	5	5	54	15	23	12	18	11	2	2			
Mahasamund	Group Meetings/Discussion	12	12	43	12	22	14	49	33	5	2			

Mahasa mund	Kisan Ghosthi/Sammelan	5	7	172	5 6	4 1	1 9	12 1	3 6	11	6	Awareness Programme on Natural Farming		
Mahasa mund	Krishi Mahotsav	1	1	202	51	49	32	14 9	44	15	7			
Mahasa mund	Kisan Mela	-												
Mahasa mund	Lectures delivered as resource persons	20	42	262	15 3	14 9	11 2	24 8	11 5	34	12			
Mahasa mund	Film Show	1	5	121	53	48	16	10 3	74	12	5			
Mahasa mund	Mahila Mandals conveners meetings	-												
Mahasa mund	Method Demonstrations	2	6	51	12	18	8	52	12	4	2			
Mahasa mund	Pradhanmantri phasal beema yojana	-												
Mahasa mund	Scientific visit to farmers field	24	52	52	28	22	7	11 2	37	6	1			
Mahasa mund	Self Help Group conveners meetings	1	1	0	12	0	2	0	5	0	1			
Mahasa mund	Soil health Camp	1	1	21	6	1 6	8	12	5	3	2			
Mahasa mund	Soil test campaigns	1	1	21	6	1 6	8	12	5	3	2			
Mahasa mund	Extension literature	4	12	200	0	50	0	70	0	25	15			
Mahasa mund	Celebration of important days	7	7	149	4 2	6 8	1 6	11 4	4 0	12	6	Awareness programme on world soil day	Soil health card	
Mahasa mund	Special day celebration	1	7	149	4 2	6 8	1 6	11 4	4 0	12	6			
	Others(pl. Specify)	2	1	24	6	2 6	8	22	5	3	2			

### Mass media used for wide publicity

Name of	Number of events/activity	Name of	Place of delivery or publication	Coverage of the media
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media		channel/ Newspaper used		( Local/ Regional/National)
<b>Mahasamund</b>	Electronic Media (CD./DVD)		-	-
<b>Mahasamund</b>	Extension Literature	4	Indira Kisan Mitan	KVK,Mahasamund
<b>Mahasamund</b>	News paper coverage	24	Patrika, Nav Bharat, Krishak dhoot	Mahasamund
<b>Mahasamund</b>	Popular articles	14	Mahasamund	Mahasamund
<b>Mahasamund</b>	Radio Talks	6	Akashwani, Raipur	Raipur
<b>Mahasamund</b>	TV Talks	2	Doordarshan	Raipur
<b>Mahasamund</b>	Animal health Camps (Number of animals treated)	0	0	0
<b>Mahasamund</b>	Internet (Youtube)	2	Omprakash Aosar (You Tube Channel)	Mahasamund

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

### 7.1 KVK Newsletters (Jan to Dec. 2021)

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 2021	Q1	250	250	Farmers
Mahasamund	April to June 2021	Q2	250	250	Farmers
Mahasamund	July to September 2021	Q3	250	250	Farmers
Mahasamund	October to December 2021	Q4	250	250	Farmers

### 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)
<b>Mahasamund</b>	Abstract		
<b>Mahasamund</b>	Book		
<b>Mahasamund</b>	Book Chapter		
<b>Mahasamund</b>	Booklet		
<b>Mahasamund</b>	CD/DVD		
<b>Mahasamund</b>	Leaflets/ Folder/ Pamphlet	6	2500
<b>Mahasamund</b>	Popular article		
<b>Mahasamund</b>	Research Paper		
<b>Mahasamund</b>	Technical Bulletin	2	500

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	Training Manual		
Mahasamund	Technical Report	3	13
Mahasamund	Year Planner		
Mahasamund	Others (pl. specify)		

#### Research paper /Review paper published during Jan to Dec. 2021

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating ( 2021) /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	Name of Variety (pl. give the name of variety instead of local)	Quantity		Value (Rs.)	Distributed to no. of Farmers/Society	No of Village Covered	Expected area coverage (ha.)
				Unit (Kg/Quintal)	Qty (No.)				
Mahasamund	Cereal	Rice	Kubari Mohar	Quintal	1.73				0
Mahasamund	Oilseed	Mustard	C.G. Sarson	Quintal	4.95	34155	150	90	99
Mahasamund	Oilseed	Linseed	Deepika	Quintal	3.00	17100	25	8	12
Mahasamund	Oilseed	Sesame	GT-5	Quintal	1.33	15827	50	25	26.6
Mahasamund	Oilseed	Soybean	CG Soya-1	Quintal	4.81				
Mahasamund	Vegetable	Brinjal	Indira safed	Kilogram	13	26000	1	26	26
		<b>Total</b>			28.82	93082	226	149	

#### 8.2 Planting Material production



KVK Name	Crop Category	Name of Crop	Name of Variety (pl. give the name of variety instead of local)	Quantity (Nos.)	Value (Rs.)	Provided to no. of Farmers/Society	No of Village Covered	Expected area coverage (ha.)
Mahasamund	Fodder crop	Napier	COBN-5	417500	201502	55	12	31
Mahasamund	Medicinal and Aromatic	Lemon grass	Krishna	25000				
Mahasamund	Medicinal and Aromatic	Pamaroja	Trishna	25000				
Mahasamund	Fruit	Orange	konkan	1000				
Mahasamund	Fruit	Lemon grass	Konan seed less	2000				
Mahasamund	Fruit	Karonda	Local Lal hara	20000	15000	200		10
Mahasamund	Fruit	Guava	alahabad safeda	200				
Mahasamund	Fruit	Jaick fruit	Local	4000				
Mahasamund	Fruit	Anola	Local	2000				
Mahasamund	Fruit	Black bery	Local	1200				
Mahasamund	Fruit	Gulmohar	Local	1500				
Mahasamund	Fruit	Kachnar	Local	1000				
Mahasamund	Fruit	Salvi	Local	800				
Mahasamund	Fruit	Ashok	Local	1500				
Mahasamund	Fruit	Papaya	Red Lady	3000	10000	200		0.2
Mahasamund	Vegetable	Drumstick	PKM-1	500	15000	200		0.2
Mahasamund	Vegetable	cabbage	Ganesh Goal	8000	4000			0.05
Mahasamund	Vegetable	Cauliflower	Pusa Snowball	8000	4000			0.05
Mahasamund	Vegetable	B rinjal	Indira Safed	8000	4000			0.05
Mahasamund	Vegetable	Sweet potato	India madhue,	5700	17100			0.05
Mahasamund	Vegetable	Chilli	Hybrid	2400	2400			0.05
Mahasamund	Vegetable	Tomato	Hybrid	2365	2365			0.05

### 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	No of Villages Covered
Mahasamund	Bio Fertilizers	Non Symbiotic Azotobacter					
Mahasamund		Vermicompost	81520	18	815200/-	Used in KVK Farm	-
		Azolla					
		Earthworms					
		Compost					
		Blue green algae					
Mahasamund		NADEP	10830	36	541525/-	Used in KVK Farm	
		Sanjeevani Khad					
		Acetobacter					
		Rhizobium					
		Other (pl. specify)					
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Bio-Food	Spirulina					
		Honey					
		Other (pl. specify)					
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Bio Pesticides	Neem extract					
		Neem powder					
		Tobacco extract					
		Trichoderma viride					
		Pseudomonas fluorescens					
		SINPV					
		HaNPV					
		GF1					
		Other (pl. specify)					
		<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Bio Agents (Tricho	Trichogramma chilonis					

	card)	Chrysoperla carnea					
		Tricho card					
		Other (pl. specify)					
		<b>Total</b>	0	0	0	0	0
	<b>Bio Agents (Pyrrilla parasitoids)</b>	Ooincirtus papilionis					
		Epiricania melanolauca					
		<b>Total</b>	0	0	0	0	0
Mahasamund	<b>Bio Agents (Worms)</b>	Eisenia fetida	14	14	5600/-	18	7
		Eudrilus eugeniae					
		Earth worm					
		Other (pl. specify)					
		<b>Total</b>	0	0	0	0	7
	<b>Others</b>	Mushroom spawn					
		Mineral Mixture					
		Cow dung (dry)					
		Other (pl. specify)					
		<b>Total</b>	0	0	0	0	0
		<b>Grand Total</b>	0	0	0	0	7

#### 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		
Mahasamund	Dairy animals	Cow	Gir	Milk	liter	4789	191560	55
Mahasamund		Calves	Gir		number	7	48000	7
Mahasamund		Goats	Barbari	Meat	number	6	0	0
Mahasamund		Buffaloes						
Mahasamund		Sheep						
Mahasamund		Breeding bull						
Mahasamund		(Pl. Specify)						
Mahasamund	Poultry	Poultry	Kadaknath	Meat	kg	282.872	126644	50

Mahasamund		Poultry	Kadaknath	Chicks	number	355	28400	45
Mahasamund		Poultry	Kadaknath	Egg	number	1591	12728	125
Mahasamund		Japanese quail	Japanese	Adult(Meat)	number	5542	226035	75
Mahasamund		Japanese quail	Japanese	Chicks	number	23888	240237	185
Mahasamund		Japanese quail	Japanese	Egg	number	6812	8515	89
Mahasamund		Ducks	Khkhi kambel, White Pecins	Meat	number	29	7250	29
Mahasamund		Ducks	Khkhi kambel, White Pecins	Chicks	number	50	6350	20
		Sow						
		(Pl. Specify)						
	Rabbitry	(Pl. Specify)						
	Fisheries	Indian carp						
		Exotic carp						
		Ornamental fish						
		Other (Pl. Specify)						

## Livestock and fingerlings

KVK	Livestock category	Livestock	Type of Breed	Number	Value (Rs)	No. of farmers	No of Villages Covered
	Dairy animals	Cow	Gir	0			
		Calves	Gir	7	48000	7	5
		Goats	Barbari	0			
		Others					
		<b>Total</b>		<b>7</b>	<b>48000</b>	<b>7</b>	<b>5</b>
	Poultry	Poultry(Meat)	Kadaknath	362	126644	50	32
		Poultry(Chicks)	Kadaknath	355	28400	45	37
		Poultry(Egg)	Kadaknath	1591	12728	125	97
		Japanese quail(Meat)	Japanese	5542	226035	75	56
		Japanese quail(Chicks)	Japanese	23888	240237	185	135

		Japanese quail(Egg)	Japanese	6812	8515	89	42
		Ducks	Khkhi kambel, White Pecins	29	7250	29	9
		Ducks	Khkhi kambel, White Pecins	50	6350	20	9
		<b>Total</b>		<b>38629</b>	<b>656159</b>	<b>618</b>	<b>417</b>
	Piggery	Piglets		0			
		Others					
		<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
	Fisheries	Indian carp		0			
		Exotic carp					
		Others					
		<b>Total</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Grand Total</b>		<b>38636</b>	<b>704159</b>	<b>625</b>	<b>422</b>

## 9. Activities of Soil and Water Testing Laboratory

### 9.1 Details of soil samples analyzed during Jan to Dec. 2021 :

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)	
		Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory	By Department	By KVK	By KVK	By Department			Through Mini Soil Testing kit	Through Soil testing laboratory

Mahasa mund	2016-17	2	2	298	-	298	-	-	298	-	-	21	Nil	298	-
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**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/RV/EF)	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	

### 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	3	4	0	88	12

## 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	
	-	-	-	-	-	-	-	-	-	-	-	-	-

## 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

### 1. Details of SAC Meeting during Jan to Dec. 2021

KVK Name	Date of SAC meeting 2021	No. of SAC members (only) attended	Major action points*
Mahasamund	14.07.2021	4	

### 2. Footfall of farmers in KVKs (Jan. 2021 to Dec. 2021)

State	Name of KVK	Footfall during 2021			
		No. of Farmers	No. of officials	No. of VIPs	Total
CG	Mahasamund	998	38	14	1052

\*Separate JPEG Photographs (2-3 only)

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

KVK Name	Thematic area	Particulars	No. of Calls	No of Advisory sent	No. of messages sent	No. of Beneficiary		Total No of Villages	No of Village Covered	Sponsoring agency (NIC, Farmers Portal, etc.)
						Farmer	Ext. Pers.			
Mahasamund	Crop Management	Crop Production Technology	Crop Production Technology	15	18	18	83839	1142	87693	
	Crop Management	Integrated Farming	Integrated Farming	15	15	18	83839	1142	87693	
	Crop Management	Field Preparation	Field Preparation	12	16	18	83839	1142	87693	
	Crop Management	Any Other (Specify)	Any Other (Specify)	15	12	10	83839	1142	87693	
	Weather	Advisory	Advisory	17	15	18	83839	1142	87693	
	Weather	Change in variety	Change in variety	14	16	17	83839	1142	87693	
	Weather	Change in Sowing technique	Change in Sowing technique	18	14	18	83839	1142	87693	
	Weather	Climate forecast	Climate forecast	17	19	17	83839	1142	87693	
	Weather	Any Other (Specify)	Any Other (Specify)	17	8	8	83839	1142	87693	
	Soil Management	Soil Testing	Soil Testing	15	7	7	83839	1142	87693	



	Soil Management	INM	INM	12	8	6	83839	1142	87693	
	Soil Management	Fertilizer Application	Fertilizer Application	13	5	10	83839	1142	87693	
	Soil Management	Vermicomposting/ bio-waste recycling	Vermicomposting/ bio-waste recycling	13	5	10	83839	1142	87693	
	Soil Management	Bio-fertilizer	Bio-fertilizer	8	10	7	83839	1142	87693	
	Soil Management	Any Other (Specify)	Any Other (Specify)	6	7	7	83839	1142	87693	
	Disease & Pest Management	Disease Management	Disease Management	15	8	8	83839	1142	87693	
	Disease & Pest Management	Pest Management	Pest Management	15	8	8	83839	1142	87693	
	Disease & Pest Management	Preventive Advisory Disease Management	Preventive Advisory Disease Management	8	10	8	83839	1142	87693	
	Disease & Pest Management	Preventive Advisory Pest Management	Preventive Advisory Pest Management	8	10	8	83839	1142	87693	
	Disease & Pest Management	Bio-pesticides	Bio-pesticides	7	6	10	83839	1142	87693	
	Disease & Pest Management	Any Other (Specify)	Any Other (Specify)	6	8	8	83839	1142	87693	
	Nutrition Security & Women Empowerment	Nutrition Awareness	Nutrition Awareness	15	6	7	83839	1142	87693	
	Nutrition Security & Women Empowerment	Kitchen garden	Kitchen garden	15	7	7	83839	1142	87693	
	Nutrition Security & Women Empowerment	Value Addition and Processing	Value Addition and Processing	12	7	8	83839	1142	87693	
	Nutrition Security & Women Empowerment	Drudgery Reduction	Drudgery Reduction	5	7	7	83839	1142	87693	
	Nutrition Security & Women Empowerment	Entrepreneurship & Income Generation	Entrepreneurship & Income Generation	6	10	7	83839	1142	87693	
	Nutrition Security & Women Empowerment	Advisory	Advisory	12	7	7	83839	1142	87693	
	Nutrition Security & Women Empowerment	Any Other (Specify)	Any Other (Specify)	4	8	7	83839	1142	87693	
	Horticulture	Vegetable	Vegetable	18	14	15	83839	1142	87693	
	Horticulture	Fruit	Fruit	17	15	15	83839	1142	87693	
	Horticulture	Hi Tech Horticulture	Hi Tech Horticulture	13	10	10	83839	1142	87693	
	Horticulture	Any Other (Specify)	Any Other (Specify)	8	7	6	83839	1142	87693	
	Livestock	Feed and Fodder	Feed and Fodder	8	5	5	83839	1142	87693	

	Livestock	Dairy Management	Dairy Management	7	5	5	83839	1142	87693	
	Livestock	Fisheries	Fisheries	9	6	6	83839	1142	87693	
	Livestock	Poultry Management	Poultry Management	8	5	5	83839	1142	87693	
	Livestock	Vaccination & Disease management	Vaccination & Disease management	9	6	5	83839	1142	87693	
	Livestock	Any Other(Specify)	Any Other(Specify)	4	5	5	83839	1142	87693	
	Farm Mechanization	Farm Mechanization								
	Extension	Extension								
	Organic Farming	Organic Farming								
	Marketing	Marketing								
	Awareness	Awareness								
	Other Enterprise	Other Enterprise								
	Any Other(Specify)	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	state	1279200	Phalodyan Staphana	Fruit Crops	Functional
Mahasamund	Biotech-KISAN	Central	2500000	Demonstration under Crop based, NRM based and horticulture based module	20	Functional

#### 18. Status of Contingency Utilization Jan-Dec-2021

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 <b>(Pl. Specify)</b>			
		Others <b>(Pl. Specify)</b>			

#### 19. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance on 01 .01.2021 (Rs.)	Closing balance 31.12.2021 (Rs.)	Name of major source of revolving fund
Mahasamund	36711328700	861194.68	1115338.61	KVK Farm produce

#### 20. Awards & Recognitions

KVK Name	Name of award	Name of awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations (local/Regional/National)	Amount received
Mahasamund	Dr. B. P. Pal Memorial Award	Individual	The Society of Tropical Agriculture, New Delhi		-
Mahasamund	Bharat Vidya Ratan Award	Individual	International Business Council, New Delhi		-
Mahasamund	Bhuyia ke Bhagwan	Individual	IBC 24		
Mahasamund	Excellence in Extension award	Individual	Agricultural and Environmental Technology Developmental Society		
Mahasamund	Vice Chancellor's Certificate of Appreciation	Institute	Dr. S. K. Patil, Hon' ble Vice Chancellor IGKV Raipur, C.G		
Mahasamund	Vice Chancellor's Certificate of Appreciation	Shri Khyal Das Vaishnav	Hon' ble Vice Chancellor IGKV Raipur, C.G		
Mahasamund	District Collector Appreciation	Sh. H. S. Tomar	District Collector Appreciation		
Mahasamund	District Collector Appreciation	Dr. Saket Dubey	District Collector Appreciation		

#### 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
150	Vegetables	Sweet Potato	Indira Madhur	Indira Madhur
150	Vegetables	Sweet Potato	Shri Ratna	Indira Madhur
150	Vegetables	Sweet Potato	C.G. Narangi	Indira Madhur
150	Vegetables	Sweet Potato	Nandini	Indira Madhur

150	Vegetables	Sweet Potato	Navin	Indira Madhur
150	Flower	Marigold	Pusha Narangi	Pusha Narangi
150	Flower	Marigold	Pusha Basanti	Pusha Narangi

## 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: Kurubhata, 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 Chandrakar	Crop diversification in rabi crop for water saving (Wheat, pulse and oilseed in place of summer paddy)	Village: Saradih, Block & District: Mahasamund	M:08770857448
6	Mahasamund	Shri 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	08.04.21	9
Mahasamund	17.07.21	5
Mahasamund	23.09.21	4

Mahasamund	22.11.21	4
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#### 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, , 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	Gariyabad , Raipur	SAC meeting	4	12	-

#### 27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Mahasamund	Shri. V.V. Khalkho, Comptroller	15.06.2021		IGKV, Raipur		
Mahasamund	Dr. P. K. Chandrakar, Director Farm	15.12.2021		IGKV, Raipur		
Mahasamund	Dr. R.S. Tiwari, Dy. Gen. Manager	22.12.2021		IFFCO, Raipur		
Mahasamund	Dr. R.K.Bajpai , DES	22.12.21		IGKV, Raipur		
Mahasamund	Dr. Moovendhan, Dr. Muralidharan	14.12.2021	NIBSM, ICAR, Raipur			

#### 28. Status of KVK Website during Jan to Dec. 2021

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2021	No. of visitors during 2021	Flag Collected	Year Planner
1	Mahasamund	February 2014	www.kvkmahasamundcg.org	52	18497	14	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 whats app group
Mahasamund	Agro advisory bulletin (english and regional)	801	Dissemination of weather forecast , agronomy, horticulture, soil science , entomology, plant pathology related messages
Mahasamund	Crop Doctor	742	Dissemination of weather forecast , agronomy, horticulture, soil science , entomology, plant pathology related messages
Mahasamund	Megdhoot	854	Dissemination of weather forecast , agronomy, horticulture, soil science , entomology, plant pathology related messages

**30.2 Information on social media by KVK**

KVK	Facebook			Twitter		Instagram	
	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
Mahasamund	2	21	4			-	-

**30. Status of RTI**

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

**31. Status of Citizen Charter**

Sr. No.	Name of KVK	Query received( Nos)	Query Disposed(	Remarks
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			Nos)	
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	10	
	Total		10	

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Mahasamund	05	21

### 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	6	Training
Mahasamund	Shri H.S Tomar	SMS (Agronomy)	1	Training
Mahasamund	Dr Saket Dubey	SMS (Horticulture)	2	Training
Mahasamund	Er. Ravish Keshri	SMS (Agriculture Engineering)	1	Training
Mahasamund	Sh. Rajni Agashe	SMS (Agriculture Extension)	2	Trg cum workshop on Women Harassment
Mahasamund	Sh. S.M. Ali Humayun	Programme Assistant	1	Training
Mahasamund	Sh. Deepanshu Mukherjee	SMS (Agrometeorology)	1	Training

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Mahasamund	7	14

### 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 H.S Tomar	SMS (Agronomy)	2	2	Training Programme
Mahasamund	Dr Saket Dubey	SMS (Horticulture)	2	4	Training Programme
Mahasamund	Er. Ravish Keshri	SMS (SWE)	3	12	Short Course
Mahasamund	Sh. Rajne Agase	SMS (Agriculture Extension)	2	2	Training Programme

<b>Mahsamund</b>	Sh. S.M. Ali Humayun	Programme Assistant	1	1	Training Programme
<b>Mahsamund</b>	Sh. Deepanshu Mukherjee	SMS (Agricultural Meteorology)	5	16	Short Course

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
	6	18

### 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	Flooding	13.09.2021-	KMA	-
Mahasamund	Thunder and Rainfall	23.07.2021	KMA	
Mahasamund	Thunder and Rainfall	20.08.2021	KMA	
Mahasamund	Heavy Rain	28.08.2021	KMA	

### 36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of the KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Mahasamund	Gosthies	6	149	
Mahasamund	Lectures organized	75	1500	Lectures Delivered
Mahasamund	Exhibition	10	712	Agri tech
Mahasamund	Film show	18	542	Crop Production technology
Mahasamund	Fair	0	0	
Mahasamund	Farm/ Field Visit	112	401	Crop Production
Mahasamund	Diagnostic Practical's	24	46	
Mahasamund	Distribution of Literature (No.)	12	360	
Mahasamund	Distribution of Seed (q)	15.95	149	
Mahasamund	Distribution of Planting materials (No.)	562000	655	
Mahasamund	Bio Product distribution (Kg)	14	20	
Mahasamund	Distribution of Bio Fertilizers (q)	54	-	
Mahasamund	Distribution of fingerlings	0	0	
Mahasamund	Distribution of Livestock specimen (No.)- Live Stock Strains	5911	132	
Mahasamund	Total number of farmers visited the technology week	36	1052	



Mahasamund	Animal health camp			
Mahasamund	Awareness programme	8	561	Awareness programme under jal sakti abhiyan , swachta abhiyan, meterology alert, natural farming , quail ,poultry
Mahasamund	Demonstration	0	0	
Mahasamund	Exposure visit	0	0	
Mahasamund	Ex-trainees Meet	0	0	
Mahasamund	Farmer scientist interaction	18	412	Awareness , demonstration, advisory
Mahasamund	Farmers Training	65	216	Farmers Training
Mahasamund	Gajarghans Unmulan Pakhwada	15	352	Gajarghans Unmulan Pakhwada
Mahasamund	Group Meeting	0	0	
Mahasamund	Jai Kisan Jai Vigyan Sangoshthi	5	213	Commercial management mushroom technology, vericompost technology
Mahasamund	Plant Protection Week	0	0	
Mahasamund	Seed treatment campaign	10	142	Seed treatment of paddy and chickpea under biotech kisan
Mahasamund	Self Help Group convener meet	0	0	
Mahasamund	Soil health Camp	0	0	
Mahasamund	Swachha Bharat Abhiyan	24	136	Cleaning
Mahasamund	Others (Pl. Specify)	0	0	
Mahasamund	<b>Other Activities</b>			
Mahasamund	Celebration of important days (Parthenium eradication week, Swachhata Abhiyan, International Women Day, National Integrity Day, World Soil Health Day, World environment day, World forestry day, World Water Day)	10	498	Celebration of important days
Mahasamund	Scientists visits in farmers field	24	306	
Mahasamund	Others	52	242	Scientist visit to farmers field
Mahasamund	<b>Total</b>	<b>475</b>	<b>6684</b>	

### 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
Mahasamund	-	15.95	163.6	149

**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
Mahasamund		14		20

**Bio-Fertilizer**

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Mahasamund		54		

### 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-2021

Sl. No.	K V K	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 Extension Personnel	On-farm trials	Frontline demos	Mobile agro-advisory to farmers						

### 39. Information for SCSP Jan-Dec-2021

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-2021

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

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### 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-2021

### Information about DFI Village

Name of KVK	Block	Name of DFI Village	Total geographical area (ha)	House hold	Population
Mahasamund	Mahasamund	Paraswani	232.84	149	746

#### 1. Technologies Assessed (OFT) 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	Enhancement of Staminate flowers in Bottle Gourd by application of Ethrel	1	0.4	5
Mahasamund	Increase in production of livestock				
Mahasamund	Improvement in efficiency of input use (cost saving)	SHC based nutrient management	1	0.4	5
	Increase in crop intensity				
	Diversification towards high value crops	Under Testing Paddy cultivar RRF-105 of IGKVV Raipur with Trico derma and dry seeded Rice Technique	1	0.4	5
	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	Low Cost Protected cultivation of vegetables	01	75sqm	05
	Increase in production of livestock	Backyard Poultry	01	0	05
	Improvement in efficiency of input use (cost saving)	Fertilizer Application on the basis of soil health card recommendations	01	0	05
	Increase in crop intensity				

	Diversification towards high value crops				
	Improved price realization by farmers and market linkage				

## 2. 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 cultivation of sesame in rice-rice cropping system	2	2	13	9	12	14	18	13	26	12	117
Mahasamund	Integrated farming system	1	1	0	0	12	8	14	6	15	8	63
Mahasamund	Importance of Training and Pruning in Fruit Crops	1	1	0	0	4	0	8	0	17	2	31
Mahasamund	Layout of Orchards	1	1	0	0	6	0	5	1	21	2	35
Mahasamund	Integrated nutrient management in Rabi and Kharif crops	2	2	2		11	4	11	2	20	2	52
Mahasamund	Vermicomposting technique , Various technique of organic farming	2	2	7		8		10	4	21	3	53
Mahasamund	Micro Irrigation System	2	2	2	0	3	1	5	2	21	15	49
Mahasamund	Operation and Maintenance of drip irrigation system	2	2	0	0	1	0	3	0	47	0	51
Mahasamund	Training on Mushroom Production	2	2	13	15	0	0	0	0	0		28
Mahasamund	Training on Honeybee production	1	1	0	0	0	0	0	24	4		28
Mahasamund	Leadership development among farm women	2	1	4	2	4	6	9	1	2	7	35
Mahasamund	Group dynamics	2	1	3	2	4	11	4	7	3	9	43

## 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	
Mahasamund	Awareness programme	12	12	438	72	18	7	33	19	9	3

#### 43. Activities in Nutri-Smart Village during Jan-Dec-2021

##### Information about Nutri-Smart Village

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

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

Name of KVK	Block	Name of Nutri Smart Village	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
Mahasamund	Mahasamund	Paraswani	Nutritional Garden (activity in no. of Unit) ( <b>m<sup>2</sup></b> )	Nutrition Garden	1	0	
			Bio-fortified Crops (activity in no. of Unit) ( <b>ha</b> )				
Mahasamund	Mahasamund	Paraswani	Value addition (activity in no. of Unit/Enterprise)	Preservation of Fruit and Vegetable Crops	1	0	5
			Value addition (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

	Nutritional Garden (activity in no. of Unit) ( <b>m<sup>2</sup></b> )	Demonstration of Nutrition Garden	1	0	5
	Bio-fortified Crops (activity in no. of Unit) ( <b>ha</b> )	Demonstraion of Zinco Rice	1	2	50
	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 cultivation of sesame in rice-rice cropping system	2	2	13	9	12	14	18	13	26	12	117
Mahasamund	Integrated farming system	1	1	0	0	12	8	14	6	15	8	63
Mahasamund	Importance of Training and Pruning in Fruit Crops	1	1	0	0	4	0	8	0	17	2	31
Mahasamund	Layout of Orchards	1	1	0	0	6	0	5	1	21	2	35
Mahasamund	Integrated nutrient management in Rabi and Kharif crops	2	2	2		11	4	11	2	20	2	52
Mahasamund	Vermicomposting technique , Various technique of organic farming	2	2	7		8		10	4	21	3	53
Mahasamund	Micro Irrigation System	2	2	2	0	3	1	5	2	21	15	49
Mahasamund	Operation and Maintenance of drip irrigation system	2	2	0	0	1	0	3	0	47	0	51
Mahasamund	Training on Mushroom Production	2	2	13	15	0	0	0	0	0		28
Mahasamund	Training on Honeybee production	1	1	0	0	0	0	0	24	4		28
Mahasamund	Leadership development among farm women	2	1	4	2	4	6	9	1	2	7	35
Mahasamund	Group dynamics	2	1	3	2	4	11	4	7	3	9	43

### 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	
Mahasamund	Awareness programme	12	12	438	72	18	7	33	19	9	3




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

Title	Line transplanting of paddy with seed treatment by Pseudomonas fluorescens					
Introduction	Rice is the main staple food crop and is grown in the entire land situation (upland, midland, lowland) with high water and input cost at Mahasamund district. In Mahasamund District of Chhattisgarh total rice area is 244.24 thousand hectares with production of 844.18 thousand tones and productivity 3620 kg/ha (Anonymous, 2020).The study was conducted to identify the cost and returns in production of paddy crop with seed treatment by Pseudomonas fluorescens					
Technology given by KVK	KVK Mahasamund implemented OFT/FLD with the technology of HYV+ Line transplanting+RDF+Use post emergence herbicide+Seed treatment by Pseudomonas fluorescens					
KVK intervention	Activities		Nos.		Beneficiaries	
	Training		15		245	
	OFT		2		10	
	FLDs		20 ha		50	
	Field day		5		167	
Output	Average Demonstration Yield: 58.3 q /ha					
	Average farmers practices yield: 47.6 q /ha					
Outcome	Particulars	variety	Cost of cultivation	Gross return(Rs /ha	Net return(Rs/ha)	B:C ratio
	Farmers Practices	Local variety	48300	118250	69950	1.44
	Demonstration	Rajeswari (IGKV-R-1)	52400	145750	93350	1.78
Impact	Earlier farmers were using their traditional cultivation practices and local variety and getting yield of average 47.6 q /ha with B:C ratio (1.44) After adaptation of technology given by the KVK scientist they got average yield of rice is 58.3 q /ha with B:C ratio (1.78).The farmers are very happy and ready to adopt these technology in future. Pseudomonas strains enhanced disease resistance, seed germination and plant growth in rice plant.					
Photographs						



<b>Title</b>	Use of urea briquette in transplanted paddy to increase the nitrogen use efficiency.					
<b>Introduction</b>	In Mahasamund District rice is main crop in kharif season. Losses of nitrogen is very high due to leaching, volatilization and identification. Losses of nitrogen increased the cost of cultivation of paddy and pollute the water. Prilled urea is less efficient to supply the N nutrient. The briquetts of urea is more suitable and more efficient to supply the N nutrient in plant.					
<b>Technology given by KVK</b>	KVK Mahasamund implemented OFT/FLD with the technology of HYV+ Line transplanting+use of Urea briquetts					
<b>KVK intervention</b>	<b>Activities</b>	<b>Nos.</b>			<b>Beneficiaries</b>	
	Training	13			221	
	OFT	4			10	
	FLDs	10 ha			25	
	Field day	4			152	
<b>Output</b>	Average Demonstration Yield: 48.07 q /ha					
	Average farmers practices yield: 37.43 q /ha					
<b>Outcome</b>	<b>Particulars</b>	<b>variety</b>	<b>Cost of cultivation</b>	<b>Gross return(Rs/ha</b>	<b>Net return(Rs/ha)</b>	<b>B:C ratio</b>
	Farmers Practices	Imbalance nutrient management (Dose (75:46:00NPK kg/ha)	29527	72555	43028	2.45
	Demonstration	Rajeswari and 100:60:40 (N:P:K) P and K applid at the time of transplantin, while Nitrogen applid as	31668	92644	60976	2.92

		briquette within 7-10 DAT by urea briquette applicator				
<b>Impact</b>	Earlier farmers were using their traditional cultivation practices and applied imbalance nutrient and getting yield of average 37.43 q /ha with B:C ratio (2.45) After adaptation of technology given by the KVK scientist they got average yield of rice is 48.07 q /ha with B:C ratio (2.92). It's a cost and time saving technology. The farmers are very happy and ready to adopt the technology in future.					
<b>Photographs</b>						

**(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	120 (DFI)	2

**45. Well labeled Photographs in .jpeg format with high resolution (300 dpi) of each activity of the KVK.  
(Separately) (pl don't paste photo in word file)**