Mahasamund

ANNUAL PROGRESS REPORT

January 2024 to December 2024

ANNUAL Progress Report 2024

KVK Mahasamund

Year of sanction: 2004

1.1 Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Satish Kumar Verma	KVK Mahasamund	9424214626	kvk.mahasamund@igkv.ac.in

1.2 Staff Position on (31th Dec.2024)

S. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic (Rs.)	Date of Joining	Date of joining this KVK (Year)	Contact No.	Email ID	Photo
1	Programme Coordinator	Dr. Satish Kumar Verma	Senior Scientist & Head	Horticulture	131400-217100, 161600	22.09.12	04.10.14	942421426	skvhort2014@gmail.com	
2	Subject Matter Specialist	Dr. Saket Dubey	SMS	Horticulture	.56100-177500, 73200	06.09.12	07.04.15	8817551202	saketdubey_horti@rediffmail.com	
3	Subject Matter Specialist	Dr Kunal Chandrakar	SMS	Soil Science	56100-177500,65000	16.09.14	10.08.15	9754377591	kunal1586@gmail.com	
4	Subject Matter Specialist	Mrs. Rajni Dharmendra Agashe	SMS	Agricultural Extension	56100-177500,65000	22.09.14	12.10.20	7389325085	rajniagashe@gmail.com	
5	Subject Matter Specialist	Er. Ravish Keshri	SMS	Soil & Water Engineering	56100-177500,69000	20.10.14	20.10.14	9425373479	ravishkeshri@gmail.com	
6	Subject Matter Specialist	Vacant	SMS	-	-	-	-	-	-	
7	Subject Matter Specialist	Vacant	SMS	-	-	-	-	-	-	
8	Programme Assistant	Dr. S. M. Ali Humayun	PA (Ento)	Entomology	35400-112400, 44900	27.10.14	27.10.14	9827909069	humayun27@ymail.com	
9	Computer Programmer/ Programme Assistant	Dr. Punitha Kartikeyan	PA (Comp)	Computer Science	35400-112400, 47600	26.09.12	29.07.13	9424231673	punitakartikeyan@gmail.com	
10	Farm Manager	Mr. Kamal Lodhi	FM	Agronomy	35400-112400, 35400	31.10.19	31.10.19	7000084941	kamallodhi1610@gmail.com	
11	Assistant	Vacant	AG-1	-	-	-	-	-	-	
12	Jr. Stenographer / Comp. Operator	Shri Devlal Sahu	AG-II	-	23350	18.06.2024		8889383249	devlalsahu8@gmail.com	
13	Driver	Vacant	Driver	-	-	-	-	-	-	
14	Driver	Vacant	Messenger	-	-	-	-	-	-	
15	Supporting staff	Shri Rohit Bandhe	Driver	-	18000	15.03.2024	15.03.24	9981310100	rohitbandhe64@gmail.com	
16	Supporting staff	Shri Omakr Sahu	Watchman	-	14400	08.07.2024	-	8966852407	kvkmahasamund@gmail.com	

1.3 Total land with KVK (in ha): 20 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
Total		**20 ha**

1.4 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	ICAR	-	-	-	-	-	-
2	Farmers Hostel	ICAR	-	-	-	-	-	-
3	Staff Quarters (6)	-	-	-	-	-	-	-
4	Demonstration Units (2)	DMFT(quail unit), DMFT (Mushroom unit)	-	-	-	-	-	-
5	Fencing	RKVY, IGKV	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	RKVY	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor 1	2005	382607	69195 (09.07.15)	Write off on 09.7.15
Tractor 2	2023	727634		working
Motor Cycle	2005	41998.81	57014	working
Bolero(Jeep)	2018	774890	136963	working
Other (Marshal)	2005	Write off		Write off

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Projector	2021	52816	working
Xerox Machine	2016	75915	working
Generator	Write off		
Video Camera	-		
Computer, Laser Printer			
UPS 600 VA	-		
Stabilizer 2 KVA	-		
Stabilizer	2021	3700	working
Inverter 600 VA (2)	-		
Inverter Battery (2)	-		

1.5.(A). Details of SAC meeting to be conducted in the year

KVK Name	Date of SAC meeting 2024	No. of SAC members (only) attended	Major action points*
Mahasamund	**08.08.24**	**35**	Promotion of improved technology as per need of farmers in the district for doubling farmers income

2. DETAILS OF DISTRICT

Major farming systems / enterprises (based on the Agro-ecological situation analysis made by the KVK) Add AES if needed

S. No.	Farming system/enterprise	Description
1	AES – 1(Mahasamund & Bagbahra block)	Rainfall, mm - 1434 Soil type - Loamy Topography -Gentle slope Farming system - Agriculture + horticulture, Agriculture + fishery, agriculture + forestry
2	AES – 2 ((Pithora, Basna & Saraipali block)	Rainfall, mm - 900 - 1100 Soil type - Clay loam Topography- Moderate slope Farming system - Agriculture + horticulture, Agriculture + dairy, Agriculture + fishery, agriculture + forestry

Description of Agro-climatic Zone & major agro-ecological situations (based on soil and topography)

S. No.	Agro-climatic Zone	Characteristics
1	AES – 1(Mahasamund & Bagbahra block)	Rainfall, mm - 1434 Soil type - Loamy Topography -Gentle slope Farming system - Agriculture + horticulture, Agriculture + fishery, agriculture + forestry
2	AES – 2 ((Pithora, Basna & Saraipali block)	Rainfall, mm - 900 - 1100 Soil type - Clay loam Topography- Moderate slope Farming system - Agriculture + horticulture, Agriculture + dairy, Agriculture + fishery, agriculture + forestry

SWOT Analysis of each Agro-Ecological Situations of district
AES-1 (name)

Strength	Weakness	Opportunities	Threats
Availability of raw material like paddy, wheat, kodan, tur, kulthi etc. Due to this, there is good scope for agro based industries.	• Agriculture and Horticulture have not been effectively exploited. • Inadequate infrastructure base industrial estate, transport etc mark the industrial growth.	Development of agriculture sector establishment of agro-based industries well in tern provide opportunities for development of agricultural products such as fruits and vegetables	Ecological Imbalance: There is possibility of creating an ecological imbalance because of felling of trees, changing topography of land, utilization of large quantities of ground water etc.

AES-2 (name)

Strength	Weakness	Opportunities	Threats
• Density of population is lower than state average. Hence large area of free land is available for industrialization.	• District is lacking on medical facilities, education, initiations, entrepreneurial talent and Industrial culture. • Agriculture is main activity of district. farmers are not interested	• Raipur and Durg districts are well developed cities and known as the industrial cities in CG state is near to Mahasamund district.	• If proper investment climate is not provided, capital might get diverted and get sunk in un-productive assets. This will cause capital

	in industrial activity.		squeeze for new projects.

AES-3 (name)

Strength	Weakness	Opportunities	Threats
•	•	•	•

AES-4 (name)

Strength	Weakness	Opportunities	Threats
•	•	•	•

Add AES if needed

Land Use Pattern

Particulars	Area "000 ha"
Total Geographical area	413462.9
Forest	41453.75
Waste Land	7005.11
Other than cultivated area	34124.76
Cultivable waste and alkaline land	12380.98
Pastures	16152.17
Bushes	-
Current Fallow	3197.63
Other Fallow	3807.48
Agricultural Land	303731.1
Area Sown	256524
Kharif	256524
Rabi	42258
Zaid	-
Cropping Intensity	119

Irrigated Area with Different Sources:

S. No.	Description	Area (ha)
1	Canal	5596
2	Well	795
3	Tube well	63287
4	Ponds	5596
5	Others	7170

Soil types

S. No.	Soil type	Characteristics	Area “000 ha”
1	Bhata soil (Entisol)	Sandy, light and shallow	58438 (20.95%)
2	Matasi soil (Inceptisol)	Sandy Loam, medium shallow deep	107547 (38.56%)
3	Dorsa soil (Alfisol)	Clay loam, heaver deep	59667 (21.39 %)
4	Kanhar soil (Vertisol)	Clayey heaver deep	53250 (19.09 %)

Note: Figure. In parenthesis denotes the percentage of total area.

Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qt.)	Productivity (Q /ha)
1	Fruits	12491	185357	14.84
2	Vegetables	19217	324.185	16.87
3	Spices	3067	33277	10.85
4	Flowers	1641	24931	15.19
5	Aromatic	32	241	7.53

Source: Directorate of Horticulture and Farm Forestry, Nava Raipur 2023-24

Weather data (Jan, 2024- Dec., 2024)

Month /Year	Rainfall (mm)	Temperature (^{0}C)	
		Maximum	Minimum
Jan. 2024	8.6	27.9	14.3
Feb. 2024	5.8	31.4	17.5
Mar. 2024	28.9	35.8	20.6
Apr. 2024	62.2	37.9	23.1
May. 2024	13.2	41.0	26.5
Jun. 2024	131.0	39.0	27.7
July. 2024	342.5	31.2	25.8
Aug. 2024	356.8	30.5	25.4
Sept. 2024	248.4	31.9	25.4
Oct. 2024	12.1	33.0	24.5
Nov. 2024	0.0	30.3	16.0
Dec. 2024			

Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred/ Indigenous	3.05 Lakh	71.98 MT.	kg
Buffalo	21813	14.9 MT.	……. kg
Sheep			
Crossbred/ Indigenous	15970	0.167 MT wool	……. kg
Goats	1.23 L	2.91 MT	……. kg
Pigs *Crossbred/ Indigenous*	1884	--	---
Rabbits	--	--	--
Poultry			
Hens	10.9 L	7.2 Lakh eggs	…… eggs/ bird/yr
Turkey and others	--	---	--
Category	**Area**	**Production**	**Productivity**
Fish	--(ha)	…Q/ month	Q/ ha.

Details of Operational area / Villages (2024)

Sl. No.	Tehsil	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Mahasamund	Mahasamund	Paraswani,	Rice-wheat- Groundnut-chickpea-vegetable	Low yield, rice fallow	Diversification of existing production systems for better profitability. Farm mechanization through improved agricultural implements
2	Mahasamund	Mahasamund	Saradih,	Rice, wheat	Low yield,Crop Residue Management	Diversification of existing production systems for better profitability. Farm mechanization through improved agricultural implements
3	Mahasamund	Mahasamund	Barbaspur,	Rice, wheat	Low yield, Crop Residue Management	Diversification of existing production systems for better profitability. Farm mechanization through improved

						agricultural implements
4	**Mahasamund**	**Mahasamund**	**Birkoni,**	**Rice, Wheat**	**Low yield, Crop Residue Management**	**Diversification of existing production systems for better profitability. Farm mechanization through improved agricultural implements**
5	**Mahasamund**	**Mahasamund**	**Achhola**	**Rice, Wheat**	**Low yield, Crop Residue Management**	**Diversification of existing production systems for better profitability. Farm mechanization through improved agricultural implements**

Priority / Thrust areas

S. No.	Particulars
1.	Diversification of existing production systems for better profitability.
2.	Farm mechanization through improved agricultural implements
3.	Introduction of community based quality seed and planting material.
4.	Income augmentation of resource poor farm women through small scale backyard enterprise
5.	Reduction of cost of cultivation of existing major crop enterprises through better management practice
6.	To enhance crop productivity and cropping intensity under rainfed and irrigated conditions.
7.	Improve riverbed cultivation through community based.
8.	Entrepreneurship development of rural youths and woman SHG members
9.	Water management using micro irrigation
10.	Soil Test Based Crop Production System
11.	Integrated Nutrient Management
12.	Mal nutrition among preschool children and adolescent girl
13.	Poor income of farm family
14.	Wastage of vegetable in surplus condition

TECHNICAL PROGRAMME

A. Details of targeted mandatory activities by KVK

OFT		FLD and CFLD	
1		2	
Number of OFTs	Number of Farmers	Number of FLDs	Number of Farmers
9	134	8	61

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
54	1446	349	51892

Seed Production (Qtl.)	Planting material (Nos.)
86.13	675730

B. Abstract of interventions undertaken

S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT	Titl e of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials etc.
1	Natural Farming	Paddy	Low yield potential due to degrading and poor soil fertility status	Assessment of Natural farming Based Nutrient Management in Scented Rice (Var. – CG Devbhog)		-	-	-	-
2	Nutrient Management	wheat	Low yield due to imbalance use of fertilizer	Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- CG 1023 Hansa)		-	-	-	-
3	INM	Black Gram	Low yield due to imbalance use of fertilizer		Demonstration of INM in Black gram	-	-	-	-
4	Nutrient Management	Lathyrus	Low yield due to imbalance use of fertilizer		Demonstration on improved Utera (Relay Cropping) techniqu e in Lathyrus	-	-	-	-
5	Farm mechanization	Paddy	Crop damage due to high intense rainfall and poor infiltration / Drainage	*Assessment on effect of vibratory subsoiler on growth and yield of Black gram*	-	-	-	-	-
6	Farm mechanization	Finfer millet	High seed rate, Low yield, problem in crop management	Assessment of millet planter for sowing of Finger millet (Ragi)	-	-	-	-	-
7	Farm		Burning	-	Paddy	-	-	-	-

	mechanization		of paddy crop residue		Crop Residue Management by Tractor Operated				
8	Farm mechanization		High seed rate, Low yield, problem in crop management	-	Demonstration of seed cum fertilizer drill for sowing of wheat	-	-	-	-

Technologies assessed

A.1 **Abstract on the *number of* technologies assessed in respect of crops**

Thematic areas	**Cereals**	**Oilseeds**	**Pulses**	**Commercial Crops**	**Vegetables**	**Fruits**	**Flower**	**Plantation crops**	**Tuber Crops**	**TOTAL**
Farm mechanization			Black gram							**1**
Farm mechanization	Finger millet									**1**
TOTAL	1		1		1					**2**

Abstract on the number of technologies assessed in respect of livestock/enterprises

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Fisheries**	**TOTAL**
TOTAL								

Detailed Information about OFT:

OFT:1

Name of Discipline Horticulture	
Title of on-farm trial:	Assessment of Colocassia Variety Indira Arbi-2
Year/ Season	**Kharif 2024**
Farming situation:	Rainfed
Problem diagnosis:	Use of Unidentified Variety
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
No. of locations	03
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Unidentified Variety
T2 –Recommended Practice-	Improved Colocassia Variety Indira Arbi-2

T3- Recommended Practice-	
Date of sowing:	20th June 2024
Date of harvesting:	27th Dec 2024
Source of technology:	IGKV,Raipur
Characteristics of technology:	Improved Variety
Name of Crop/Enterprises:	Colocassia
Recommendations for Farmers	The variety is good with fairly good yield potential
Recommendations for Deptt. Personnel	The variety should be spread widely for its wider adoption among the farmers
Feedback	

Result : **(Economic Performance of OFT)**

Details of technology	Parameter Name	Unit of Parameter	Result	Yield (q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	**Yield**	**(q/ha)**		134	62000	120600	58600	1.95
T2(Recommended Practice)	**Yield**	**(q/ha)**		197	70000	177300	107300	2.53
T3(Recommended Practice)								

OFT:2

Name of Discipline	Horticulture
Title of on-farm trial:	Assessment of Chemical Weed Management in Onion
Year/Season:	Rabi 2024
Farming situation:	Irrigated
Problem diagnosis:	Higher weed infestation
Thematic area:	Weed Management
No of trials:	05
No. of farmers involved	05
No. of locations	03
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Hand Weeding
T2 –Recommended Practice-	T1Pendamethalin @ 2 lt. per ha after 0-3 days after transplanting
T3- Recommended Practice-	T2 Oxyflourfen @ 250 ml. /ha after 20 days after transplanting
Date of sowing:	28 November 2024
Date of harvesting:	
Source of technology:	IGKV,Raipur
Characteristics of technology:	Weedicide Application for Management of Weeds
Name of Crop/Enterprises:	Onion
Recommendations for Farmers	Chemical weed management is a better option for managing weed infestation

Recommendations for Deptt. Personnel	The technology of weed management using Oxyflourfen should be spread among the farmers for its wider adoption
Feedback	

Details of technology	Parameter Name	Unit of Parameter	Result	Yield (q/ha)	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)								
T2(Recommended Practice)			Awaited					
T3(Recommended Practice)								

OFT : 3

Name of Discipline	Agronomy
Title of on-farm trial:	Varietal Assessment of rice var. MTU -1153 (Chandra)
Year/Season (Completed Rabi 2023-24, summer 2024 and *Kharif* 2024):	*Kharif* 2024
Farming situation:	Irrigated
Problem diagnosis:	Continuous cultivation of short and long duration old paddy varieties like MTU-1010, Swarna etc., resulted in low yields, pest and disease incidence.
Thematic area:	Varietal assessment
No of trials:	5
No. of farmers involved	5
No. of locations	1
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T_1 – Farmers Practice-	Cultivation of rice variety MTU – 1010
T_2 –Recommended Practice-	Rice var. MTU-1153 : Non lodging, tolerant to BPH and Blast with low grain shattering , Duration :115- 120 days, Yield- 45-50 q/ha
Date of sowing:	2nd week of July
Date of harvesting:	4th week of December
Source of technology:	IGKV, Raipur
Characteristics of technology:	Transplanted rice
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Farmers should adopt the MTU-1153 (Chandra) paddy variety for higher yield, better disease resistance, and increased profits. Follow proper nursery sowing, recommended spacing, and soil test-based fertilizer application for the best results.
Recommendations for Deptt. Personnel	This is a highly promising technology that is easy for farmers to adopt and can significantly improve their productivity and income. To maximize its benefits, agriculture department personnel should actively promote and disseminate this technology to a larger number of farmers through training programs, demonstrations, and subsidy support. Wider adoption of MTU-1153 will ensure higher yields, better disease resistance, and increased profitability, ultimately contributing to the growth of the farming community.
Feedback	With its high yield potential, better adaptability, and increased profits, farmers enthusiastically adopted MTU-1153 as a replacement for older varieties. The success of this variety has boosted farmers' confidence, ensuring higher income and food security in the

	region.

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

Details of technology	Parameter Name	Unit of Parameter	Result	Yield (q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha		41.2	35572	95584	60012	2.68
T2(Recommended Practice)	yield	q/ha		43.8	36381	101616	65235	2.79
T3(Recommended Practice)								

OFT 4:

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Soil Science
Title of on-farm trial:	Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- CG 1023 Hansa)
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	Rabi 2023-24
Farming situation:	Irrigated
Problem diagnosis:	Imbalance use of fertilizer, Dose (64:35:00) NPK kg/ha
Thematic area:	Nutrient Management
No of trials:	5
No. of farmers involved	5
No. of locations	1
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Imbalance use of fertilizer, Dose (64:35:00) NPK kg/ha
T2 –Recommended Practice-	SHC based nutrient management, Improved variety (CG 1023 Hansa)
T3- Recommended Practice-	-
Date of sowing:	1st week of December
Date of harvesting:	1st week of April
Source of technology:	IGKV, Raipur
Characteristics of technology:	Nutrient Management through SHC
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	The technology is very suitable for soil fertility management as well as improvement of yield farmers should adopt the

	technology
Recommendations for Deptt. Personnel	It is very prominent technology for every farmer and easy to adoptable Department personnel should disseminate the technology.
Feedback	Farmers appreciate the technology and willing to adopt it

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

Details of technology	Parameter Name	Unit of Parameter	Result	Yield (q/ha)	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)				24.22	24614	55100	30486	2.23
T2(Recommended Practice)				29.89	26419	67999	41580	2.57
T3(Recommended Practice)								

OFT 5:

Detailed Information about OFT: 2 Soil Science

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Soil Science
Title of on-farm trial:	Assessment of Natural farming Based Nutrient Management in Scented Rice (Var. – CG Devbhog)
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	Kharif 2024
Farming situation:	Irrigated
Problem diagnosis:	Low yield potential due to degrading and poor soil fertility status
Thematic area:	Natural Farming
No of trials:	5
No. of farmers involved	5
No. of locations	1
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Conventional farming Dose (80:58:00) NPK kg/ha
T2 –Recommended Practice-	Seed treatment with Beejamrit + application of Ghanjeevamrit@ 250 kg/ha. + FYM@ 250 kg/ha + foliar spray of Jeevamrit@ 500 ml/ha in 15 days interval after sowing + use of Biopesticides
T3- Recommended Practice-	-
Date of sowing:	2nd week of July
Date of harvesting:	4th week of December

Source of technology:	IGKV, Raipur
Characteristics of technology:	Nutrient management through Natural Farming
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Application of natural inputs like Beejamrit for seed treatment ,Ghanjeevamrit at a sowing time , jeevamrit at irrigation time and also use as foliar application and biopesticide for control the insect and pest. Natural farming aims to drastically cut down production cost by encouraging farmers to prepare essential nutrients and plant protection materials.
Recommendations for Deptt. Personnel	It is very prominent technology for every farmer and easy to adoptable Department personnel should disseminate the technology.
Feedback	farmers are convinced with the natural farming because Minimum cost of cultivation ,insect and pest are less infestation in natural farming practices.

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

Details of technology	Parameter Name	Unit of Parameter	Result	Yield (q/ha)	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha		35.17	31055	81594	50539	2.62
T2(Recommended Practice)	yield	q/ha		32.12	25346	74518	49172	2.94
T3(Recommended Practice)								

OFT 6:

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	**Agri Engineering (OFT-1)**
Title of on-farm trial:	*Assessment on effect of vibratory subsoiler on growth and yield of Black gram*
Year/Season:	2024/Kharif
Farming situation:	Rainfed
Problem diagnosis:	Crop damage due to high intense rainfall and poor infiltration / Drainage
Thematic area:	Farm Mechanization
No of trials:	5
No. of farmers involved	5
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1: Deep tillage by Rotary Subsoiler

T2 –Recommended Practice-	T2: No deep tillage (control)
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	ICAR-IISR, Indore
Characteristics of technology:	Increase infiltration and drainage
Name of Crop/Enterprises:	Black Gram
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha	4.84	14640	33638	18998	2.30
T2(Recommended Practice)	yield	q/ha	5.98	16290	41561	25271	2.55

OFT 7:

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	**Agri Engineering (OFT-2)**
Title of on-farm trial:	Assessment of millet planter for sowing of Finger millet (Ragi)
Year/Season:	Rabi 2024-25
Farming situation:	Rainfed
Problem diagnosis:	High seed rate, Low yield, problem in crop management
Thematic area:	Farm mechanization
No of trials:	4
No. of farmers involved	4
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1- T1: sowing of Ragi with millet planter
T2 –Recommended Practice-	T2: broadcasting (control)
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	

Source of technology:	CRIDA, Hyderabad
Characteristics of technology:	Line sowing, low seed rate
Name of Crop/Enterprises:	Finger millet (Ragi)
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

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

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

.

OFT:8

Information about Extension OFT:

Title	**Assessment of Utilization of ICT based app (Crop doctor) in Plant protection of Groundnut Crop by the Farmers of Mahasamund District.**
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	**2024/Kharif**
Problem identified	**Less use of ICT based tools in agriculture by farmers**
Thematic Area	**ICT**
Farming situation	**All Type**
Name of Technology Intervention under study	**Crop Doctor App**
Farmers Practice	**Use of other app/internet for solving agricultural related problem**
No. of replication (Farmers)	**50**

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)**
Utilization pattern of Crop doctor app	Percentage	Regular-46% Occasional-44 Never-0%	Regular-78%, Occasional-22% Never-0%	-
Relevancy	Percentage	More relevant-34% Relavent-66 Not Relevent-0%	More relevant-32% Relavent-68% Not Relevent-0%,	
Accuracy	Percentage	More Accurate-36 Accurate-64 Not Accurate-0%	More Accurate-58% Accurate-42% Not Accurate-0%	
Timeliness	Percentage	Yes-80% No-20%	Yes-85% No-15%	

OFT:9

Information about Extension OFT:2

Title	Assessment of performance of Self Help Groups on Socio- Economic, Knowledge and Technology level on Members of SHGs in Mahasamund District of Chhattisgarh
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	2024/Rabi
Problem identified	Farmers are not jointly organized with SHGs for production ,processing ,value addition and marketing of agricultural produce or for other allied activities.
Thematic Area	Assessment
Farming situation	All Type
Name of Technology Intervention under study	SHGs
Farmers Practice	-
No. of replication (Farmers)	50

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)
Study of Socio-economic Profile	Percentage	-	**Age** • Young (<35years)- 15.0% • Middle (36-55 years)-67.0% • Old (>55 years)-18.0% **Education**	-

			• Functionally literate-2.0% • Primary-16.0% • Middle-18.0% • Higher Secondary-26.0% • Graduate & above-38.0% **Annual Income** • Rs.100000-250000-6.0% • Rs.250000-500000-68.0% • Rs. 500000-750000-20.0% • More than Rs.750000-6.0%	
Level of knowledge	Percentage	-	• Low level (upto 33.33%)-18.0% • Medium level (upto 33.34-66.66%)- 56.0.0% • High level(more than 66.66%)-26.0.0%	
Technology level	Percentage	-	• Low level (upto 33.33%)-28.0% • Medium level (upto 33.34-66.66%)- 52.0.0% • High level(more than 66.66%)-20.0.0%	
problem faced	Percentage	-	• Lack of Financial Support • Lack of administrative support • Poor infrastructure • Difficult in mobality	

Information about Home Science OFT on Nutrition garden:

1. **General Information:**

Title of on-farm trial:	
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	
Problem diagnosis:	
Thematic area:	
No of trials:	

No. of farmers/farm women involved	
No. of locations	
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice (Backyard/kitchen/terrace/community/school garden)	
Source of technology:	
Characteristics of technology:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2. Production and consumption details of farm family

Details of trial	Area of nutrition garden (Sqm)	No. of beneficiaries (Size of farm family)	Name of crops	Production (kg)		Consumption (kg)	
				T1	T2	T1	T2
1							
2							
3							
4							
5							

Details of trial		3. Details of farm women																						
	Nutrient Intake by farm women																Anthropometric measurements of farm women								
	Average Energy (kcal)			Average Protein (gm)			Iron (mg)			Calcium (mg)			Vitamin C (mg)			Wt. (kg)			Ht.(cm)			BMI		
	T 1	T2	T 3	T 1	T 2	T 3	T 1	T 2	T 3	T 1	T 2	T 3	T 1	T 2	T 3	T 1	T2	T 3	T 1	T 2	T 3	T 1	T 2	T 3
1																								
2																								
3																								
4																								
5																								

Information about Home Science OFT on Bio-fortified varieties:

1. General Information:

Title of on-farm trial:	
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	
Problem diagnosis:	
Thematic area:	
No of trials:	

No. of farmers/farm women involved	
No. of locations	
Type of OFT (Assessment/ Refinement):	
Category of crop (cereal/pulses/oilseeds/fruits &vegetables/others)	
Name of crops	
Details of technology selected for assessment:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
T3- Refined Practice	
Source of technology:	
Characteristics of technology:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of trial	**Area of (ha)**	**No. of beneficiaries (Size of farm family)**	**Yield (q/ha)**			**Consumption of farm family per day (kg)**		
			T1	**T2**	**T3**	**T1**	**T2**	**T3**
1								
2								
3								
4								
5								

Details of trial	**3. Details of farm women**															
	Nutrient Intake by farm women										**Anthropometric measurements of farm women**					
	Average Energy (kcal)		**Average Protein (gm)**		**Iron (mg)**		**Calcium (mg)**		**Vitamin C (mg)**		**Wt. (kg)**		**Ht.(cm)**		**BMI**	
	T1	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**
1																
2																
3																
4																
5																

Information about Home Science OFT on food fortification:

1. General Information:

Title of on-farm trial:	
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	
Problem diagnosis:	
Thematic area:	
No of trials:	

No. of farmers/farm women involved	
No. of locations	
Type of OFT (Assessment/ Refinement):	
Name of crop/vegetables/fruits/others	
Details of technology selected for assessment	
Details of fortified product:	
T1 – Farmers Practice-	
T2 –Recommended Practice-	
T3- Refined Practice	
Source of technology:	
Characteristics of technology:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of trial	**Accepatibilty score of the Product on 9 point hedonic scale**	**Consumption (gm/day/person)**		
		T1	**T2**	**T3**
1				
2				
3				
4				
5				

Details of trial	**3. Details of food fortification for the beneficiaries**																							
	Details of food fortification for the beneficiaries															**measurements of beneficiaries**								
	Average Energy (kcal)			**Average Protein (gm)**			**Iron (mg)**			**Calcium (mg)**			**Vitamin C (mg)**			**Wt. (kg)**			**Ht.(cm)**			**hemoglobin**		
	T 1	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**	**T 1**	**T 2**	**T 3**
1																								
2																								
3																								
4																								
5																								

Information about Home Science OFT on Value addition:

1. General Information:

Title of on-farm trial:	
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	
Problem diagnosis:	
Thematic area:	

No of trials:	
No. of farmers/farm women involved	
No. of locations	
Type of OFT (Assessment/ Refinement):	
Name of crop/vegetables/fruits/others	
Details of technology selected for assessment	
Name of value added product only one in a time	
Source of technology:	
Characteristics of technology:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

2. Detail information							
Details of trial	**Manual/Automized**	**Cost of product (kg/unit basis)**	**Amount Produced kg/Unit**	**Market price of product (Kg/unit)**	**Gross Return (Rs/Per Unit**	**Net Return (Rs/Per Unit**	**B:C ratio**
1							
2							
3							
4							
5							

Information about Home Science OFT on Drudgery reduction:

1. General Information:

Title of on-farm trial:	
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers/farm women involved	
No. of locations	
Type of OFT (Assessment/ Refinement):	
Name of crop/vegetables/fruits/others	
Details of technology selected for assessment	
Characteristics of technology/variety/enterprize/product	

Farming/enterprise situation	
Source of technology:	
Characteristics of technology:	
Farming situation:	
Date of sowing:	
Date of harvesting:	
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Details of trial	Economic Performance Indicator / Parameter-Drudergy Reduction															
	Output * (Kindly use Unit as per the machine/implement/equipment used for drudgery reduction)		Est. Energy Expenditure KJ/min.		Working Heart rate (WHR) beats/min		Resting heart rate (beats/min) (%)		Change in heart rate (beats/min)		Cardiac Cost of Work		Drudgery reduction (%)		Efficiency enhancement	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
1																
2																
3																
4																
5																

Information about Home Science OFT on Income generation:

1. General Information:

Title of on-farm trial:	
Year/Season (Completed Rabi 2023-24, summer 2024 and Kharif 2024):	
Problem diagnosis:	
Thematic area:	
No of trials:	
No. of farmers/farm women involved	
No. of locations	
Type of OFT (Assessment/ Refinement):	
Name of crop/vegetables/fruits/others	
Details of technology selected for assessment	
Characteristics of technology/variety/enterprize/product	
Farming/enterprise situation	
Source of technology:	
Characteristics of technology:	
Farming situation:	
Date of sowing:	
Date of harvesting:	

Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Economic Performance Indicator / Parameter-Income Generation											
Parameter of enterprise		**Production per unit (qt/no/lit)**		**Cost of input (Rs/unit**		**Gross Return (Rs/unit)**		**Net Return (Rs/unit)**		**Benefit-Cost Ratio (Gross Return / Gross Cost)**	
T1	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**	**T1**	**T2**

Frontline Demonstrations

Details of FLDs organized (Based on soil test analysis)

KVK Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed	Crop-Area (ha)	No. of farmers			
											SC	ST	Others	General
Mahasamund	Kharif	Horticulture	Varietal Evaluation	Improved Cowpea Variety "Kashi Kanchan"	Cowpea	Cowpea	Kashi Kanchan	rainfed	Completed	0.4	01	01	03	0
Mahasamund	Rabi	Horticulture	Integrated Crop Management	Fruit bagging in Guava	Guava	Guava	Thai	irrigated	Completed	0.4	0	0	05	0
Mahasamund	Rabi-2023-24	Soil Science	Nutrient management	Demonstration on improved Utera technique in Lathyrus	Pulse	Lathyrus	Mahatiwda	Irrigated	Completed	4.8	2	5	5	
Mahasamund	Kharif 2024	Soil Science	INM	Demonstration of INM in Black gram	Pulse	Black gram	Indira Urd Pratham	Rainfed	Completed	4.8	3	5	4	
Mahasamund	Kharif 2024	Agronomy	Weed management	Demonstration of chemical weed management in Black gram	Pulse	Black gram	Indira Urd Pratham	Rainfed	Completed	4.8	4	6	2	
Mahasamund	Rabi	Plant Pathology	Mushroom Production	Paddy Straw Mushroom	Paddy Straw Mushroom production for additional income generation of farmers	Paddy Straw Mushroom	Paddy Straw Mushroom	All type	Completed	5 units		1	4	

Economic Impact of Crop FLD

KVK Name	Technology for demonstration	Name of Crop/ Enterprise	Name of Parameter	Name of Unit	Result		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Mahasamund	Improved Cowpea Variety "Kashi Kanchan"	Cowpea	Yield	q/ha.	132	179	110000	122000	198000	268500	88000	146500	1.8	2.2
Mahasamund	Fruit bagging in Guava	Guava	Yield	q/ha.	389	576	810000	1010000	1556000	2304000	746000	1294000	1.92	2.28
Mahasamund	1.Improved variety (Prateek/ Mahatiwda) 2. Seed treatment with Rhizobium, PSB & Trichoderma @5 g/kg seed each 3. Foliar application of NPK 19:19:19 at 30 DAS 4. Use of systemic insecticide	Lathyrus	yield & B:C ratio	(q/h)	3.24	5.12	10110	13410	17172	27136	7062	13726	1.70	2.02
Mahasamund	1. Improved variety (Indira urd pratham) 2. Application of 75% (N:P:K-20:40:20 kg/ha.) with Rhizobium + PSB + KSB @5g/kg of seed & FYM 5 ton/ha.	Black gram	yield & B:C ratio	(q/h)	4.45	6.08	14712	16734	33597	45094	18885	28360	2.28	2.69

Mahasamund	1. Improved variety (Indira urd pratham) 2. Application of Quizalofop ethyl 5 % EC @ 16-20 g ai/ha at 15-20 DAS (2-3 leaf stage of weed)	Black gram	yield & B:C ratio	(q/h)	4.53	6.17	15120	17500	34201	46583	19081	29083	2.26	2.66
KVK Mahasamund	Paddy Straw Mushroom production for additional income generation of farmers	Paddy Straw Mushroom	Yield, Additional income, % increased in income & B:C Ratio	5	-	65kg.	-	5250	-	27,625	-	22375	-	5.26

Details of FLD on Enterprises

Farm Implements

Details of FLDs on Agriculture Engineering implemented during Jan-2024 to Dec-2024 (Completed FLDs only)

KVK Name	Season	Thematic area	Technology for demonstration	Crop/ Enterprise Category	Name of Crop/ Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	No. of farmers			
										SC	ST	Others	General
Mahasamund	Kharif /	Farm mechanization	Tractor Operated Baler	Paddy crop residue	-	Tractor Operated Baler	rainfed/irrigated /semi-irrigated	Completed	5	0	0	5	0
Mahasamund	Rabi	Farm mechanization	Seed cum fertilizer drill	Cereals	Wheat	Seed cum fertilizer drill	Irrigated	Ongoing	5	0	0	5	0

Economic Impact of Agriculture Engineering FLD

KVK Name	Technology for demonstration	Name of Crop/ Enterprise	Name of Performance parameters / indicators	Name of Unit	* Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Mahasamund	Tractor Operated Baler	**Paddy crop residue**	Field capacity	Ha/hr	0.04	0.36	-	-	-	-	-	-	-	-
			cost of operation	Rs./ha	3750	3750								
Mahasamund	Seed cum fertilizer drill	Wheat	Field capacity	Ha/hr			Ongoing							
			yield,	Q/ha										

**Field efficiency, labour saving etc.*

Livestock Enterprises

Details of FLDs on Animal Science implemented during Jan-2024 to Dec-2024

KVK Name	Thematic area	Technology for demonstration	Category Of Enterprise	Name of Animal	Only Completed (Rabi 2023-24, Summer and Kharif 2024)	No. of unit (animals, poultry birds etc.)	No. of beneficiaries			
							SC	ST	Others	Gen

Economic Impact of Animal Science FLD

KVK Name	Technology for demonstration	Name of Enterprise	Performance parameters / indicators		*Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
			Name of Parameter	Name of unit	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

**Milk production, meat production, egg production, reduction in disease incidence etc.*

Details of FLDs on Fishery implemented during Jan-2024 to Dec-2024

KVK Name	Thematic area	Technology for demonstration	Name of Enterprise	Only Completed (Rabi 2023-24, Summer and Kharif 2024)	Area (ha) / Entrep - No.	No. of beneficiaries			
						SC	ST	Others	General

Economic Impact of Fishery FLD

KVK Name	Technology for demonstration	Name of Enterprise	Performance parameters / indicators		Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
			Name of Parameter	Name of unit	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)

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

A. Nutrition Garden

I.) General Information

State	District	KVK	Name of Nutri-SMART Village	Number of demonstrations	Details of demonstration	Existing practice	Recommended practice (Backyard/ Kitchen garden/Community Nutrition garden/Terrace garden/Vertical garden)
Chhattisgarh	Mahasamund	Mahasamund	Paraswani,Loharidih,Bhaleshar	5	Line Sowing of vegetables,Improved variety of vegetables,fruit plants	Normal Badi	Nutritional Garden

II.) Production and consumption details of farm family

Details of demonstration	Area for Nutrition garden (Sqm)	No. of beneficiaries (Size of farm family)	Name of crops	Production (Kg) Existing Practice	Consumption (kg) Existing Practice	Production (Kg) Recommended practice	Consumption (kg) Recommended practice
1	2500	5	Onion,tomato,brinjal,coriander,red amaranthus,spinach,cow pea,cabbage,cauliflower etc.	180	220	430	400

III.) Details of farm women

Details of demonstration	Nutrient Intake by farm women					Anthropometric Measurements of farm women		
	Average Energy (Kcal)	Average Protein (g)	Iron (mg)	Vitamin C (mg)	Calcium (mg)	Weight (Kg)	Height (cm)	Body Mass Index (BMI)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

B. BIO FORTIFIED VARIETIES

I.) **General Information**

State	District	KVK	Name of Nutri-Smart Village	Category of crop (cereal/pulses/oilseed/ fruits & vegetables/others	Name of Crop	Name of variety (FP)	Name of bio fortified variety (RP)	Number of demonstration

II.) Production and consumption details of farm family

Details of Trial	Area (ha)	No of Beneficiaries (Size of farm family)	Yield (q/ha)		Consumption of farm family per day (Kg)	
			FP	RP	FP	RP
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

III. Details of Farm women

Details of demonstration	Consumption per capita per day (g)		Nutrient intake per day								Per cent change in Body Mass Index (BMI)
			Energy (Kcal)		Protein (g)		Iron (mg)		Calcium (mg)		
	FP	RP	FP	RP	FP	RP	FP	RP	FP	RP	RP
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

C. Food fortification

I. General Information

ATARI	State	District	KVK	Name of Nutri-SMART Village	Name of Crop/vegetables/fruits/other	Farmer practice	Recommended practice	Name of fortified product	Number of demonstrations

II. Details of fortification for the beneficiaries

Details of demonstration	Accepatibility score of the Product on 9 point hedonic scale	Farmer Practice								Recommended practice							
		Consumption (gm/day/person)	Energy (kcal)	Protein (g)	Iron (mg)	Calcium (mg)	Weight (Kg)	Height (cm)	Hemoglobin (g)	Consumption (gm/day/person)	Energy (kcal)	Protein (g)	Iron (mg)	Calcium (mg)	Weight (Kg)	Height (cm)	Hemoglobin (g)
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

D. VALUE ADDITION FOR INCOME GENERATION

State	District	KVK	Name of Nutri-SMART Village	Name of Crop/vegetables/fruits/other	Name of Value added product only one in a time	Number of demonstrations	Details of demonstration	Manual/ Automized	Cost of product (kg/unit basis)	Amount Produced kg/Unit	Market price of product (Kg/unit)	Gross Return (Rs/Per Unit	Net Return (Rs/Per Unit	B:C ratio
							1							
							2							
							3							
							4							
							5							
							6							
							7							
							8							
							9							
							10							

E. Drudgery Reduction

I. General Information

State	District	KVK	Name of Village	Farmer Practice	Recommended Practice	Number of demonstrations

II. Details of demonstration

Details of demonstration	Output (unit)	Energy expenditure (KJ/Min)Existing Practice	Working heart rate (beats/min)	Resting heart rate (beats/min)	Change in heart rate (beats/min)	Cardiac cost of work (CCW)	Drugery Reduction(%)	Efficiency Enhancement (%)

	FP	RP	FP	RP	FP	RP	FP	RP	FP	RP	FP	RP	FP	FP
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														

Cluster Demonstration of Oilseed and Pulses under NFSM (2024)

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	*Season and year*	Area (ha)	No. of farmers/ demonstration	Parameters identified
1	Groundnut	Crop Production	HYV, Seed treatment, IPM	Seed, Biofertilizer, Herbicide	Kharif 2024	40	100	Yield, Income, B:C Ratio
2	Sesame	Crop production	Line Sowing,Improved variety,weedicide application,seed treatment	Improved seed(GT-6),Weedicide,Culture for seed treatment	Kharif(2024)	30	40	Yield,B:C Ratio

Extension and Training activities under CFLDs Oilseed and Pulses

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	01	September	106
2	Farmers Training	06	May- September	163
3	Media coverage	03	June, July, September	Mass
4	Training for extension functionaries	02	June, August	32

Training (Including the sponsored and FLD training programmes):

A) <u>ON Campus</u>

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Crop Production	Weed Management											
	Crop Production	Resource Conservation Technologies											
	Crop Production	Cropping Systems											
	Crop Production	Crop Diversification											
	Crop Production	Integrated Farming											
	Crop Production	Micro irrigation/irrigation											
	Crop Production	Seed production											
	Crop Production	Nursery management											
	Crop Production	Integrated Crop Management											
	Crop Production	Soil & water conservation											
	Crop Production	Integrated nutrient Management											
	Crop Production	Production of organic inputs											
	Crop Production	Others(Pl. Specify)											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Horticulture (Vegetable Crops)	Production of low volume and high value crops											
	Horticulture (Vegetable Crops)	Off season vegetables											
	Horticulture (Vegetable Crops)	Nursery raising											
	Horticulture (Vegetable Crops)	Exotic vegetables											
	Horticulture (Vegetable Crops)	Export potential vegetables											
	Horticulture (Vegetable Crops)	Grading and standardization											
	Horticulture (Vegetable Crops)	Protective cultivation											
	Horticulture (Vegetable Crops)	Others(Pl. Specify)											
	Horticulture (Fruits)	Training and Pruning											
	Horticulture (Fruits)	Layout and Management of Orchards											
	Horticulture (Fruits)	Cultivation of Fruit											
	Horticulture (Fruits)	Management of young plants/orchards											
	Horticulture (Fruits)	Rejuvenation of old orchards											
	Horticulture (Fruits)	Export potential fruits											
	Horticulture (Fruits)	Micro irrigation systems of orchards											
	Horticulture (Fruits)	Plant propagation techniques											
	Horticulture (Fruits)	Others (Pl. Specify)											
	Horticulture (Ornamental Plants)	Nursery Management											
	Horticulture (Ornamental Plants)	Management of potted plants											
	Horticulture (Ornamental Plants)	Export potential of ornamental plants											
	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
	Horticulture (Ornamental Plants)	Others (Pl. Specify)											
	Horticulture(Plantation crops)	Production and Management technology											
	Horticulture(Plantation crops)	Processing and value addition											
	Horticulture(Plantation crops)	Others (Pl. Specify)											
	Horticulture(Tuber crops)	Production and Management technology											
	Horticulture(Tuber crops)	Processing and value addition											
	Horticulture(Tuber crops)	Others (Pl. Specify)											
	Horticulture(Spices)	Production and Management technology											
	Horticulture(Spices)	Processing and value addition											
	Horticulture(Spices)	Others (Pl. Specify)											
	Horticulture(Medicinal and Aromatic Plants)	Nursery management											
	Horticulture(Medicinal and Aromatic Plants)	Production and management technology											
	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
	Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
	Soil Health and Fertility Management	Soil fertility management	Importance and use of soil health card	1	1	3	1	4	3	7	3	6	2
	Soil Health and Fertility Management	Integrated water management											
	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in Rabi and	1	1	2	2	10	2	7	3	8	2

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			Kharif crops										
	Soil Health and Fertility Management	Production and use of organic inputs	Vermicompo sting technique , Various technique of organic farming	1	1	5	2	9	2	8	5	8	3
	Soil Health and Fertility Management	Management of Problematic soils											
	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency Symptoms and their management of micro nutrient	1	1	5	2	9	1	7	3	9	5
	Soil Health and Fertility Management	Nutrient Use Efficiency	Biofertilizer application technology	1	1	5	2	10	9	14	6	6	4
	Soil Health and Fertility Management	Balance Use of fertilizer	Importance and advances of balance fertilization	1	1	3		11	7	9	5	12	3
	Soil Health and Fertility Management	Soil & water testing											
	Soil Health and Fertility Management	Organic Farming	Organic farming technique	1	2	4	11	16	13	2	9	6	4
	Soil Health and Fertility Management	Others (Pl. Specify)											
	Livestock Production and Management	Dairy Management											
	Livestock Production and Management	Poultry Management											
	Livestock Production and Management	Piggery Management											
	Livestock Production and Management	Rabbit Management											
	Livestock Production and	Animal Nutrition Management											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Management												
	Livestock Production and Management	Disease Management											
	Livestock Production and Management	Feed & fodder technologies											
	Livestock Production and Management	Production of quality animal products											
	Livestock Production and Management	Others (Pl. Specify)											
	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
	Home Science/Women empowerment	Design and development of low/minimum cost diet											
	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet											
	Home Science/Women empowerment	Minimization of nutrient loss in processing											
	Home Science/Women empowerment	Processing & cooking											
	Home Science/Women empowerment	Gender mainstreaming through SHGs											
	Home Science/Women empowerment	Storage loss minimization techniques											
	Home Science/Women empowerment	Value addition											
	Home Science/Women empowerment	Women empowerment											
	Home Science/Women empowerment	Location specific drudgery reduction technologies											
	Home Science/Women empowerment	Rural Crafts											
	Home Science/Women empowerment	Women and child care											
	Home Science/Women empowerment	Others (Pl. Specify)											
	Agril. Engineering	Farm machinery & its maintenance	Importance, operation and maintenance of farm machinery	2	2	2	0	3	2	2	2	32	4
	Agril. Engineering	Installation and maintenance of micro irrigation systems	Micro irrigation system and management	2	2	2	0	2	1	2	2	36	3
	Agril. Engineering	Use of Plastics in farming practices											
	Agril. Engineering	Production of small tools and implements											
	Agril. Engineering	Repair and maintenance of farm machinery and implements											
	Agril. Engineering	Small scale processing and value addition											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Agril. Engineering	Post Harvest Technology											
	Agril. Engineering	Others (Pl. Specify)	Rain water harvesting and conservation	1	1	1	1	2	0	1	2	17	0
	Plant Protection	Integrated Pest Management											
	Plant Protection	Integrated Disease Management											
	Plant Protection	Bio0control of pests and diseases											
	Plant Protection	Production of bio control agents and bio pesticides											
	Plant Protection	Others (Pl. Specify)											
	Fisheries	Integrated fish farming											
	Fisheries	Carp breeding and hatchery management											
	Fisheries	Carp fry and fingerling rearing											
	Fisheries	Composite fish culture											
	Fisheries	Hatchery management and culture of freshwater prawn											
	Fisheries	Breeding and culture of ornamental fishes											
	Fisheries	Portable plastic carp hatchery											
	Fisheries	Pen culture of fish and prawn											
	Fisheries	Shrimp farming											
	Fisheries	Edible oyster farming											
	Fisheries	Pearl culture											
	Fisheries	Fish processing and value addition											
	Fisheries	Others (Pl. Specify)											
	Production of Input at site	Seed Production											
	Production of Input at site	Planting material production											
	Production of Input at site	Bio0agents production											
	Production of Input at site	Bio0pesticides production											
	Production of Input at site	Bio0fertilizer production											
	Production of Input at site	Vermi0compost production											
	Production of Input at site	Organic manures production											
	Production of Input at site	Production of fry and fingerlings											
	Production of Input at site	Production of Bee0colonies and wax sheets											
	Production of Input at site	Small tools and implements											
	Production of Input at site	Production of livestock feed and fodder											
	Production of Input at site	Production of Fish feed											
	Production of Input at site	Mushroom production											
	Production of Input at site	Apiculture											
	Production of Input at site	Others (Pl. Specify)											
	Capacity Building and Group Dynamics	Leadership development											
	Capacity Building and Group Dynamics	Group dynamics											
	Capacity Building and Group Dynamics	Formation and Management of SHGs											
	Capacity Building and Group Dynamics	Mobilization of social capital											
	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths											
	Capacity Building and Group Dynamics	WTO and IPR issues											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Capacity Building and Group Dynamics	Others (Pl. Specify)											
	Agro forestry	Production technologies											
	Agro forestry	Nursery management											
	Agro forestry	Integrated Farming Systems											
	Agro forestry	Others (Pl. Specify)											

B) OFF Campus

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Crop Production	Weed Management											
	Crop Production	Resource Conservation Technologies											
	Crop Production	Cropping Systems											
	Crop Production	Crop Diversification											
	Crop Production	Integrated Farming											
	Crop Production	Micro irrigation/irrigation											
	Crop Production	Seed production											
	Crop Production	Nursery management											
	Crop Production	Integrated Crop Management											
	Crop Production	Soil & water conservation											
	Crop Production	Integrated nutrient Management											
	Crop Production	Production of organic inputs											
	Crop Production	Others(Pl. Specify)	Production technology of Sesame & Mustard crop	4	1			3		18	12	58	12
	Horticulture (Vegetable Crops)	Production of low volume and high value crops											
	Horticulture (Vegetable Crops)	Off season vegetables											
	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising of Tomato	01	01	01	00	08	00	09	07	12	10
	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising of Chilli	01	01	00	00	4	04	10	04	11	11
	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising of vegetable in Pro trays	01	01	00	00	17	06	09	06	16	07
	Horticulture (Vegetable Crops)	Nursery raising	Nursery raising of vegetable in Polybags	01	01	00	00	11	11	00	01	8	09
	Horticulture (Vegetable Crops)	Exotic vegetables											
	Horticulture (Vegetable Crops)	Export potential vegetables											
	Horticulture (Vegetable Crops)	Grading and standardization											
	Horticulture (Vegetable Crops)	Protective cultivation											
	Horticulture (Vegetable Crops)	Others(Pl. Specify)											
	Horticulture (Fruits)	Training and Pruning	Training and	01	01	00	06	07	14	08	6	11	09

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			Pruning in Fruit Crops										
	Horticulture (Fruits)	Layout and Management of Orchards	Layout and Management of Orchards	01	01	00	07	03	10	10	7	10	09
	Horticulture (Fruits)	Cultivation of Fruit	HDP in Guava	01	01	00	00	00	04	00	06	19	07
	Horticulture (Fruits)	Management of young plants/orchards	Orchard Management and Maintainenance	01	01	01	04	03	11	02	7	0	19
	Horticulture (Fruits)	Rejuvenation of old orchards											
	Horticulture (Fruits)	Export potential fruits											
	Horticulture (Fruits)	Micro irrigation systems of orchards											
	Horticulture (Fruits)	Plant propagation techniques	Plant propagation technique in Fruit Crops	01	01	01	03	8	10	09	7	8	14
	Horticulture (Fruits)	Others (Pl. Specify)											
	Horticulture (Ornamental Plants)	Nursery Management											
	Horticulture (Ornamental Plants)	Management of potted plants											
	Horticulture (Ornamental Plants)	Export potential of ornamental plants											
	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
	Horticulture (Ornamental Plants)	Others (Pl. Specify)											
	Horticulture(Plantation crops)	Production and Management technology											
	Horticulture(Plantation crops)	Processing and value addition											
	Horticulture(Plantation crops)	Others (Pl. Specify)											
	Horticulture(Tuber crops)	Production and Management technology	Improved Production technology of Colocassia	01	01	00	00	09	13	06	5	11	10
	Horticulture(Tuber crops)	Processing and value addition											
	Horticulture(Tuber crops)	Others (Pl. Specify)											
	Horticulture(Spices)	Production and Management technology	Improved Production technology of Ginger	01	01	00	00	04	08	08	6	08	11
			Improved Production technology of turmeric	01	01	00	00	06	15	00	6	02	07
			Improved Production	01	01	01	00	04	12	06	2	06	08

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			technology of Fenugreek										
			Improved Production technology of Coriander	01	01	00	00	03	00	11	12	09	16
	Horticulture(Spices)	Processing and value addition											
	Horticulture(Spices)	Others (Pl. Specify)											
	Horticulture(Medicinal and Aromatic Plants)	Nursery management											
	Horticulture(Medicinal and Aromatic Plants)	Production and management technology	Improved Production technology of Lemon Grass	01	01	00	00	01	00	17	9	00	04
		Production and management technology	Improved Production technology of Palm Rosa	01	01	00	00	05	15	00	6	00	06
		Production and management technology	Improved Production technology of Patchouli	01	01	00	00	02	04	00	09	00	09
		Production and management technology	Improved Production technology of Basil	01	01	00	00	01	15	00	09	00	08
	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
	Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
	Soil Health and Fertility Management	Soil fertility management											
	Soil Health and Fertility Management	Integrated water management											
	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in Rabi and Kharif crops	2	2	3		14	5	15	6	17	7
	Soil Health and Fertility Management	Production and use of organic inputs	Vermi composting technique , Various techni	2	2	5		11		15	9	24	5

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			que of organic farming										
	Soil Health and Fertility Management	Management of Problematic soils	Reclamation of Problematic soil	1	1	8	1	8	7	16	7	9	5
	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency Symptoms and their management of micro nutrient	2	2	9		13	6	11	5	18	7
	Soil Health and Fertility Management	Nutrient Use Efficiency	Biofertilizer application technology	3	2	14		17	4	28	41	6	9
	Soil Health and Fertility Management	Balance Use of fertilizer	Importance and advances of balance fertilization	2	2	15		12	7	19	8	19	8
	Soil Health and Fertility Management	Soil & water testing											
	Soil Health and Fertility Management	Organic Farming	Organic farming technique	1	4		11	9	12		11	7	8
	Soil Health and Fertility Management	Others (Pl. Specify)											
	Livestock Production and Management	Dairy Management											
	Livestock Production and Management	Poultry Management											
	Livestock Production and Management	Piggery Management											
	Livestock Production and Management	Rabbit Management											
	Livestock Production and Management	Animal Nutrition Management											
	Livestock Production and	Disease Management											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Management												
	Livestock Production and Management	Feed & fodder technologies											
	Livestock Production and Management	Production of quality animal products											
	Livestock Production and Management	Others (Pl. Specify)											
	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening	Nutritional garden for food & nutritional security	4	1				17		2		29
	Home Science/Women empowerment	Design and development of low/minimum cost diet											
	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet											
	Home Science/Women empowerment	Minimization of nutrient loss in processing											
	Home Science/Women empowerment	Processing & cooking											
	Home Science/Women empowerment	Gender mainstreaming through SHGs											
	Home Science/Women empowerment	Storage loss minimization techniques											
	Home Science/Women empowerment	Value addition	Value addition of vegetable and fruit crops	1	1				3		7		13
	Home Science/Women empowerment	Women empowerment											
	Home Science/Women empowerment	Location specific drudgery reduction technologies											
	Home Science/Women empowerment	Rural Crafts											
	Home Science/Women empowerment	Women and child care											
	Home Science/Women empowerment	Others (Pl. Specify)	Musroom production technology	2	9		1			3		2	57
	Agril. Engineering	Farm machinery & its maintenance	crop residue management by baler	1	1	2	0	2	0	1	0	17	0
	Agril. Engineering	Installation and maintenance of micro irrigation systems	Micro irrigation system and management	1	1	0	0	0	0	0	0	22	0
	Agril. Engineering	Use of Plastics in farming practices											
	Agril. Engineering	Production of small tools and implements											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
	Agril. Engineering	Repair and maintenance of farm machinery and implements											
	Agril. Engineering	Small scale processing and value addition	Post-harvest management and processing of millets	1	1	0	0	20	3	0	0	0	0
	Agril. Engineering	Post Harvest Technology											
	Agril. Engineering	Others (Pl. Specify)	Agricultural Drone Technology	4	4	3	0	5	1	3	2	82	3
	Plant Protection	Integrated Pest Management											
	Plant Protection	Integrated Disease Management											
	Plant Protection	Bio0control of pests and diseases											
	Plant Protection	Production of bio control agents and bio pesticides											
	Plant Protection	Others (Pl. Specify)											
	Fisheries	Integrated fish farming											
	Fisheries	Carp breeding and hatchery management											
	Fisheries	Carp fry and fingerling rearing											
	Fisheries	Composite fish culture											
	Fisheries	Hatchery management and culture of freshwater prawn											
	Fisheries	Breeding and culture of ornamental fishes											
	Fisheries	Portable plastic carp hatchery											
	Fisheries	Pen culture of fish and prawn											
	Fisheries	Shrimp farming											
	Fisheries	Edible oyster farming											
	Fisheries	Pearl culture											
	Fisheries	Fish processing and value addition											
	Fisheries	Others (Pl. Specify)											
	Production of Input at site	Seed Production											
	Production of Input at site	Planting material production											
	Production of Input at site	Bio0agents production											
	Production of Input at site	Bio0pesticides production											
	Production of Input at site	Bio0fertilizer production											
	Production of Input at site	Vermi0compost production											
	Production of Input at site	Organic manures production											
	Production of Input at site	Production of fry and fingerlings											
	Production of Input at site	Production of Bee0colonies and wax sheets											
	Production of Input at site	Small tools and implements											
	Production of Input at site	Production of livestock feed and fodder											
	Production of Input at site	Production of Fish feed											
	Production of Input at site	Mushroom production											
	Production of Input at site	Apiculture											
	Production of Input at site	Others (Pl. Specify)											
	Capacity Building and Group Dynamics	Leadership development	Leadership developm	1	1				3		8		16

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
			ent among farm women										
	Capacity Building and Group Dynamics	Group dynamics											
	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and Management of SHGs	2	1		2		7		9		19
	Capacity Building and Group Dynamics	Mobilization of social capital											
	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneurial development of farm women	1	2								
	Capacity Building and Group Dynamics	WTO and IPR issues											
	Capacity Building and Group Dynamics	Others (Pl. Specify)											
	Agro forestry	Production technologies											
	Agro forestry	Nursery management											
	Agro forestry	Integrated Farming Systems											
	Agro forestry	Others (Pl. Specify)											

Details of Training Programmes conducted by the KVKs for Rural Youth

A. ON Campus

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
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											
Others(Pl. Specify)	Orchard Management & Maintainenance	06	06	0	0	0	04	0	06	0	16

B. OFF Campus

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
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											

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
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											
Others(Pl. Specify)	Musroom production technology under STRY	1	6	0	0	2	3	3	7	4	9

Details of Training Programmes conducted by the KVKs for Extension Personnel

A. ON Campus

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
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Others(Pl. Specify)											

B. OFF Campus

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
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											

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
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Others(Pl. Specify)											

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

Thematic Area	Sub Theme	Training title	No of Courses	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					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(Pl. Specify)**											
Post harvest technology and value addition	Value addition											
Post harvest technology and value addition	**Others(Pl. 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(Pl. Specify)**											
Income generation activities	Vermi-composting											
Income generation activities	Production of bio-agents, 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 activities	Mushroom cultivation											
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(Pl. Specify)**											
Agricultural Extension	Capacity building and group dynamics											
Agricultural Extension	**Others(Pl. Specify)**											

Table 5.5. Sponsored Training Programmes

Client (F &FW/FW/ RY/ IS)	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		
	Crop production and management	Increasing production and productivity of crops													
	Crop production and management	Commercial production of vegetables													
	Crop production and management	Production and value addition													
	Crop production and management	Fruit Plants													
	Crop production and management	Ornamental plants													
	Crop production and management	Spices crops													
	Crop production and management	Soil health and fertility management													
	Crop production and management	Production of Inputs at site													
	Crop production and management	Methods of protective cultivation													
	Crop production and management	**Others(Pl. Specify)**	Orchard Management & Maintainence	06	06	0	0	0	04	0	06	0	16	Manage Hyderabad	0.42 Lakhs
	Post harvest technology and value addition	Processing and value addition													
	Post harvest technology and value addition	**Others(Pl. Specify)**													
	Farm machinery	Farm machinery, tools and implements													
	Farm machinery	**Others(Pl. Specify)**													
	Livestock and fisheries	Livestock production and management													
	Livestock and fisheries	Animal Nutrition Management													
	Livestock and fisheries	Animal Disease Management													
	Livestock and fisheries	Fisheries Nutrition													
	Livestock and fisheries	Fisheries Management													
	Livestock and fisheries	**Others(Pl. Specify)**													
	Home Science	Household nutritional security													
	Home Science	Economic empowerment of women													
	Home Science	Drudgery reduction of women													
	Home Science	**Others(Pl. Specify)**													
	Agricultural Extension	Capacity Building and Group Dynamics													
	Agricultural Extension	**Others(Pl. Specify)**													

Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5	378	66	444	5	0	5	383	66	449
Kisan Mela	1	399	164	563	8	3	11	407	167	574
Kisan Ghosthi	5	109	136	245	0	0	0	109	136	245
Exhibition	5	532	198	730	11	4	15	543	202	745
Film Show	**6**	241	212	453	0	0	0	241	212	453
Method Demonstrations	**10**	232	116	348	6	4	10	238	120	358
Farmers Seminar	4	133	54	187	3	1	4	136	55	191
Workshop	12	247	111	358	0	0	0	247	111	358
Group meetings	15	123	78	201	0	0	0	123	78	201
Lectures delivered as resource persons	15	231	136	367	12	10	22	243	146	389
Newspaper coverage	20	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Radio talks	8	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
TV talks	2	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Popular articles	10	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Extension Literature	5									
Advisory Services	52									45000
Scientific visit to farmers field	112	355	78	433	0	0	0	355	78	433
Farmers visit to KVK	12	902	551	1453	0	0	0	902	551	1453
Diagnostic visits	20	47	15	62	16	4	20	63	19	82
Exposure visits	4	143	48	191	0	0	0	143	48	191
Ex-trainees Sammelan	2	53	37	90	0	0	0	53	37	90

Soil health Camp	1	22	14	36	2	1	3	24	15	39
Animal Health Camp	2	77	0	77	2	0	2	79	0	79
Soil test campaigns	1	58	9	67	1	1	2	59	10	69
Self Help Group Conveners meetings	2	28	21	49	0	2	2	28	23	51
Celebration of important days (specify)	6	59	48	107	0	0	0	59	48	107
Others (pl. specify)	12	162	167	329	0	6	6	162	173	335

Mass media used for wide publicity

Name of media	Number of events/activity	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
CD/DVD				
Radio talks	08	Akashwani Raipur	Raipur	**Regional**
TV talks	01	Doordarshan, Raipur	Raipur	Regional
Newspaper coverage	20	Amanpath Dhainik baskar navbharat	Mahasamund	**Regional**
Kisan Mela	01	574		
Extension Literature	02	KVK Mahasamund Literature	Mahasamund	**Regional**
Internet (Youtube)				
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety (pl. give the name of variety instead of local)	Quantity (qtl.)	Value (Rs.)	Provided to no. of Farmers/ society	Expected area coverage (ha.)
CEREALS						
OILSEEDS	Mustard	DRMR-150-35	4.92	38228	11	98
PULSES	Blackgram	Indira Urd Pratham	10.40	0	0	0
VEGETABLES						
	Coriander	C.G. Chandrahasini Dhaniya-2	0.81	31500	1	6
FLOWER CROPS						
OTHERS (Specify)	Turmeric	Salem/Roma	70	27500	1	1

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
FRUITS	Mango	Local	2000	0	0	
	Lemon	Konkan	3000	200	1	
	Jack fruit	LOcal	200			
	Aonla	Local	4800	8000	1	
	Lime	Local	800		0	
	Almond	Local	30	0		
	Guava	Local	400	0		
	Woodapple	Local	200			
	Mango graft	C.G. Nandiraj/ Amrapali/ Mallika	800	50	1	
	Causterd Apple	Local	1200			

	Karonda	Lal Hara Local	60000	20000	1	
	Drumstick	PKM-1	500	6000	100	
	Jamun	Local	500	6000	1	
	Tamarind	Local	700	5000	1	
SPICES						
VEGETABLES	Drumstick	PKM-1	500		100	
FOREST SPECIES						
ORNAMENTAL CROPS						
PLANTATION CROPS	Neem	Local	400	1000	1	
	Karanj	Local	200			
Others (specify)	Napier	COBN-5	600000	59100	2	

Bio-products

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
1	**Bio Fertilizers**	Non Symbiotic Azotobacter						
		Vermicompost		10880	36	108800/-	Used in kvk farm	20 ha
		Azolla		1950	40	19500/-	Used in kvk Poultry and Animal Unit	10 ha
		Earthworms						
		Compost						
		Blue Green Algae						
		NADEP		10830	36	108300/-	Used in kvk farm	20 ha
		Sanjeewani Khad						
		Acetobactor						
		Aspergillius						
		Azatobactor						

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
		Azospirillum						
		Phosphate solublizing Bacteria						
		Rhizobium						
		Other (pl. sp.)						
2	**Bio-Food**	Spirulina						
		Honey						
		Any Other (pl. sp.)						
3	**Bio Pesticides**	Neem extract						
		Neem powder						
		Tobacco extract						
		Trichoderma viride						
		Trichoderma harjinum						
		Trichogramma chilonis						
		Beauveria bassiana						
		Metarhizium anisopliae						
		Pseudomonas fluorescens						
		SlNPV						
		HaNPV						
		GF1						
		Baco Lures						
		Heli Lures						
		Leucin Lures						
		Paeciliomyces						
		Panchagavya						
		Verticillium						
4	**Bio Agents (Tricho card)**	*Trichogramma chilonis*						
		Chrysoperla carnea						
		Tricho card						
		Any other **(Pl. Specify)**						

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
5	**Bio Agents (Pyrilla parasitoids)**	*Ooincirtus papilionis*						
		Epiricania melanolauca						
6	**Bio Agents(Worms)**	*Eisenia fetida*						
		Eudrilus eugeniae						
		Earth worm						
		Any other **(pl. specify)**						
7	**Others**	Mushroom spawn						
		Mineral Mixture						
		Cow dung (dry)						
		Any other **(pl. specify)**						

LIVESTOCK

S.No	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
1	**Dairy animals**	Cow	Gir	Milk	liter	3974	192576	
		Calves	Gir	ox	number	0	0	
		Goats	Barbari	Meat	number	2	8910	
		Buffaloes						
		Sheep						
		Breeding bull						
		Other **(pl specify)**						
		Poultry	Kadaknath	Meat	kg	200	64904	14
		Poultry	Kadaknath	Chicks	number	600	46672	16
		Poultry	Kadaknath	Egg	number	324	2592	17
		Japanese quail	Japanese	Adult(Meat)	number	1890	75600	30

S.No	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
2	Poultry	Japanese quail	Japanese	Chicks	number	14927	160713	25
		Japanese quail	Japanese	Egg	number	1640	2050	3
		Ducks	Khkhi kambel, White Pecins	Adult(Meat)	number	1	250	1
		Ducks	Khkhi kambel, White Pecins	Chicks	number	0	0	0
		Turkey						
		Other						
3	Piggery	Piglets						
		Boar						
		Sow						
		Other **(pl specify)**						
4	Fisheries	Indian carp						
		Exotic carp						
		Other **(pl specify)**						

Literature to be Developed/Published

KVK News Letter

Period	Quarter	Number of copies published	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/ block/Panchayat Official, D.M. etc.
January to March 2023	Q1	250	250	farmers, officers
April to June 2023	Q2	250	250	farmers, officers
July to September 2023	Q3	250	250	farmers, officers
October to December 2023	Q4	250	250	farmers, officers

Details of Electronic Media to be Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1			
2			
3			

Literature developed/published

Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
Abstract	02	
Book	02	3005
Book Chapter	01	
Booklet		
CD/DVD		
Leaflets/ Folder/ Pamphlet	02	100
Popular article		
Research Paper	01	
Technical Bulletin	02	100
Training Manual	02	500
Technical Report		
Year Planner		
Others (pl. specify)		

Activities of Soil and Water Testing Laboratory

Year of establishment: 2017-18

List of equipments purchased:

Sl. No.	Name of the Equipment	Qty.	Condition
1	PH meter	1	Working
2	Conductivity meter	1	Working
3	Nitrogen Analyzer	1	Working
4	Spectrophotometer	1	Working
5	Flame photo meter	1	Working

Details of Soil samples analyzed:

Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
				by KVKs		By Department	By KVK		By Department				
Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory				Through Mini Soil Testing kit	Through Soil testing laboratory
1	1	334	-	334	-	-	334	-	-	22	Nil	334	-

Details of water samples analyzed :

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

Details of Plant samples analyzed :

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

Footfall of farmers in KVKs (Jan. 2024 to Dec. 2024)

Name of KVK	Footfall during 2024			
	No. of Farmers	No. of officials	No. of VIPs	Total
KVK Mahasamund	1406	28	19	1453

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

Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology						
		Integrated Farming						
		Field Preparation						
		Any Other (Specify)						
2	Weather	Advisory						
		Change in variety						
		Change in Sowing technique						
		Climate forecast						
		Any Other (Specify)						
3	Soil Management	Soil Testing						
		INM						
		Fertilizer Application						
		Vermicomposting/ bio-waste recycling						
		Bio-fertilizer		2	2	45000	1142	
		Any Other (Specify)		2	2	45000	1142	
4	Disease & Pest Management	Disease Management		3	3	45000	1142	
		Pest Management		3	3	45000	1142	
		Preventive Advisory Disease Management						
		Preventive Advisory Pest Management						
		Bio-pesticides						
		Any Other (Specify)						
5	Nutrition Security & Women Empowerment	Nutrition Awareness						
		Kitchen garden						
		Value Addition and Processing						
		Drudgery Reduction						
		Entrepreneurship & Income Generation						
		Advisory						
		Any Other (Specify)						
6	Horticulture	Vegetable		4	4	45000	1142	
		Fruit		4	4	45000	1142	
		Hi Tech Horticulture						
		Any Other (Specify)		2	2	45000	1142	
7	Livestock	Feed and Fodder						

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Dairy Management						
		Fisheries						
		Poultry Management		3	3	45000	1142	
		Vaccination & Disease management		1	1	45000	1142	
		Any Other(Specify)						
8	Farm Mechanization							
9	Extension							
10	Organic Farming							
11	Marketing							
12	Awareness							
13	Other Enterprise							
14	Any Other(Specify)							

Status of KVK Website during Jan to Dec. 2024

Date of start of website	Address of Website	No. of updates during 2024	No. of visitors during 2024	Flag Collected	Year Planner
February 2014	www.kvkmahasamundcg.org	52	24824	102	Mahasamund

Mobile Apps developed by KVK during 2024

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.)

ICT based module

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	Agronomy, Horticulture, Soil Sciences, Soil and water Engerring, Livestock Management and Agro-Meteorology	5000	Agriculture Based different technology in Mahasamund District Chhattisgarh.

Information on social media by KVK

KVK	Facebook	Twitter	Instragram

	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
Mahasamund	**-**	**-**	**-**	**07**	**30**	**-**	**-**

DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Mahasamund	Gosthies	5	245	Agriculture crop production technology
Mahasamund	Lectures organized	15	389	Crop Producttion
Mahasamund	Exhibition	5	745	Agri tech
Mahasamund	Film show	6	453	Agriculture technology
Mahasamund	Fair	1	574	Agriculture technology
Mahasamund	Farm/ Field Visit	112	433	Crop Production
Mahasamund	Distribution of Literature (No.)	5	243	Vermicopost, Azola, Quail Farming
Mahasamund	Distribution of Seed (q)	2	86.13(qtl)	Turmeric Coriander Mustard Blackgram
Mahasamund	Distribution of Planting materials (No.)		675730	Drumstick, Mango ,Lemon,Jack fruit, Aonla, Lasora Almond, Guva Wood apple Karonda, Neem , Karanj, Napier, Custard apple, Fodder grasses
Mahasamund	Bio Product distribution (Kg)		23660(bio product in Kg) + 19384 (live stock in no)	Azola, NADEP, Vernicompost, Gir, Barbari, Kadaknath, Japanese, Khkhi Kambel, White Pecins
Mahasamund	Distribution of Bio Fertilizers (q)			
Mahasamund	Distribution of fingerlings			
Mahasamund	Distribution of Livestock specimen (No.)			
Mahasamund	Total number of farmers visited the technology week	12	1453	farmers visit
	Animal health camp	2	79	
	Awareness programme	12	335	
	Demonstration	10	358	Demonstration
	Exposure visit	4	191	Exposure visit
	Ex-trainees Meet	2	90	Ex-trainees Meet
	Farmer scientist interaction	15	201	Awareness, Demonstration, Advisory
	Farmers Training	54	1446	Farmers Training
	Gajarghans Unmulan Pakhwada	1	18	Gajarghans Unmulan Pakhwada
	Group Meeting	15	201	Group Meeting
	Jai Kisan Jai Vigyan Sangoshthi	1	36	Awareness Programme
	Plant Protection Week			

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
	Seed treatment campaign			
	Self Help Group convener meet	2	51	SHG Awareness, Implementation
	Soil health Camp	1	41	Soil Health Awareness Programme
	Swachha Bharat Abhiyan	24	132	Cleaning, Awareness

Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Er. Ravish Keshri	SMS, SWE	01	training cum workshop on Agriculture engineering
	Total			

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Mahasamund	**1**	**1**

Participation in HRD Programmes organized by DES

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

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

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

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)

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

Information for TSP Jan-Dec 2024

Sl. N	Farmer Training	Women Farmer Training	Rural Youths	Extension Personnel	Number of farmers involved	Participants	Production	Production	Production	Production	Testing of Soil,

o.	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	in extension activities (No.)	of seed (q)	of Planting material (Number in lakh)	of Livestock strains (Number in lakh)	of fingerlings (Number in lakh)	water, plant, manures samples (Number)

39. Information for SCSP Jan-Dec 2024

Sl. No.	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 2024

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

Activities in Nutri-Smart Village during Jan-Dec 2024

Information about Nutri-Smart Village

Name of KVK	Block	Name of Nutri Smart Village

1. Technologies Assessed (OFT) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) **(m^2)**				
	Bio-fortified Crops (activity in no. of				

	Unit) **(ha)**				
	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)				

2. Technologies Demonstrated (FLD) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) **(m^2)**				
	Bio-fortified Crops (activity in no. of Unit) **(ha)**				
	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	

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	

LINKAGES
Functional linkage with different organizations

Name of organization	Nature of linkage

Details of linkage with ATMA / NFSM
a) **Is ATMA implemented in your district** Yes/No

Name of Programme	Nature of linkage

Give details of programmers implemented under National Horticultural Mission

Name of Programme	Nature of linkage

Flagship programmes implemented at KVK
(NICRA, ARYA, Natural farming, CBBO, Seed Hub, Agri Drone etc)

Name of Flagship programmes

Month	Activity details	Beneficiaries/Area/Coverage

Crop Cafeteria
Total Area of Crop cafeteria: 1500 Sq m

Crop	Season	Variety	Particulars /details	Area (Sq m)
Maize	Kharif	NK-30	Fodder	200
Bhindi	Kharif	VNR-Deepika	Vegetable	200
Cow-pea	Kharif	Kashi Kanchan	Vegetable	200
Turmeric	Kharif	Salem	Spices	200
Turmeric	Kharif	Roma	Spices	200
Black Gram	Kharif	Indira Urd Pratham	Pulses	200
Wheat	Rabi	CG1023 (C.G. Hansa)	Cereal	100
Wheat	Rabi	CG1029 (Kanishka)	Cereal	100
Wheat	Rabi	CG1040	Cereal	100
Wheat	Rabi	CG1044	Cereal	100
Wheat	Rabi	CG03	Cereal	100
Wheat	Rabi	CG1036(Vidha)	Cereal	100
Coriander	Rabi	CG Shri chandrahasini	Spices	200
Cauliflower	Rabi	Maghichanda-16	Vegetable	200
Chilli	Rabi	VNR Unnati60-13	Vegetable	200
Tomato	Rabi	Satabdi S-6601	Vegetable	200
Brinjal	Rabi	VNR-212	Vegetable	200
Mustard	Rabi	DRMR-150-35	Oilseed	100

Crop	Season	Variety	Particulars /details	Area (Sq m)

Details of Demonstration Unit at KVK

Demonstration Unit	Particulars /details	Area (Sq m)	Output /Production
Quail & Kadaknath Unit	Japanese Quail & Kadaknath	369	40000chick
Dairy Unit	Cow- Gir (6 Milking, 2 Male, 17 Heifer)	213	3974 lit
Duck cum Fish Unit	Duck- White pekin + Khaki Cambell, Fish- Rohu +Katla + Mrigal	2000	100 duckling + 50kg fish
Vermicompost Unit	28 nos.Vermicompost tank	545	546 qt. Vermicompost
Azola Unit	Azola Pinata , 40 nos. tank	286	3.6 t per year
Hydroponics Fodder Unit	Green Fodder production round the year	5	9qt green fodder
Posan Badi Unit	Fruits & Vegetable availability for a family round the year	200	2-5 kg per day

Success stories/Case studies identified for development as a case: ……..(no.)

Success stories/Case studies – (best two only in the following format in separate file attached)

Name of the KVK	
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	
Photographs (2-3 Photographs with caption in .jpeg format)	

Indicate the specific training need analysis tools/methodology followed for(Viz PRA, AES, line dept, ex trainees, interface,)

S. No.	Training	Need analysis tools/methodology followed
1	Identification of courses for farmers/farm women	
2	Rural Youth	
3	In-service personnel	
4	methodology for identifying OFTs/FLDs	
5	Matrix ranking	

Field activities
Name of villages identified for adoption with block name:

S.No.	Name of Village	Name of Block	Distance of village from KVK (Km)
1			
2			
3			
4			
5			
6			
7			
8			

1. No. of farm families selected per village :
2. No. of survey/PRA to be conducted:

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)