ANNUAL ACTION PLAN 2024

KVK Mahasamund

January 2024 to December 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.2023)

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	Shri 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	Deepanshu Mukherjee	SMS	Agro meteorology	56100-177500, 65000	07.09.19	07.09.19	6261968323	deepajeet10@gmail.com	
7	Subject Matter Specialist	Dr. Nirjharnee Nandeha	SMS	Agronomy	56100-177500, 65000	13.09.2023	13.09.2023	9406474226	nirjharneenandeha04@gmail.com	
8	Programme Assistant	Mr. 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	Smt. 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	Shri Amar Chand Sahu	AG-1		28700-91300, 31200		09.01.23	9669048985	kvkmahasamund@gmail.com	
12	Jr. Stenographer / Comp. Operator	Shri Narottam Sahu	AG-2 (Contractual)	-	18420 (Fixed)	01.01.21	01.01.21	9926848045	kvkmahasamund@gmail.com	
13	Driver	Vacant	Driver	-	-	-	-	-	-	
14	Driver	Mr.Rajesh Markandey	Driver	-	25400	02.04.13	02.04.13	7566000700	kvkmahasamund@gmail.com	
15	Supporting staff	Shri Khayal Das Vaishnav	Messenger	-	26600	04.02.06	04.02.06	9516348175	kvkmahasamund@gmail.com	
16	Supporting staff	Vacant	Watchman	-	-	-	-	-	-	

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						

A) Vehicles

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

B) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Projector	2021	52816	Working
Xerox Machine	-		
Generator	-		
Video Camera	-		
Computer, Laser Printer	2021	16000	Working
UPS 600 VA	-		
Stabilizer 2 KVA	-		
Stabilizer	2021	3700	Working
Inverter 600 VA (2)	-		
Inverter Battery (2)	-		

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

Sl. No.	Tentative Date
1	April - May 2024

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 in industrial activity.	• 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 squeeze for new projects.

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	Inceptisols (Matasi): Sandy loam	Sandy Loam, medium shallow deep,yellow colour, PH- 5.4-6.2	107547
2	Alfisols (Dorsa): Clay loam	Clay loam, medium to moderate deep, red and brownish grey colour, PH- 5.8-6.5	59667
3	Entisoils (Bhata): lateritic	Gravelly course loamy to Sandy , very shallow, reddish to dark reddish colour, PH- 5.0-5.4	58438
4	Vertisols (Kanhar): Clayey	Clayey heaver deep, dark gray brown to black colour, PH- 5.8- 6.9	53250

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	12450	184772	14.84
2	Vegetables	19159	323274	16.87
3	Spices	3048	33083	10.85
4	Flowers	12069	24912	2.06

Source: Department of Horticulture and Farm Forestry, Nava Raipur, C.G,2022-23

Weather data (Jan, 2023- Dec., 2023)

Month /Year	Rainfall (mm)	Temperature (^{0}C)	
		Maximum	Minimum
Jan. 2023	3.04	25.8	11.3
Feb. 2023	0.0	31.3	13.3
Mar. 2023	48.94	34.0	20.2
Apr. 2023	36.06	38.2	23.8
May. 2023	69.54	40.0	25.6
Jun. 2023	157.34	39.2	28.5
July. 2023	470.67	30.9	24.9
Aug. 2023	287.94	29.3	23.7
Sept. 2023	465.0	29.9	24.1
Oct. 2023	15.19	29.0	19.3
Nov. 2023	7.44	26.9	17.0
Dec. 2023	16.5	26.4	16.4

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)

SN	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
10	100	10	90

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
75	1575	102	Mass

Seed Production (Qtl.)	Planting material (Nos.)
77 Qt.	6,16,000

B. Abstract of interventions to be undertaken

S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1									
2									
3									
4									

Technologies to be assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Total
Variety assessment	2									2
TOTAL										

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	Total
TOTAL								

Details of On Farm Trial (OFT)

OFT-1 (Agronomy)

Crop / Enterprise	Rice	
Title of on farm trial	Assessment of rice var. MTU 1153	
Problem diagnosed	Insect-pest infestation (BPH, Panicle mite)	
Farmers' Practices	Cultivation of rice variety MTU – 1010	
Details of technologies selected for assessment	T_1	Cultivation of rice variety MTU – 1010
	T_2	Rice var. MTU-1153 Non lodging, tolerant to BPH and Blast with low grain shattering , Duration - 120 days, Yield- 45-50 q/ha
Source of technology	IGKV, Raipur	
Plot size (ha)	0.4	
No. of farmers	5	
Total cost	5000	
Critical input	Seed, Bio-fertilizer	
Performance indicators: (i) Growth and Yield attributes (ii) Technical- **yield (q/ ha)** (iii) Economic (iv) Social – **Employment generation**	Insect damage/m^2, Effective tiller/hill, No. Grain/panicle, Yield q/ha and B:C ratio	

OFT -2 (Agronomy)

Enterprise	Wheat
Title of on-farm trial	Assessment of **Kanishka** (CG 1029) wheat performance with late sowing and irrigation
Problem diagnosed	low yield as a result of late wheat sowing and poor variety selection
Farming situation	Midland
Production system and thematic area	Rice-Wheat, Varietal Assessment
Farmers' practices	Cultivation of wheat variety GW 322
Source of technology	IGKV, Raipur
No. of farmers	5
Critical input	Seed, Bio-fertilizer
Total cost	6000
Performance indicators Observation to be recorded **Yield : quintals/ha** **Economics : B: C ratio** **Social: Farmers reaction & Feedback**	Sowing time, Effective tiller/plant, Grain/spike, Yield, B:C ratio

OFT -3 (Soil Science)

Crop / Enterprise	Paddy	
Title of on farm trial	Assessment of Natural farming Based Nutrient Management in Scented Rice (Var. – CG Devbhog)	
Problem diagnosed	Low yield potential due to degrading and poor soil fertility status	
Farmers' Practices	Use of FYM @ 1 ton / ha, no use of Beejamrit + Ghanjeevamri + Jeevamrit	
Details of technologies selected for assessment	T_1	Use of FYM @ 1 ton / ha, no use of Beejamrit + Ghanjeevamri + Jeevamrit
	T_2	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
	T_3	Rows can be added if necessary
Source of technology	IGKV, Raipur	
Plot size	0.2 ha.	
No. of farmers	5	
Total cost	11000/-	
Critical input	Seed, raw materials for preparation of Jivaamarit, Beejamrit, Ghanjivamarit, Biopesticides	
Performance indicators: (v) Growth and Yield attributes (vi) Technical- **yield (q/ ha)** (vii) Economic (viii) Social – **Employment generation**	No. of tillers/plant Yield (q/h) B:C ratio	

OFT -4 (Soil Science)

Crop / Enterprise	Wheat	
Title of on farm trial	Assessment of Soil Health Card (SHC) based Nutrient Management in Wheat (Var.- CG 1023 Hansa)	
Problem diagnosed	Low yield due to imbalance use of fertilizer	
Farmers' Practices	Irrigated	
Details of technologies selected for assessment	T_1	Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
	T_2	SHC based nutrient management, Improved variety (CG 1023 Hansa) (Rows can be added if necessary)
	T_3	Rows can be added if necessary
Source of technology	IGKV, Raipur	
Plot size	0.2 ha.	
No. of farmers	5	
Total cost	6800/-	
Critical input	Seed , Soil Testing	
Performance indicators: (ix) Growth and Yield attributes (x) Technical- **yield (q/ ha)** (xi) Economic (xii) Social – **Employment generation**	No. of panicle/sq. m Yield (q/h) B:C ratio	

OFT -5 (Agri Engg.)

Crop/Enterprise	Black gram
Title of on-farm trial	Assessment on effect of vibratory subsoiler on growth and yield of black gram
Problem diagnosed	Crop damage due to high intense rainfall and poor infiltration/drainage
Farming situation	Rainfed
Production system and thematic area	Farm mechanization
Farmers' practices	No deep tillage
Details of technologies selected for assessment/refinement Treatments	T1: Deep tillage by vibratorysubsoiler T2: No deep tillage (control)
Source of technology	IGKV, Raipur
No. of farmers	4
Area of each trial	0.4 ha
No of trial	4
No. of animals (if animals are part of OFT)	NA
Critical input	Seed
Performance indicators Observation to be recorded	Field Capacity (ha/hr), yield (Q./ha), BC ratio
Cost of input	5000
Total cost	10000

OFT -6 (Agri Engg.)

Crop/Enterprise	Finger millet (Ragi)
Title of on-farm trial	Assessment of millet planter for sowing of Finger millet (ragi)
Problem diagnosed	High seed rate, Low yield, problem in crop management
Farming situation	Rainfed / Irrigated
Production system and thematic area	Farm mechanization
Farmers' practices	broadcasting
Details of technologies selected for assessment/refinement Treatments	T1: sowing of ragi with millet planter T2: broadcasting (control)
Source of technology	IGKV, Raipur
No. of farmers	04
Area of each trial	0.4 ha
No of trial	4
No. of animals (if animals are part of OFT)	NA
Critical input	Seed
Performance indicators Observation to be recorded	Field Capacity (ha/hr), yield (Q./ha), BC ratio
Cost of input	5000
Total cost	10000

OFT-7(Horticulture)

Crop / Enterprise	Colocassia	
Title of on farm trial	Assessment of Colocassia Variety Indira Arbi-2	
Problem diagnosed	Use of Unidentified Variety	
Farmers' Practices	Use of Unidentified Variety	
Details of technologies selected for assessment	T_1	Improved Colocassia Variety Indira Arbi-2
	T_2	
	T_3	Rows can be added if necessary
Source of technology	IGKV, Raipur	
Plot size	0.4 ha	
No. of farmers	05	
Total cost	16000	
Critical input	Seed	
Performance indicators: (xiii) Growth and Yield attributes (xiv) Technical- yield (q/ ha) (xv) Economic (xvi) Social – Employment generation	Number of Leaves, Weight of Corm yield (q/ ha) B:C ratio	

OFT -8 (Horticulture)

Crop / Enterprise	Onion
Title of on-farm trial	Assessment of Chemical Weed Management in Onion
Problem diagnosed	Higher weed infestation
Farming situation	Irrigated
Production system and thematic area	Weed Management
Farmers' practices	Hand Weeding
Details of technologies selected for assessment/refinement Treatments	T1Pendamethalin @ 2 lt. per ha after 0-3 days after transplanting T2 Oxyflourfen @ 250 ml. /ha after 20 days after transplanting
Source of technology	IGKV, Raipur
No. of farmers	05
Critical input	Seed and weedicide
Cost of input	3200
Total cost	16000
Performance indicators Observation to be recorded	yield (q/ ha) B:C ratio

Detailed Information about OFT:

Agronomy (OFT-1):-

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	**Agronomy (OFT-1)**
Title of on-farm trial:	Assessment of rice variety MTU 1153
Year/Season:	2024/kharif
Farming situation:	Midland
Problem diagnosis:	Insect-pest infestation (BPH, Panicle mite)
Thematic area:	Varietal evaluation
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-	Cultivation of rice variety MTU – 1010
T2 –Recommended Practice-	Rice var. MTU-1153 Non lodging, tolerant to BPH and Blast with low grain shattering , Duration - 120 days, Yield- 45-50 q/ha
Date of sowing:	
Date of harvesting:	
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Rice
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Agronomy (OFT-2):-

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	**Agronomy (OFT-2)**
Title of on-farm trial:	Assessment of **Kanishka** (CG 1029) wheat performance under late sown and irrigated conditions
Year/Season:	2024/Rabi
Farming situation:	Midland
Problem diagnosis:	low yield as a result of late wheat sowing and poor variety selection
Thematic area:	Varietal evaluation
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:Cultivation of wheat variety **GW - 322**
T2 –Recommended Practice-	T2:Wheat var. Kanishka Duration : 103-105 days, average yield: 50-55 q/ha
Date of sowing:	
Date of harvesting:	
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Soil Science (OFT-3):-

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:	2024- Kharif
Farming situation:	Irrigated
Problem diagnosis:	Low yield potential due to degrading and poor soil fertility status
Thematic area:	Natural Farming
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1- Use of FYM @ 1 ton / ha, no use of Beejamrit + Ghanjeevamri + Jeevamrit
T2 –Recommended Practice-	T2- 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:	
Date of harvesting:	
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Soil Science (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:	2024-25, Rabi
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to imbalance use of fertilizer
Thematic area:	Nutrient Management
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assessment
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	T1- Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha
T2 –Recommended Practice-	T2- SHC based nutrient management, Improved variety (CG 1023 Hansa)
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IGKV, Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	
Recommendations for Farmers	

OFT -5 (Agri Engg.)

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 of millet planter for sowing of Finger millet (Ragi)
Year/Season:	Rabi 2024
Farming situation:	Rainfed/irrigated
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	

OFT -6 (Agri Engg.)

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 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:	4
No. of farmers involved	4
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 darinage
Name of Crop/Enterprises:	Black Gram
Recommendations for Farmers	

Horticulture (OFT-7):-

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:	Crop Production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment)	Assessment of Colocassia Variety Indira Arbi-2
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Use of Unidentified Variety
T2 –Recommended Practice-	Improved Colocassia Variety Indira Arbi-2
Date of sowing:	
Date of harvesting:	
Source of technology:	IGKV,Raipur
Characteristics of technology:	Improved Variety
Name of Crop/Enterprises:	Colocassia
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

Horticulture (OFT-8):-

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
Type of OFT (Assessment)	Assessment of Chemical Weed Management in Onion
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 T2 Oxyflourfen @ 250 ml. /ha after 20 days after transplanting
Date of sowing:	
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	
Recommendations for Deptt. Personnel	
Feedback	

Information about Extension

OFT: 9

Title	Assessment of utilization of ICT based app (Crop doctor) in Plant protection of Groundnut crop by the farmers of Mahasamund district.
Season & Year	2023-24, 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	No use of ICT tools in agriculture by the farmers
No. of replication (Farmers)	25

Results / findings

Performance indicators/ parameters	Unit/ details
1.Utilization pattern of Crop doctor app 2.Purpose of utilization 3. Accurate 4.Timeliness 5.Relevance 6.Problem faced in use of crop doctor app.	

Information about Extension OFT: 10

Title	Assessment of performance of Self Help Groups on Socio - Economic, Knowledge and Technology level on members of SHGs in Mahasamund District of Chhattisgarh.
Season & Year	2023-24, 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	Impact assessment
Farming situation	-----
Name of Technology Intervention under study	Self Help Groups
Farmers Practice	No membership of farmers in SHGs for production, processing, value addition and marketing of agricultural produce or other allied activities
No. of replication (Farmers)	50

Results / findings

Performance indicators/ parameters	Unit/ details
Sudy of Socio-economic Profile , level of knoweldge, technology level and problem faced	

Frontline Demonstrations

Details of FLDs to be organized (Based on soil test analysis)

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified for performance evaluation
1	Black Gram	Integrated Weed Management	Demonstration on chemical weed management	Seed	Kharif 2024	05	12	Yield, Plant nodules, Weed index, Weed control efficiency
2	Mustard	Integrated Weed Management	Demonstration on chemical weed management	Seed	Rabi 2024-25	05	12	Yield Plant height, Sliqua/plant, weed index, weed control efficiency
3	Black Gram	Integrated Nutrient Mangement	Demonstration of INM in Black gram	Seed, Biofertilizer	Kharif 2024	4.8	12	Number of pod/plant, yield (q/h) & B:C ratio
4	Lathyrus	Nutrient management	Demonstration on improved Utera technique in Lathyrus	Seed, Biofertilizer, Trichoderma, Liquid Fertilizer	Rabi 2024-25	4.8	12	1. Plant height 2. Plant root growth observation 3. Root nodule /plant 4. yield q./ha 5. B:C Ratio
7	Cowpea	Crop Production	Improved Variety “Kashi Kanchan”	Seed	Kharif 2024	0.4	05	Yield, B:C ratio
8	Guava	Crop Production	Fruit bagging in Guava	Anti Fog Polythene Bags	Rabi 2024	0.4	05	Yield, B:C ratio
9	Paddy Straw Mushroom	Integrated Farming System (IFS)	Paddy Straw Mushroom production	Spawn, Polythene Bags and other Essential Inputs	Kharif & Summer 2024	.15	10	Local Check/ Farmer Practice: Yield and B : C ratio
10	Vegetables and Fruits	Nutritional security, Nutrition Sensitive Agriculture	Nutritional garden	Seeds and Saplings of Vegetables and Fruit Plants	Kharif + Rabi 2022	.15	10	Local Check/ Farmer Practice: Yield and B : C ratio

Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	05	Kharif & Rabi	200
2	Farmers Training	75	Kharif & Rabi	1575
3	Media coverage	35		Mass
4	Training for extension functionaries	4		100

Details of FLD on Enterprises

Farm Implements

Name of the implement	crop	Season and year	No. of farmers	Area (ha)	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
							Demon.	Local check
FLD -5 : Farm Mechanization - Paddy Crop Residue Management by Tractor Operated	Paddy	Kharif/Rabi	12	5	NA	Field capacity (Ha/hr), cost of operation (Rs./ha)		
FLD – 6: Farm Mechanization - Demonstration of seed cum fertilizer drill for sowing of wheat	Wheat	Rabi	12	5	Seed	Field capacity (Ha/hr), yield, Q/ha, BC Ratio		

**Field efficiency, labour saving etc.*

Cluster Demonstration of Oilseed and Pulses under NFSM (2024-25)

Sn	Crop	Thematic area	Technology for demonstration	Critical inputs	*Season and year*	Area (ha)	No. of farmers/ demonstration	Parameters identified
1.	Sesame	ICM	Improved Variety of Seed, Line sowing, Seed treatment with Biofertilizer	Seed, Biofertilizers,	2024 , Kharif	10	25	Plant Population, Yield (q/ha)
2.	Groundnut	ICM	Improved Variety of Seed, Line sowing, Seed treatment with Biofertilizer	Seed, Biofertilizers	2024, Kharif	20	50	Plant Population, Yield (q/ha)
3.	Black gram	Varietal Demonstration	HYV, Seed Treatment, IWP, INM	Seed, Culture, herbicide, fungicide &Insecticide	2024, Kharif	20	50	No.of Pods/per plant yield and B:C
4.	Linseed	Varietal Demonstration	Line Sowing, IPM, Weed Management	Seed ,Weedicide and bio fertilizer	2024-25 Rabi	10	25	Plant Height, No.of Pods, Production.
5.	Mustard	Varietal Demonstration	Line Sowing, IPM, Weed Management	Seed ,Weedicide and bio fertilizer	2024-25 Rabi	30	45	Plant Height, No.of Pods, Production.
6.	Green Gram	Varietal Demonstration	Fungicide, Bio Fertilizer,	Seed and bio fertilizer	2024-25 Summer	20 ha	50	
7.	Sesame	ICM	Fungicide, Bio Fertilizer,	Seed and bio fertilizer	2024-25 Summer	20 ha	50	

Extension and Training activities under CFLDs Oilseed and Pulses

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	6		200
2	Farmers Training	10		250
3	Media coverage	6		Mass
4	Training for extension functionaries	6		50

Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of	Duration	No. of Participants

	Courses	(Days)	Others			SC/ST			Grand Total
			Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women									
I Crop Production									
Weed Management									
Resource Conservation Technologies									
Integrated Farming									
Water management									
Seed production									
Integrated Crop Management									
Total									
II Horticulture									
a) Vegetable & fruit Crops									
Off-season vegetables									
Protective cultivation (Green Houses, Shade Net etc.)									
Total									
b) Fruits									
Management of young plants/orchards									
Total									
c) Ornamental Plants									
Total									
d) Plantation crops									
Total									
e) Tuber crops									
Total									
f) Spices									
Production and Management technology									
Total									
g) Medicinal and Aromatic Plants									
Production and management technology									
Total									
Grand total (Horticulture)									
III Soil Health and Fertility Management									
Soil fertility management	1	1						25	
Soil and Water Conservation	1	1						25	
Integrated Nutrient Management	1	1						25	
Production and use of organic inputs	1	1						25	
Management of Problematic soils	1	1						25	
Micro nutrient deficiency in crops	1	1						25	
Nutrient Use Efficiency	1	1						25	
Soil and Water Testing									
Total									
IV Livestock Production and Management									
Dairy									

Thematic Area	No. of Courses	Duration (Days)	No. of Participants							
			Others				SC/ST			Grand Total
			Male	Female		Total	Male	Female	Total	
Management										
Poultry Management										
Disease Management										
Feed management										
Production of quality animal products										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Gender mainstreaming through SHGs										
Value addition										
Income generation activities for empowerment of rural Women										
Location specific drudgery reduction technologies										
Women and child care										
Total										
VI Agril. Engineering										
Total										
VII Plant Protection										
Integrated Pest Management										
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Total										
VIII Fisheries										
Integrated fish farming										
Total										
IX Production of Inputs at site										
Vermi-compost production										
Organic manures production										
Total										

Thematic Area	No. of Courses	Duration (Days)	No. of Participants								
			Others				SC/ST				Grand Total
			Male	Female		Total	Male	Female		Total	
X Capacity Building and Group Dynamics											
Leadership development	1	1	10	10		20	3	2	25		25
Group dynamics	1	1	10	10		20	3	2	25		25
Formation and Management of SHGs	1	1	10	10		20	3	2	25		25
Mobilization of social capital	1	1	10	10		20	3	2	25		25
Entrepreneurial development of farmers/youths	1	1	10	10		20	3	2	25		25
WTO and IPR issues											
Total											
XI Agro-forestry											
Total											
XII Others (Pl. Specify)											
Grand Total											
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Seed production											
Planting material production											
Vermi-culture											
Value addition											
Sheep and goat rearing											
Para extension workers											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Protected cultivation technology											
Group Dynamics and farmers organization											
Capacity building for ICT application											
Livestock feed and fodder production											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL											

B) OFF Campus

Thematic Area	**No. of Courses**	**Duration (days)**	**No. of Participants**		
			Others	**SC/ST**	**Grand**

			Male	Female	Total	Male	Female	Total	Total
(A) Farmers & Farm Women									
I Crop Production									
Weed Management									
Resource Conservation Technologies									
Cropping Systems									
Crop Diversification									
Integrated Farming									
Water management									
Seed production									
Nursery management									
Integrated Crop Management									
Fodder production									
Production of organic inputs									
Total									
II Horticulture									
a) Vegetable Crops									
Nursery raising	02	02	08	06	14	20	16	36	50
Export potential vegetables	02	02	08	06	14	20	16	36	50
Protective cultivation (Green Houses, Shade Net etc.)	02	02	08	06	14	20	16	36	50
b) Fruits									
Cultivation of Fruit	02	02	08	06	14	20	16	36	50
Management of young plants/orchards	02	02	08	06	14	20	16	36	50
Export potential of ornamental plants	01	01	04	03	07	10	08	18	25
Propagation techniques of Ornamental Plants	02	02	08	06	14	20	16	36	50
d) Plantation crops									
e) Tuber crops									
f) Spices	02	02	08	06	14	20	16	36	50
g) Medicinal and Aromatic Plants									
III Soil Health and Fertility Management									
Soil fertility management	1	1							**25**
Soil and Water Conservation	1	1							**25**
Integrated Nutrient Management	1	1							**25**
Production and use of organic inputs	1	1							**25**
Management of Problematic soils	1	1							**25**
Micro nutrient deficiency in crops	1	1							**25**
Nutrient Use Efficiency	1	1							**25**
Soil and Water Testing									
IV Livestock Production and Management									
Dairy Management									
Poultry Management									
Disease Management									
Feed management									
Production of quality animal products									
V Home Science/Women empowerment									
Household food security by kitchen gardening and nutrition gardening									
Design and									

development of low/minimum cost diet									
Designing and development for high nutrient efficiency diet									
Minimization of nutrient loss in processing									
Gender mainstreaming through SHGs									
Storage loss minimization techniques									
Value addition									
Income generation activities for empowerment of rural Women									
Location specific drudgery reduction technologies									
Rural Crafts									
Women and child care									
Total									
VI Agril. Engineering									
VII Plant Protection									
Integrated Pest Management									
Integrated Disease Management									
Bio-control of pests and diseases									
Production of bio control agents and bio pesticides									
VIII Fisheries									
IX Production of Inputs at site									
X Capacity Building and Group Dynamics									
Leadership development	1								25
Group dynamics	1								25
Formation and Management of SHGs	1								25
Mobilization of social capital	1								25
Entrepreneurial development of farmers/youths	1								25
WTO and IPR issues									
XI Agro-forestry									
XII Others (Pl. Specify)									
TOTAL									
(B) RURAL YOUTH									
Production of organic inputs									
Sheep and goat rearing									
TOTAL									
(C) Extension Personnel									
TOTAL									

Annexure – I: Experts discipline wise Training Programme

i) Farmers & Farm women

1. On Campus

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										
Jan	Farmers & Farm women	Integrated crop management in summer rice	1	5	10	15	5	5	10	25
Feb.	Farmers & Farm women	Production technology of sesame	1	5	10	15	5	5	10	25
March	Farmers & Farm women	Weed management in urd bean	1	5	10	15	5	5	10	25
April	Farmers & Farm women	Crop diversification with pulses	1	5	10	15	5	5	10	25
May	Farmers & Farm women	Nursery management in rice	1	5	10	15	5	5	10	25
June	Farmers & Farm women	Weed management in pulses	1	5	10	15	5	5	10	25
Horticulture										
Livestock production										
Home Science										
Plant Protection										
Agriculture Extension (Capacity Building and Group Dynamics)										
Jan	Farmers & Farm women	Income generating activities for farm women through SHGs	1							20
Jan	Farmers & Farm women	Nutritional Garden for nutritional security	1							20
Jan	Farmers & Farm women	Production technology of oilseed sesame crop	1							25
Feb	Farmers & Farm women	Formation of FPO and its management	1							25
Feb	Farmers & Farm women	Entrepreneurship development through FPO	1							25
Mar	Farmers & Farm women	Use of ICT tools in agriculture	1							25
Apr		Production technology of Paddy	1							25

		straw Mushroom								
Soil Science										
January	Farmers & Farm women	Training on Integrated Nutrient Management in Finger Millet	1						25	
February	Farmers & Farm women	Hands on Training on production of ermin compost	1						25	
March	Farmers & Farm women	Training on preparation of vermin wash	1						25	
April	Farmers & Farm women	Hands on training on soil sampling	1						25	
May	Farmers & Farm women	Training on soil treatment through biofertilizer	1						25	
June	Farmers & Farm women	Training on green manuring in Kharif paddy	1						25	
Agrometerology										
Feb	Farmers & Farm women	Complete Information of Meghdoot app agriculture as well as weather forecast to the farmers.	1							25
Apr	Farmers & Farm women	Damini app technologies in agriculture.	1							25
June	Farmers & Farm women	Weather elements in agriculture.	1							25
Aug	Farmers & Farm women	Importance of Weather Instruments in Agriculture.	1							25
Oct	Farmers & Farm women	Impact of Climate change in agriculture.	1							25
Dec	Farmers & Farm women	Importance about Agro Observatory in Agriculture.	1							25
Agriculture Engineering										
March	Farmers & Farm women	Micro irrigation system	1							25
Apr	Farmers & Farm women	Post-harvest management and processing of millets	1							25
May	Farmers & Farm women	Importance, operation and maintenance of farm machinery	1							25
June	Farmers & Farm women	Rain water harvesting and management	1							25
March	Farmers & Farm women	Micro irrigation system	1							25

2. Off Campus

Month/ Tentative Date	Clientele	Title of the training	Duration in days	Number of participants		Grand Total
				Others	Number of SC/ST	

		programme		Male	Female	Total	Male	Female	Total	
Crop Production										
July	Farmers & Farm women	Weed management in rice	1	5	10	15	5	5	10	25
Aug.	Farmers & Farm women	seed production technology of urd bean	1	5	10	15	5	5	10	25
Sept.	Farmers & Farm women	Management of crop residues	1	5	10	15	5	5	10	25
Oct	Farmers & Farm women	Water management in mustard	1	5	10	15	5	5	10	25
Nov .	Farmers & Farm women	SRI method of rice cultivation	1	5	10	15	5	5	10	25
Dec .	Farmers & Farm women	Organic crop production	1	5	10	15	5	5	10	25
Horticulture										
July	Farmers & Farm Women	Different types of Nursery beds and their uses	01	04	03	07	10	8	18	25
Sept	Farmers & Farm Women	Importance of Fruit Bagging in Guava	01	04	03	07	10	8	18	25
Aug	Farmers & Farm Women	Production technology of Papaya	01	04	03	07	10	8	18	25
June	Farmers & Farm Women	Care and Maintainace of Orchards	01	04	03	07	10	8	18	25
Oct	Farmers & Farm Women	Propagation of Marigold through cuttings	01	04	03	07	10	8	18	25
Aug	Farmers & Farm Women	Cultivation of Tomato under Low cost protected structure	01	04	03	07	10	8	18	25
Jun	Farmers & Farm Women	Improved Production technology of Kharif Onion	01	04	03	07	10	8	18	25
Jun	Farmers & Farm Women	Improved Production technology of Ginger	01	04	03	07	10	8	18	25
Jun	Farmers & Farm Women	Turmeric Propagation through Plug Nursery technique	01	04	03	07	10	8	18	25
Sept	Farmers & Farm Women	Production technology of Marigold	01	04	03	07	10	8	18	25
Nov	Farmers & Farm Women	Ridge and Furrow Method of watermelon cultivation	01	04	03	07	10	8	18	25
Feb	Farmers & Farm Women	Zero Energy Cool Chamber for Storage of vegetables	01	04	03	07	10	8	18	25
July	Farmers & Farm Women	Different types of Nursery beds and their uses	01	04	03	07	10	8	18	25

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
July	Farmers & Farm Women	Production technology of Banana	01	04	03	07	10	8	18	25
Oct	Farmers & Farm Women	Production technology of Coriander	01	04	03	07	10	8	18	25
Livestock production										
Home Science										
Plant Protection										
Agriculture Extension (Capacity Building and Group Dynamics)										
May	Farmers & Farm Women	Income generating activities for farm women through SHGs	1							25
Jun	Farmers & Farm Women	Leadership development in farm women	1							25
July	Farmers & Farm Women	Nutritional security through nutritional garden	1							25
Sept	Farmers & Farm Women	Decision making in farm women	1							25
Oct	Farmers & Farm Women	Formation and management of FPO	1							25
Nov	Farmers & Farm Women	Leadership development in farm women	1							25
Dec	Farmers & Farm Women	Formation of FPO and its management	1							25
Soil Science										
July	Farmers & Farm Women	Hands on training on application of biofertilizer in pulses	1							25
August	Farmers & Farm Women	Training on application of liquid fertilizer in cereal, pulses and oil seed crops	1							25
September	Farmers & Farm Women	Hands on Training on preparation of Ghanjeevamrit	1							25

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
October	Farmers & Farm Women	Hands on Training on preparation of Beejamrit and Jeevamrit	1							25
November	Farmers & Farm Women	Training on soil treatment through biofertilizer	1							25
December	Farmers & Farm Women	Training on Integrated nutrient management in Millet crops	1							25
Agrometerology	Farmers & Farm Women									
Feb	Farmers & Farm Women	Complete Information of Meghdoot app agriculture as well as weather forecast to the farmers.	1							25
Apr	Farmers & Farm Women	Damini app technologies in agriculture.	1							25
June	Farmers & Farm Women	Weather elements in agriculture	1							25
Aug	Farmers & Farm Women	Importance of Weather Instruments in Agriculture	1							25
Oct	Farmers & Farm Women	Impact of Climate change in agriculture	1							25
Dec	Farmers & Farm Women	Importance about Agro Observatory in Agriculture .	1							25
Agriculture Engineering										
Jan	Farmers & Farm Women	Agricultural Drone technology	1							25
February	Farmers & Farm Women	Agricultural Drone technology	1							25
July	Farmers & Farm Women	Importance, operation and maintenance of farm machinery	1							25
August	Farmers & Farm Women	Agricultural Drone technology	1							25
Sept	Farmers & Farm Women	Agricultural Drone technology	1							25
Oct	Farmers & Farm Women	Crop residue management by baler								25
Nov	Farmers & Farm Women	Micro irrigation system	1							25

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Dec	Farmers & Farm Women	Micro irrigation system								25

Vocational Training Programme for Rural Youth:

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										
Horticulture										
September	Rural Youth	Orchard Establishment and Maintanance	07	12	06	18	04	03	07	25
Livestock production										
Home Science										
Plant Protection										
Agriculture Extension (Capacity Building and Group Dynamics)										
Soil Science										
Oct			1							25
Nov			1							25

Training Programme for Extension Functionaries:

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Crop Production										

Month/ Tentative Date	Clientele	Title of the training programme	Duration in days	Number of participants						Grand Total
				Others			Number of SC/ST			
				Male	Female	Total	Male	Female	Total	
Horticulture										
September	RHEO	Orchard Establishment and Maintainenance	07	12	06	18	04	03	07	25
Livestock production										
Home Science										
Plant Protection										
Agriculture Extension (Capacity Building and Group Dynamics)										
Soil Science										

iii) Sponsored Training Programmes

S. No.	Title	Thematic area	*Duration*	Client PF/ RY/ EF	No. of courses	No. of participants							Sponsoring agency
						Male		Female		Total			
						Other	SC/ST	Other	SC/ST	Other	SC/ST	Total	
1													
2													

Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of	Farmers	Extension Officials	Total

	activities	Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	5									500
Kisan Mela	1									1000
Kisan Ghosthi	5									200
Exhibition	5									800
Film Show	10									500
Method Demonstrations	10									1000
Farmers Seminar	4									200
Workshop	12									360
Group meetings	15									200
Lectures delivered as resource persons	15									400
Newspaper coverage	20	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Radio talks	6	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
TV talks	6	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Popular articles	10	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Extension Literature	05	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Advisory Services	104									Mass
Scientific visit to farmers field	100									1000
Farmers visit to KVK	10									500
Diagnostic visits	20									400
Exposure visits	4									200
Ex-trainees Sammelan	2									100
Soil health Camp	1									200
Animal Health Camp	2									100
Agri mobile clinic	-									-
Soil test campaigns	1									50
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	2									50
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	6									100
Others (pl. specify)Swachhata Abhiyan	12									400
Total										

Target for Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety	Quantity (qtl.)
CEREALS	-	-	-
OILSEEDS	Mustard	DRMR 150-35	10.00
PULSES	Black Gram	Indira Urd Pratham	15.00
VEGETABLES	Turmeric	Roma	20.00
	Turmeric	Salem	30.00
	Coriander	CG. Shri chandrahasini Dhaniya-2	2.00
FLOWER CROPS			
OTHERS (Specify)			

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
	Moringa	PKM-1	1000
	Lemon	Konkan seed less	2000
	Citrus	Kagji	1000
	Karonda	Local	60000
	Custard apple	Local	500
	Mango	Indira Nadiraj /Mallika / Amrapalli	2000
	Tamarind	Local	200
	Jamun	Local	500
	Bael	Local	500
	Aonla	Local	300
FOREST SPECIES			
SPICES			
VEGETABLES	Vegetable Seedlings	Tomato, Brinjal, Chilli, Cabbage,Cauliflower ,Onion	50000
ORNAMENTAL CROPS			
PLANTATION CROPS			
Others (specify)	Napier	COBN-5	500000

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIOAGENTS				
1	Trichoderma			
2	*Rhizobium*			
3	*Earthworm*	E. Fetida		100
4	*Compost*			20000
BIOFERTILIZERS				
1	Vermicompost			11000
2	NADEP			6000
3				
BIO PESTICIDES				
1	Dasparni ark			200 L
2	Pesticides			200 L
3				

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			Nos	Kg
Cattle	Milch	Gir	6	5400
SHEEP AND GOAT	Goat	Barberi	6	150
POULTRY	Meat and Egg	Japanese Quail	1000	20000 chicks
FISHERIES	Rohu, Katla, Mrigal	-	-	200
Others (Specify)	-	-	-	-

Literature to be Developed/Published

KVK News Letter :4

Date of start	Periodicity	Number of copies to be published
Jan - Dec	Quarterly	100

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			

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

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	Paraswani	Mahasamund	12 Kms

1. No. of farm families selected per village : 50
2. No. of survey/PRA to be conducted: 01

3.11. Activities of Soil and Water Testing Laboratory

Year of establishment: 2017.

List of equipments purchased:

Sl. No.	Name of the Equipment	Qty.	Condition
1			
2			
3			
4			
5			

Details of samples analyzed so far:

Details	No. of Samples	No. of Farmers (SHC)	No. of Villages	Amount realized
Soil Samples	760	760	40	
Water Samples				
Total				

LINKAGES
Functional linkage with different organizations

Name of organization	Nature of linkage
Dena Bank	To form the SHG and for Providing facilities of loan to the farmers.
NABARD	Providing fund & Subsidy for economically weak farmers. Providing technical support for organic farming and preparation of biopesticides.
State Agriculture Department	Participation in farmers training Programme. Providing subsidy to adopted farmers of the KVK on inputs & equipments Collaboration for organization of Kisan Mela, Field Day, Exhibition, Joint implementation for different programmes ofATMA
State Deptt. of Horticulture	❖ Participation in training programme ❖ Synergy for different government schemes ❖ Provide planting materials
State Deptt. of Veterinary Science,	Training, Visit and arranging jointFeed and fodder production programme and provide the facility of AI and vaccination
C.G. Rajya Krishi Eyam Beej Vikas Nigam Ltd.	To take seed production programme at KVK Farm as well as farmer's field.
IFFCO	Training demonstration and co-operative Sangosthi
State Fisheries Department,	Trainings & demonstration
Zila panchayat	Financial contribution received for infrastructural development viz. Orchard establishment, vegetable nursery, lac cultivation, vermin composed unit, NADEP unit, fish production
IPL & RCF	Training demonstration and Co-Operative Sangosthi
NHB, Gurgoan	Farmer training on Improved horticulture technology to Sansad Adarsh Gram
NFDB Hyderabad	Skill development training on Fish production & management
MGNREGA	Construction of Community ponds,

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

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

Name of Flagship programmes

Modules of NICRA project	Activity details	Targeted Beneficiaries/Area/Coverage
Natural Resource Management (Module –I)	Use of straw baler under Farm mechanization	25
	Awareness Programme on "Role of agriculture implements in mitigating the climate change	50
	Demonstration of line sowing in Mustard crop using seed-cum-ferti drill.	30
	Demonstration of low cost protected cultivation.	25
Crop Production (Module –I)	Awareness programme on importance on role of Pulse crop in resilient farming	25
	Awareness Programme on Plant Protection in Paddy	25
	Awareness Programme on Napier production technology	25
	Introduction of climate resilient variety of Wheat (C.G. Hansa / Kaniksha (CG1029))	25
Livestock and Fisheries (Module –III)	Azolla farming as feed supplement of cattle	50
	Awareness programme on Napier grass production technology	50
	Animal health camp and vaccination	25
	Establishment of backyard poultry Quail/ Kadaknath) unit	25
Exposure visits/Institutional interventions (Module –IV)	Exposure visit to IGKV Kisan mela	25
	Visit to the farm of a progressive farmer.	25
Capacity building programme	Awareness programme on Oyster Mushroom cultivation.	50
	Awareness Programme on Collective marketing	30

Month	Activity Details	Targeted Beneficiary/ Area/Coverage
Jan	Spray of Nano Urea by Drone	50 ha
Feb	Spray of Micro Nutrients/ Insecticides by Drone	50 ha
Sep	Spray of Insecticide/Pesticide by Drone	25 ha
Oct	Spray of Insecticide/Pesticide by Drone	25 ha
Nov	Pre Emergence Weedicide by Drone	50 ha
Dec	Spray of Nano Urea Nano Urea/ Post Emergence Herbicide by Drone	50 ha

Planning for Crop Cafeteria

Total Area of Crop cafeteria: **2000** Sq m

Crop	Season	Variety	Particulars / details	Area (Sq m)
Black Gram	Kharif	Indira Urd Pratham	Duration -75-80 days, Yield-12-14 qt/ha, Yellow Mosaic & powdery mildew resistance	200

Turmeric	Kharif	Roma	Duration – 250-260days Yield-20.70 t/ha, Dry recovery -31% , Curcumin - 9.3 % Oleoresin -13.2%, Essential Oil -4.2%	200
Turmeric	Kharif	Salem	Duration - 250days Yield-18-20 t/ha , Curcumin -4.7 %	200
Ginger	Kharif	Suprabha	Duration - 229days,Yield-16.6 t/ha ,	200
Natural Farming Cowpea + Maize - Wheat	Kharif and Rabi	Cowpea (Kashi kanchan) + Maize (NK-30), Wheat (Ratan)	Comparatative studies under Natural, Organic and Conventional farming	1200
Wheat	Rabi	CG-1023 (C.G. Hansa)	Suitable for cultivation in timely (November) sown with restricted irrigation condition. Excellent chapatti making quality score 8.06. High Zinc Content-40.4PPM. Duration-115-117Day. Yield 40-45qt/ha	120
Wheat	Rabi	CG-1029 (Kanishka)	Excellent chapatti making quality score 8.2.Duration-103-105Day. Yield 50-55 qt/ha. Suitable for MP, C.G. & Rajsthan	120
Wheat	Rabi	CG-1040	-	120
Wheat	Rabi	CG-1044	-	120
Wheat	Rabi	CG-1013 (CG- Genhu -03)	Duration-115-117Day. Yield 55-60 qt/ha. Tolerant to brown & black rust	120
Wheat	Rabi	CG-1036(Vidha)	Cereal Suitable for cultivation in timely (November) sown with restricted irrigation condition. Excellent chapatti making quality score 8.5 Duration-110-114Day. Yield 40-60 qt/ha.	120
Coriander	Rabi	CG- Shri chandrahasini Dhaniya-2	Moderately tolerant to powdery mildew and aphids. Suitable for leafy as well as seed purpose. High volatile oil content (0.47%) Average Yield 18.4qt/ha. Recommended for Chhattisgarh, Rajasthan, Bihar, Uttar Pradesh Madhya Pradesh, Haryana, Gujarat, Uttarakhand, Andhra Pradesh, Telagana, Tamil Nadu.	180

Details of Demonstration Unit at KVK

Demonstration Unit	Particulars /details	Area (Sq m)	Output /Production
Quail Unit	Japanese Quail	369	20000 chicks
Dairy Unit	Cow- Gir	213	5400 lit
Duck cum Fish Unit	Duck- White pekin + Khaki Cambell, Fish- Rohu +Katla + Mrigal	2000	100 Duckling + 200kg 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