DETAILS OF ANNUAL ACTION PLAN OF KVKs DURING
(2026)

Krishi Vigyan Kendra Mahasamund, .

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone	E mail	Website
KVK Mahasamund, Bhalesar, Mahasamund		kvk.mahasamund@igkv.ac.in	www.kvkmahasamundcg.org

1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Telephone	E mail	Website
Indira Gandhi Krishi Vishwavidyalaya Raipur Chhattisgarh		patovc@igkv.ac.in	Igkv.ac.in

1.2.b. Status of KVK website : Running

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) :26743

1.2.d Status of ICT lab at your KVK : NA

1.3. Name of the Programme Coordinator/Head with phone & mobile no.

Name	Telephone / Contact		
	Office	Mobile	Email
Dr. Ram Lakshman Sharma		9424282585	sharmadrrl5@gmail.com

1.4. Year of sanction:

1.5 Staff Position on (31th Dec.2025)

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. Ram Lakshman Verma	Senior Scientist & Head	Horticulture	131400-217100, 161600	02.04.2003	07.07.2025	9424282585	Sharmadrrl5@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	Dr. Ravish Keshri	SMS	Soil & Water Engineering	56100-177500,69000	20.10.14	20.10.14	9425373479	ravishkeshri@gmail.com	

5	Subject Matter Specialist	Dr. Shilpa Lakra	SMS	Agricultural Extension	56100-177500,56100	03.02.2026	03.02.2026	8319278131	Shilpalakra10102gmail.com	
6	Subject Matter Specialist	Dr. Mukhesh Pandey	SMS	Agronomy	56100-177500,56100	03.02.2026	03.02.2026	7974063876	drmukeshkumarpandey@gmail.com	
7	Subject Matter Specialist	Dr. Samrath Baghel	SMS	Genetics & Plant Breeding	56100-177500,56100	04.02.26	04.02.26	9131608892	Samrath0402@gmail.com	
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 Kant 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 DevLal Sahu	AG-2 (Contractual)	-	23350	18.06.2024		8889383249	devlalsahu8@gmail.com	
13	Driver	Mr.Rajesh Markandey	Driver	-	25400	02.04.13	02.04.13	7566000700	kvkmahasamund@gmail.com	
14	Driver	Mr. Rohit Kumar Bandhe	Driver (contractual)		18000	15.03.24	15.03.24	9981310100	rohitbandhe64@gmail.com	
15	Supporting staff	Shri Khayal Das Vaishnav	Messenger	-	26600	04.02.06	04.02.06	9516348175	kvkmahasamund@gmail.com	
16	Supporting staff	Shri Omkar Sahu	Watchman (contractual)	-	14400	08.07.2024	-	8966852407	kvkmahasamund@gmail.com	

1.6 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**

1.7 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
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

C) 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)	-		

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

Sl. No.	Date (Tentative)
1	June 2026

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.

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.

2.4. Area, Production and Productivity of major crops cultivated in the district (2024-25)

Sl. No.	Crops	Area (in ha.)	Production (in MT)	Productivity (in MT per ha.)
1	Fruits	12491	185357	14.84
2	Vegetables	19217	324185	16.87
3	Spices	3067	33277	10.85
4	Flowers	1641	24931	15.19
	Total	**36416**	**567750**	

*** Source: .**

S. No	Crop	2023-24			2024-25		
		Area (ha)	Production (m.t)	Productivity (Qtl /ha)	Area (ha)	Production (m.t)	Productivity (Qtl /ha)
Cereal							
Total Cereal							
Legumes							
Total Legumes							
Oilseed							
Total Oilseed							
Other							

Weather data (Jan, 2025 - Dec., 2025)

Month /Year	Rainfall (mm)	Temperature (^{0} C)	
		Maximum	Minimum
Jan, 2025			
Feb, 2025			
Mar, 2025			
Apr, 2025			
May, 2025			
Jun, 2025			
July, 2025			
Aug., 2025			
Sept, 2025			
Oct, 2025			
Nov, 2025			
Dec, 2025			

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

Category	Population	Production	Productivity
Cattle			
Crossbred/ Indigenous		……. MT.	…… kg
Buffalo		……. MT.	……. kg
Sheep			
Crossbred/ Indigenous		……. MT wool	……. kg
Goats		……. MT	……. kg
Pigs *Crossbred/ Indigenous*		---	---
Rabbits			
Poultry			
Hens		……. Lakh eggs	……. eggs/ bird/yr
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish	…….. (ha)	…….Q/ month	…….. Q/ ha.

Details Details of Operational area / Villages (2026)

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

Crop/Enterprise	Thrust area
Wheat	Integrated Nutrient Management
Rice	To enhance crop productivity and cropping intensity under rainfed and irrigated conditions.
Sugarcane	NA
Maize	Reduction of cost of cultivation of existing major crop enterprises through better management practice
Pulses	Diversification of existing production systems for better profitability.
Oil seed	Diversification of existing production systems for better profitability.
Vegetables	Wastage of vegetable in surplus condition
Fruits	Introduction of community based quality seed and planting material.
Ornamentals	

Entrepreneurship development	Entrepreneurship development of rural youths and woman SHG members

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
14	70	13	119

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
72	1800	15	Mass

Seed Production (Qtl.)	Planting material (Nos.)
10	15000

B. Abstract of interventions to be undertaken

S. No.	Thrust area	Crop/ Enterprise	Identified Problem	Interventions					
				Title of OFT if any	Titl e of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extensi on 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
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								

Detailed Information about OFT: (year-1st/2nd/3rd)

OFT:1

Particulars	Contents
Crop/ Enterprises	Papaya
Year/Season	Kharif 2026
Thematic area	Crop Production
Micro farming situation	
Problem diagnosed	Fruit Drop in Papaya
Title of OFT	Assessment of Micronutrient application in papaya
Type of OFT	(Assessment):
Details of technology identified for solution	T0 No use of Micronutrients T1 T2: Zn 0.5% + B 0.2% at flowering;
Source of technology	IIHR Bangalore
Name of village and No. of farmers	05
Replications	05
Critical inputs	Papaya, Boron, Zinc
Production system	Rainfed
Total Cost	
Observation to be recorded (minimum two parameters other than yield and economics)	Growth parameters, yield and economics etc.
Reaction of the farmers	Feedback of farmers

OFT:2

Particulars	
Crop/ Enterprises	Tomato
Year/Season	Rabi 2026
Thematic area	Crop Production
Micro farming situation	
Problem diagnosed	Fruit Cracking in Tomato
Title of OFT	Assessment of Boron Application for Fruit Cracking in Tomato
Type of OFT	(Assessment/ Refinement):
Details of technology identified for solution	T_0 No Application of Boron T_1 Boron Application
Source of technology	IIVR Varanasi
Name of village and No. of farmers	05
Replications	05
Critical inputs	Tomato & Boron
Production system	Irrigated
Total Cost	
Observation to be recorded	Growth parameters, yield attributes, yield and economics etc.

(minimum two parameters other than yield and economics)	
Reaction of the farmers	Feedback of farmers

OFT:3

Particulars	**Contents**
Crop/ Enterprises	Watermelon
Year/Season	Rabi 2026
Thematic area	Crop Production
Micro farming situation	
Problem diagnosed	Lack of irrigation facilities
Title of OFT	Assessment of Riverbed cultivation of watermelon
Type of OFT	(Assessment/ Refinement):
Details of technology identified for solution	T0 No Riverbed Cultivation T1 Riverbed Cultivation of watermelon
Source of technology	IIVR Varanasi
Name of village and No. of farmers	05
Replications	05
Critical inputs	Watermelon
Production system	Irrigated
Total Cost	
Observation to be recorded (minimum two parameters other than yield and economics)	Growth parameters, yield and economics etc.
Reaction of the farmers	Feedback of farmers

OFT 4 (Year I) (Soil Science)

Particulars	**Contents**
Crop/ Enterprises	Paddy
Year/Season	Kharif 2026
Thematic area	Nutrient management
Micro farming situation	Irrigated Situation
Problem diagnosed	Low crop response by current RDF for yield maximization, P buildup in soil
Title of OFT	Assessment of revisiting recommended dose of fertilizer in Paddy
Type of OFT	**(Assessment/ Refinement):** Assessment
Details of technology identified for solution	**T0 -**Imbalance use of fertilizer (80:57.5:0) **T1 -**100:60:40 (N:P:K) GRDF **T2 -**125% RDF of N, 75% RDF of P, 100% RDF of K, (125:45:40) NPK kg/ha based on STV
Source of technology	IGKV, Raipur
Name of village and No. of	5

farmers	
Replications	5
Critical inputs	Seed, Soil Testing
Production system	Rice- wheat
Total Cost	8000
Observation to be recorded (minimum two parameters other than yield and economics)	**As per study related parameters, Growth parameters, yield attributes, yield and economics etc.** No. of tillers/plant, plant height (cm), Yield (q/h) & B:C ratio
Reaction of the farmers	Feedback of farmers

OFT 5 (Year I) (Soil Science)

Particulars	**Contents**
Crop/ Enterprises	Wheat
Year/Season	Rabi 2026-27
Thematic area	Nutrient management
Micro farming situation	Irrigated Situation
Problem diagnosed	Low crop response by current RDF for yield maximization, P buildup in soil
Title of OFT	Assessment of revisiting recommended dose of fertilizer in Wheat
Type of OFT	**(Assessment/ Refinement):** Assessment
Details of technology identified for solution	T0 -Imbalance use of fertilizer, Dose (75:46:00) NPK kg/ha T1 -100:60:40 (N:P:K) GRDF T2 -125% RDF of N, 75% RDF of P, 100% RDF of K, (125:45:40) NPK kg/ha based on STV
Source of technology	IGKV, Raipur
Name of village and No. of farmers	5
Replications	5
Critical inputs	Seed, Soil Testing
Production system	Rice- wheat
Total Cost	10000
Observation to be recorded (minimum two parameters other than yield and economics)	**As per study related parameters, Growth parameters, yield attributes, yield and economics etc.** No. of panicle/sq. m, Plant height (cm), Yield (q/h) & B:C ratio
Reaction of the farmers	Feedback of farmers

OFT 6: (year-2nd)

Name of Discipline	Agri Engineering
Title of on-farm trial:	Assessment of drone spray technology for cultivation of paddy
Year/Season:	2026 kharif
Farming situation:	Irrigated/rainfed
Problem diagnosis:	Labour, time consuming, health hazard
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-	Insecticide spray by knapsack sprayer
T2 –Recommended Practice-	Insecticide spray by Agri drone
T3- Recommended Practice-	
Date of sowing:	June 2026
Date of harvesting:	November 2026
Source of technology:	ICAR-CIAE, Bhopal
Characteristics of technology:	Time and labour efficient, less water required
Name of Crop/Enterprises:	paddy
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT 7: (year-1st year)

Name of Discipline	Agri Engineering
Title of on-farm trial:	Assessment of drone spray technology for cultivation of wheat
Year/Season:	2025 rabi
Farming situation:	Irrigated
Problem diagnosis:	Labour, time consuming, health hazard
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-	Insecticide spray by knapsack sprayer
T2 –Recommended Practice-	Insecticide spray by Agri drone
T3- Recommended Practice-	
Date of sowing:	December 2025
Date of harvesting:	March 2026
Source of technology:	ICAR-CIAE, Bhopal
Characteristics of technology:	Time and labour efficient, less water required
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	
Recommendations for Deptt. Personnel	
Feedback	

OFT 8 (Year I) (Plant Breeding)

Particulars	Contents
Crop/ Enterprises	Paddy
Year/Season	Kharif 2026
Thematic area	Varietal Replacement
Micro farming situation	Irrigated Situation
Problem diagnosed	Low variety replacement Rate
Title of OFT	Assessment of new varieties (late)
Type of OFT	(Assessment/ Refinement): Assessment
Details of technology identified for solution	Late cultivated variety Swarna to be replaced by TCSM T0= Rajeshwari -IGKV R1 T1= TCSM T2= Swarna T3= Mahamaya
Source of technology	IGKV, Raipur
Name of village and No. of farmers	5
Replications	3
Critical inputs	Seed
Production system	Rice- wheat/Rice-Rice
Total Cost	8000
Observation to be recorded (minimum two parameters other than yield and economics)	As per study related parameters, Growth parameters, yield attributes, yield and economics etc. No. of tillers/plant, plant height (cm), Yield (q/h) & B:C ratio
Reaction of the farmers	Feedback of farmers

OFT 9 (Year I) (Plant Breeding)

Particulars	Contents
Crop/ Enterprises	Safflower
Year/Season	Rabi 2026-27
Thematic area	Varietal replacement
Micro farming situation	Irrigated Situation
Problem diagnosed	Low crop diversification .
Title of OFT	Assessment of safflower variety Chhattisgarh Kusum -2
Type of OFT	(Assessment/ Refinement): Assessment
Details of technology identified for solution	T0= Rice Fallow T1= CG Kusum -2 T2= Lathyrus (Utera) T3= Black Gram
Source of technology	IGKV, Raipur
Name of village and No. of farmers	5
Replications	3
Critical inputs	Seed
Production system	Rice- fellow
Total Cost	10000

Observation to be recorded (minimum two parameters other than yield and economics)	**As per study related parameters, Growth parameters, yield attributes, yield and economics etc.** **Plant height (cm), Yield (q/h)**
Reaction of the farmers	**Feedback of farmers**

OFT 10 (Year I) (Agronomy)

Crop/ Enterprises	**Paddy**
Year/Season	***Kharif* - 2026**
Thematic area	Evaluation of the effect of natural farming practices
Micro farming situation	Irrigated situation
Problem diagnosed	Highly use of fertilizer and limited awareness about natural farming are causing low productivity, poor soil health, and reduced farmer income.
Title of OFT	**Assessment of Natural Farming Practices for Improving Crop Yield and Soil Health**
Type of OFT (Assessment / Refinement)	Assessment
Details of technology identified for solution	· **T1: Farmer's Practice** · **T2: Use of Natural Farming Inputs (Jeevamrit, Beejaamrit, Neemastra** · **T3: 100% RDF**
Source of technology	IGKV, Raipur
Name of village and No. of farmers	5
Replications	5
Critical inputs	Seed and Natural Farming Input
Production system	Rice- Mustrad
Total Cost	**12000**
Observation to be recorded (minimum two parameters other than yield and economics)	1. Soil Nutrient availability & OC, 2. Grain yield (q/ha), Straw yield (q/ha), Net return (₹/ha) 3. B:C ratio and Disease incidence (if any)
Reaction of the farmers	Feedback of farmers

OFT 11 (Year I) (Agronomy)

Crop/ Enterprises	**Paddy**
Year/Season	***Kharif* - 2026**
Thematic area	Varietal assessment for higher yield and adaptability
Micro farming situation	Irrigated situation
Problem diagnosed	**Swarna** giving moderate yield and **farmers seeking alternative high-yielding variety**
Title of OFT	**Assessment of late duration variety as alternative to Swarna**
Type of OFT (Assessment / Refinement)	Assessment
Details of technology identified for solution	**T0 -** Swarna as a Farmers practice – variety with recommended package **T1 -** Trombay Chhattisgarh Sonagathi Mutant variety with same package of practice as a **T0** **T2 – CG** Dhan1919 variety with same management practices as a **T0**
Source of technology	Indira Gandhi Krishi Vishwavidyalaya, Raipur
Name of village /No. of farmers	5
Replications	5
Critical inputs	Seed
Production system	Rice - Pulse
Total Cost	**10000**
Observation to be recorded (minimum two parameters other than yield and economics)	1. Grain yield (q/ha), Straw yield (q/ha), Net return (₹/ha), B:C ratio 2. Disease incidence (if any)

Source of technology	Indira Gandhi Krishi Vishwavidyalaya, Raipur

OFT 12 (Year I) (Agronomy)

Particulars	Contents
Crop/Enterprises	**Mustard**
Variety	**DRMR 150-35**
Year/Season	Rabi 2026-27
Thematic area	Sowing Technology
Micro farming situation	Irrigation
Problem diagnosed	**Poor Crop Establishment in Conventional Sowing.**
Title of OFT	**SYSTEM OF MUSTARD INTENSIFICATION (SMI)**
Type of OFT (Assessment/Refinement)	Assessment
Details of technology identified for Solution	**T0: Farmer Practice – Seed Rate 2 kg/ acre** **T1: Line Sowing – Seed Rate 1 kg/acre** **T2: Transplanting - Seed Rate 200 g / acre**
Source of technology	JNKVV, Raipur
Name of village and No. of farmers	5 villages, 5 farmers each
Replications	5
Critical inputs	Seed (DRMR 150-35)
Production system	Rice-Mustard
Total Cost	₹12000
Observations to be recorded	**Growth and Yield Attributes, Seed Yield and Economics**
Reaction of the farmers	Feedback of farmers

OFT 13 (Year I) (Agronomy)

Particulars	Contents
Crop/Enterprises	**Maize**
Year/Season	Rabi 2026-27
Thematic area	Nutrient Management
Micro farming situation	Irrigated
Problem diagnosed	**Fertilizers are applied in unbalanced ratios to maximize crop yield and productivity within the constraints of the local environment.**
Title of OFT	**Assessment of Integrated Nutrient Management (INM) for Enhanced Performance of *Rabi* Season Maize**
Type of OFT (Assessment/Refinement)	Assessment
Details of technology identified for solution	**T0: Farmer practice** **T1: RDF - 120 : 60 : 40 (split N application)** **T2: RDF – 90 (+30 kg N from FYM/compost) :60:40 + Zn 10 kg/ha**
Source of technology	ICAR
Name of village and No. of farmers	5
Replications	5
Critical inputs	Seed and Micronutrient
Production system	Rice - maize
Total Cost	**12000/-**
Observations to be recorded	• Plant height (cm) & number of leaves, Number of cobs per plant & cob length • 100-grain weight & total yield/plot, Economics (B:C ratio)
Reaction of the farmers	Feedback of farmers

OFT-14 (Ag. Extn)

Particulars	Contents
Crop / Enterprises	Paddy
Year / Season	Kharif 2026
Thematic area	Assessment of knowledge and performance of improved production technology in rice
Micro farming situation	Irrigated situation
Problem diagnosed	Farmers in Mahasamund district have limited knowledge and partial adoption of improved rice production technologies such as recommended seed rate, line transplanting, balanced fertilizer application, and proper plant protection measures, resulting in lower productivity and higher production cost.
Title of OFT	Assessment of knowledge and performance of improved production technology in rice in Mahasamund district
Type of OFT (Assessment / Refinement)	Assessment
Details of technology identified for solution	**T0 – Farmers practice:** Traditional rice cultivation practices including broadcasting or random transplanting, higher seed rate, imbalanced fertilizer use and irregular plant protection measures. **T1 – Improved practice:** Adoption of improved rice production technology including recommended variety, proper seed treatment, line transplanting, recommended seed rate, balanced nutrient management, timely weed and pest management.
Source of technology	Indira Gandhi KrishiVishwavidyalaya, Raipur
Name of village and No. of farmers	5 farmers from selected villages of Mahasamund district
Replications	5
Critical inputs	Quality seed, biofertilizers, micronutrients and plant protection inputs
Production system	Rice – Wheat
Total Cost	₹ 8000
Observation to be recorded (minimum two parameters other than yield and economics)	1. Grain yield qt/ha & B:C ratio 2. Level of knowledge and adoption of improved practices
Reaction of the farmers	Farmers' feedback regarding performance of improved technologies, yield improvement, ease of adoption and willingness to adopt recommended rice production practices in future seasons.

OFT-15 (Ag. Extn)

Particulars	Contents
Crop / Enterprises	Kitchen garden (nutritional garden)
Year / Season	Rabi 2026-27
Thematic area	Nutritional security and income generation through kitchen gardening
Micro farming situation	Homestead/backyard cultivation under irrigated condition
Problem diagnosed	Rural households have limited access to fresh vegetables leading to poor dietary diversity and nutritional deficiency. Farmers also spend money on purchasing vegetables from the market.
Title of OFT	Assessment of nutritional kitchen garden for improving family income and health in Mahasamund district
Type of OFT (Assessment / Refinement)	Assessment
Details of technology identified for solution	**T0 – Farmers practice:** No organized kitchen garden; vegetables purchased from market or grown seasonally in small area. **T1 – Improved practice:** Year-round nutritional kitchen garden with seasonal vegetable crops (okra, cowpea, bottle gourd, tomato, leafy vegetables etc.) using improved varieties and organic nutrient management.
Source of technology	Indira Gandhi KrishiVishwavidyalaya, Raipur
Name of village and No. of farmers	5 farm women/households from selected villages of Mahasamund district
Replications	5
Critical inputs	Vegetable seeds, organic manure, biofertilizers, and basic garden tools
Production system	Integrated farming system with backyard vegetable cultivation
Total Cost	₹ 8000
Observation to be recorded (minimum two parameters other than yield and economics)	1. Number of vegetable crops grown in a season 2. Total vegetable production (kg/year) 3. consumption pattern.4. B:C ratio 5.. Improvement in household dietary diversity.
Reaction of the farmers	Feedback from farm women regarding improvement in family nutrition, reduction in vegetable purchase cost, additional income from surplus produce, and willingness to continue kitchen gardening.

Information about Extension OFT:

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

Results / findings

Performance indicators/ parameters	Unit/ details

Information about Home Science OFT:

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

Frontline Demonstrations

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

Discipline: Horticulture

Sl. No.	Season	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Area (ha)/ No.	No. of farmers/ demon.	Parameters identified
	Zaid								
	Kharif 2026	Colocassia	Indira Arbi-2	Crop Production	Colocassia Improved variety Indira Arbi-2	Seed	0.4	5	Yield (q/ha) B:C ratio
	Rabi 2026	Onion	Agrifound Dark Red	Weed Management	Chemical weed Management	Onion & Chemical	0.4	5	Yield (q/ha) B:C ratio
	Kharif & Rabi 2026 (Round the year)	Vegetables & Fruits	Improved varieties	Crop Production	Nutrition Garden	Seeds & Planting Material	0.2	10	Yield (q/ha) B:C ratio

Discipline: Soil Science

Sl. No.	Season	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Area (ha)/ No.	No. of farmers/ demon.	Parameters identified
	Zaid								
	Kharif	Black Gram	Indira Urad Pratham	INM	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.	Seed, Biofertilizer	4.8	12	Number of pod/plant, yield (q/h) & B:C ratio
	Rabi	Lathyrus	Mahatidwa/ Prateek	INM	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	Seed, Biofertilizer, Liquid Fertilizer	4.8	12	1. Plant height 2. Plant root growth observation 3. Root nodule /plant 4. yield q./ha 5. B:C Ratio

Discipline: Agricultural Engineering

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	Paddy	Farm mechanization	Baler	-	kharif/rabi 2026	5	6	Field capacity, h/hr No. of bale/ha
2	Wheat	Farm mechanization	Seed cum fertilizer drill	-	Rabi 2026	5	6	Field capacity, h/hr, yield, B:C ratio
3								
4								

Discipline : Genetics Plant Breeding

Sl. No.	Season	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Area (ha)/ No.	No. of farmers/ demon.	Parameters identified
1	Kharif 2026	Rice	TCVM	Varietal Evaluation	1. Improved variety (TCVM) 2. Assessment of Aroma and eating and cooking traits (ECQ)	Seed	4.8	12	Yield and Quality.
2	Rabi 2026-27	Safflower	IGKV Kusum	Varietal Evaluation	1.Improved variety (IGKV Kusum) 2 Evaluation of the oil content (%)	Seed,	4.8	12	1. Yield & Oil content

Discipline : Agronomy

Sl. No.	Season	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs	Area (ha)/ No.	No. of farmers/ demon.	Parameters identified
1	Kharif	Arahar	CG Arhar 2	INM	1. Improved variety: CG Arhar 2 2. Full-package natural farming: Beejamrit seed treatment, Ghanjeevamrit soil application, Jeevamrit foliar spray 3–4 times, Agniastra + Brahmastra use in soil drenching	Seed, Biofertilizers, Ghanjeevamrit, Beejamrit, Jeevamrit, Agniastra, Brahmastra,	4.8	12	- Number of pods/plant - Plant height (cm) - 100-seed weight - Yield (q/ha) - B:C ratio
2	Rabi	Groundnut	Kadari Lepakchhi	Nutrient Management	Soil test-based nutrient application	Seed, Bio fertilizers and	4.8	12	Plant height (cm), Number of pods/plant, 100-

					2. Integrated use of organic manures and bio fertilizers 3. Foliar sprays of micronutrients (Zn, Fe, B) as per the need	micronutrients			seed weight, Pod yield (q/ha) and B:C ratio

Discipline:Ag Extn.

Sl. No.	Season	Thematic area	Technology for demonstration	Critical inputs	Area (ha)	No. of farmers/ demonstration	Parameters identified for performanc evaluation
1.	Zaid						
2.	Kharif 2026	Organic farming and waste management	Low-Cost Vermicompost Production Technology for Income Generation.	-	-	10	1.Quantity of vermicompost pro (kg/unit) 2.Cost of production (Rs.) 3.Income generated (Rs.) 4. Improvement in soil health and crop y
3.	Rabi 2026-27	Post-Harvest Management and Market Linkage.	**Collective Aggregation and Marketing Strategy** via Farmer Producer Organization.	-	-	5	1. Price realized per unit (Rs/kg). 2. Reduction in transportation/marketing (%). 3. Increase in net profit per farmer.

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								
2								
3								
4								

Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	1	February	30
2	Farmers Training			
3	Media coverage			
4	Training for extension functionaries			

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

**Field efficiency, labour saving etc.*

Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Critical inputs	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated	
						Demo.	Local check

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

Other Enterprises

Enterprise	Variety/ breed/Species /others	No. of farmers	No. of Units/ area	Critical inputs	Performance parameters/ indicators	Data on parameter in relation to technology demonstrated	
						Demo.	Local check

Training (Including the sponsored and FLD training programmes):

A) ON Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1						25	
Resource Conservation Technologies	1						25	
Cropping Systems	1						25	
Crop Diversification	1						25	
Integrated Farming	1						25	
Water management	1						25	
Seed production	4						100	
Nursery management	1						25	
Integrated Crop Management	1						25	
Fodder production	1						25	
Production of organic inputs	1						25	
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising								
Exotic vegetables like Broccoli								
Export potential vegetables								
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)								
b) Fruits								
Training and Pruning								
Layout and Management of Orchards								
Cultivation of Fruit								
Management of young plants/orchards								
Rejuvenation of old orchards								
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques								
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								

Production and Management technology								
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post- harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1							25
Soil and Water Conservation	1							25
Integrated Nutrient Management	1							25
Production and use of organic inputs	1							25
Management of Problematic soils	1							25
Micro nutrient deficiency in crops	1							25
Nutrient Use Efficiency	1							25
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
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								
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems								
Use of Plastics in farming practices	1							25
Production of small tools and implements	1							25
Repair and maintenance of farm machinery and implements	1							25
Small scale processing and value addition	1							25
Post Harvest Technology								
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								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
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	1							25
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs	2							50
Integrated Farming (Medicinal)								
Planting material production								

Vermi-culture	2							50
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production								
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Any other (SHGs)								
Any other (Group dgnamics and farmers organization)								
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization	1							25
Information networking among farmers	1							25
Capacity building for ICT application	1							25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								

Household food security								
Women and Child care	1							25
Low cost and nutrient efficient diet designing	1							25
Production and use of organic inputs								
Gender mainstreaming through SHGs	1							25
Seed production of vegetables	1							25
TOTAL								
G. Total								

B) OFF Campus

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	1							25
Resource Conservation Technologies	1							25
Cropping Systems	1							25
Crop Diversification	1							25
Integrated Farming	1							25
Water management	2							50
Seed production	1							25
Nursery management	1							25
Integrated Crop Management	1							25
Fodder production	1							25
Production of organic inputs	2							50
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	02	02						50
Exotic vegetables like Broccoli								
Export potential vegetables	02	02						50
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	02	02						50
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	02	02						50
Cultivation of Fruit	02	02						50
Management of young plants/orchards	02	02						50
Rejuvenation of old orchards	02	02						50
Export potential fruits								
Micro irrigation systems of orchards								
Plant propagation techniques	02	02						50
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								

Production and Management technology	02	02						50
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post- harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	1							25
Soil and Water Conservation	1							25
Integrated Nutrient Management	1							25
Production and use of organic inputs	1							25
Management of Problematic soils	1							25
Micro nutrient deficiency in crops	1							25
Nutrient Use Efficiency	1							25
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1							25
Design and development of low/minimum cost diet	1							25
Designing and development for high nutrient efficiency diet	1							25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs								
Storage loss minimization techniques								
Value addition	1							25
Income generation activities for empowerment of rural Women								
Location specific drudgery reduction technologies								
Rural Crafts								
Women and child care	1							25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	2							50
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	3							75
Small scale processing and value addition								
Post Harvest Technology	5							125
Natural resource management	2							50
Agri drone technology								
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								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								

Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
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	1							25
XI Agro-forestry								
Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming								
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture								
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production	01							28
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Any other (SHGs)								
Any other (Group dgnamics and farmers organization)								
TOTAL								
(C) Extension Personnel								
Productivity enhancement in field crops								
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards	01	01						25
Protected cultivation technology								
Formation and Management of SHGs								

Group Dynamics and farmers organization								
Information networking among farmers								
Capacity building for ICT application								
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security								
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs								
Seed production of vegetables								
TOTAL								
G. Total								

C) Consolidated table (ON and OFF Campus)

Thematic Area	No. of Courses	No. of Participants						
		Others			SC/ST			Grand Total
		Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women								
I Crop Production								
Weed Management	2							50
Resource Conservation Technologies	2							50
Cropping Systems	2							50
Crop Diversification	2							50
Integrated Farming	2							50
Water management	2							50
Seed production	4							100
Nursery management	2							50
Integrated Crop Management	2							50
Fodder production	2							50
Production of organic inputs	4							100
II Horticulture								
a) Vegetable Crops								
Production of low volume and high value crops								
Off-season vegetables								
Nursery raising	02	02						50
Exotic vegetables like Broccoli								
Export potential vegetables	02	02						50
Grading and standardization								
Protective cultivation (Green Houses, Shade Net etc.)	02	02						50
b) Fruits								
Training and Pruning								
Layout and Management of Orchards	02	02						50
Cultivation of Fruit	02	02						50
Management of young plants/orchards	02	02						50
Rejuvenation of old orchards	02	02						50
Export potential fruits								

Micro irrigation systems of orchards								
Plant propagation techniques	02	02						50
c) Ornamental Plants								
Nursery Management								
Management of potted plants								
Export potential of ornamental plants								
Propagation techniques of Ornamental Plants								
d) Plantation crops								
Production and Management technology								
Processing and value addition								
e) Tuber crops								
Production and Management technology								
Processing and value addition								
f) Spices								
Production and Management technology	02	02						50
Processing and value addition								
g) Medicinal and Aromatic Plants								
Nursery management								
Production and management technology								
Post- harvest technology and value addition								
III Soil Health and Fertility Management								
Soil fertility management	2							50
Soil and Water Conservation	2							50
Integrated Nutrient Management	2							50
Production and use of organic inputs	2							50
Management of Problematic soils	2							50
Micro nutrient deficiency in crops	2							50
Nutrient Use Efficiency	2							50
Soil and Water Testing								
IV Livestock Production and Management								
Dairy Management								
Poultry Management								
Piggery Management								
Rabbit Management/goat								
Disease Management								
Feed management								
Production of quality animal products								
V Home Science/Women empowerment								
Household food security by kitchen gardening and nutrition gardening	1							25
Design and development of low/minimum cost diet	1							25
Designing and development for high nutrient efficiency diet	1							25
Minimization of nutrient loss in processing								
Gender mainstreaming through SHGs	1							25
Storage loss minimization techniques								
Value addition	1							25
Income generation activities for empowerment of rural Women	1							25
Location specific drudgery reduction technologies								

Rural Crafts								
Women and child care	1							25
VI Agril. Engineering								
Installation and maintenance of micro irrigation systems	2							50
Use of Plastics in farming practices								
Production of small tools and implements								
Repair and maintenance of farm machinery and implements	3							75
Small scale processing and value addition								
Post Harvest Technology	5							125
Natural resource management	2							50
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								
Integrated fish farming								
Carp breeding and hatchery management								
Carp fry and fingerling rearing								
Composite fish culture								
Hatchery management and culture of freshwater prawn								
Breeding and culture of ornamental fishes								
Portable plastic carp hatchery								
Pen culture of fish and prawn								
Shrimp farming								
Edible oyster farming								
Pearl culture								
Fish processing and value addition								
IX Production of Inputs at site								
Seed Production								
Planting material production								
Bio-agents production								
Bio-pesticides production								
Bio-fertilizer production								
Vermi-compost production								
Organic manures production								
Production of fry and fingerlings								
Production of Bee-colonies and wax sheets								
Small tools and implements								
Production of livestock feed and fodder								
Production of Fish feed								
X Capacity Building and Group Dynamics								
Leadership development								
Group dynamics	2							50
Formation and Management of SHGs	2							50
Mobilization of social capital	2							50
Entrepreneurial development of farmers/youths	2							50
WTO and IPR issues	2							50
XI Agro-forestry	2							50

Production technologies								
Nursery management								
Integrated Farming Systems								
XII Others (Pl. Specify)								
TOTAL								
(B) RURAL YOUTH								
Mushroom Production								
Bee-keeping								
Integrated farming	1							25
Seed production								
Production of organic inputs								
Integrated Farming (Medicinal)								
Planting material production								
Vermi-culture	1							25
Sericulture								
Protected cultivation of vegetable crops								
Commercial fruit production	01							28
Repair and maintenance of farm machinery and implements								
Nursery Management of Horticulture crops								
Training and pruning of orchards								
Value addition								
Production of quality animal products								
Dairying								
Sheep and goat rearing								
Quail farming								
Piggery								
Rabbit farming								
Poultry production								
Ornamental fisheries								
Para vets								
Para extension workers								
Composite fish culture								
Freshwater prawn culture								
Shrimp farming								
Pearl culture								
Cold water fisheries								
Fish harvest and processing technology								
Fry and fingerling rearing								
Small scale processing								
Post Harvest Technology								
Tailoring and Stitching								
Rural Crafts								
Any other (SHGs)								
Any other (Group dgnamics and farmers organization)								
TOTAL								
(C) Extension Personnel								

Productivity enhancement in field crops	1							25
Integrated Pest Management								
Integrated Nutrient management								
Rejuvenation of old orchards								
Protected cultivation technology								
Formation and Management of SHGs								
Group Dynamics and farmers organization	1							25
Information networking among farmers	1							25
Capacity building for ICT application	1							25
Care and maintenance of farm machinery and implements								
WTO and IPR issues								
Management in farm animals								
Livestock feed and fodder production								
Household food security	1							25
Women and Child care								
Low cost and nutrient efficient diet designing								
Production and use of organic inputs								
Gender mainstreaming through SHGs	1							25
Seed production of vegetables								
TOTAL								
G. Total								

Details of training programmes attached in **Annexure -I**

3.4. 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									250
Kisan Mela	1									200
Kisan Ghosthi	5									150
Exhibition	5									250
Lectures delivered as resource persons	12									400
Newspaper coverage	20									Mass
Extension Literature	05									Mass
Advisory Services	52									10000
Scientific visit to farmers field	60									120
Farmers visit to KVK	10									1000
Diagnostic visits	10									50
Exposure visits	2									100
Ex-trainees Sammelan	1									30
Soil health Camp	1									100
Celebration of important days (specify)	6									100
World Food Day	1									50
Women in Agriculture Day	1									50
World Environment Day	1									50
Kisan Diwas	1									50
KVK Foundation Day	1									50
Total										

3.5 Target for Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety	Quantity (qtl.)
CEREALS	-	-	-
OILSEEDS	Mustard	BPM-11	6.00
PULSES	Black Gram	Indira Urd Pratham	12.00
VEGETABLES			
FLOWER CROPS			
OTHERS (Specify)			

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)
FRUITS			
	Moringa	PKM-1	10000
	Lemon	Konkan seed less	500
	Mango	Indira Nadiraj /Mallika / Amrapalli	1000
	Karonda	Local	20000
	Mango	Local	3000
	Guvava	Alahabad Safeda / L-49	3000
	Lime	Kagji	2000
	Bael	Local	2000
	Jamun	Local	5000
	Aonla	Local	5000
FOREST SPECIES			
SPICES			
VEGETABLES	Vegetable Seedlings	Tomato, Brinjal, Chilli, Cabbage,Cauliflower ,Onion	5000
ORNAMENTAL CROPS			
PLANTATION CROPS			
Others (specify)	Napier	COBN-5	100000

BIO-PRODUCTS

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIO PESTICIDES				
1				
2				

LIVESTOCK

Sl. No.	Type	Breed	Quantity	
			Nos	Kg
Cattle	Milch	Gir	6	6570(Milk Lit)
SHEEP AND GOAT	Goat	Barberi	8	120 (Meat Kg)
POULTRY	Meat and Egg	Japanese Quail	500	20000 chicks
FISHERIES	Fish (Meat)	Rohu, Katla, Mrigal	-	100Kg Fish
Others (Specify)	Duck	Khaki Cambell	20	100 duckling

Planning for Crop Cafeteria

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

Crop	Season	Variety	Area (Sq m)
Black Gram	Kharif	Indira Urd Pratham	300
Pigeon Pea	Kharif	CG- Arhar-2	300
Jwar (Shorghum)	Kharif	CSH-24MF (Fodder)	300
Bajra (Perl Millet)	Kharif	Fodder	300
Maize	Kharif	Hybrid Maize (Fodder)	300
Cowpea	Kharif	Chara Barbatti	200
Napier	Kharif	COBN -4	300
Mustard	Rabi	BPM-11	300
Coriander	Rabi	CG- Shri chandrahasini Dhaniya-2	300
Oat (Fodder)	Rabi	OC-10	300
Berseem	Rabi	BL-43	300
Lusern	Rabi	Fodder	200

Details of Demonstration Unit at KVK

Demonstration Unit	Particulars /details	Area (Sq m)	Output /Production
Quail Unit	Japanese Quail	369	20000chick
Dairy Unit	Cow- Gir	213	6570 lit
Duck cum Fish Unit	Duck- White pekin + Khaki Cambell, Fish- Rohu +Katla + Mrigal	2000	100 duckling + 70kg fish
Vermicompost Unit	28 nos.Vermicompost tank	545	546 qt. Vermi compost
Azola Unit	Azola Pinata , 40 nos. tank	286	3.6 t per year
Hydroponics Fodder Unit	Green Fodder production round the year	5	8qt green fodder
Nutritional Garden	Fruits & Vegetable availability for a family round the year	200	2-3 kg per day

3.6 Literature to be Developed/Published

(A) KVK News Letter :
Date of start :
Number of copies to be published :

(B) Literature developed/published

S.No.	Topic	No.	Name of Journal/literature
1	Research paper by each scientist	4	
2	Technical reports		
3	News letters	4	
4	Training manual all discipline		
5	Popular article	2	
6	Extension literature		
	Total		

(C) Details of Electronic Media to be Produced

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

3.7. Success stories/Case studies identified for development as a case. (5 by each KVK)
a. Brief introduction
b. Interventions
c. Output
d. Outcomes
e. Impact
i) Social economic
ii) Bio-Physical
f. Good Action Photographs

3.8 Indicate the specific training need analysis tools/methodology followed for Practicing Farmers
a)
b)
Rural Youth
a)
In-service personnel
a)

3.9 Indicate the methodology for identifying OFTs/FLDs
For OFT:
i)
For FLD:
i)

3.10 Field activities
i. Name of villages identified/adopted with block name (from which year) -
ii. No. of farm families selected per village :

iii. No. of survey/PRA conducted :
iv. No. of technologies taken to the adopted villages
v. Name of the technologies found suitable by the farmers of the adopted villages:
vi. Impact (production, income, employment, area/technological– horizontal/vertical)
vii. Constraints if any in the continued application of these improved technologies

3.11. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab: No

3.111. Year of establishment :

3.112. List of equipments purchase with amount

Sl. No.	Name of the equipment	Quantity	Cost (Rs)
1			

3.113. Targets of samples for analysis:

Details	No. of Samples	No. of Farmers	No. of Villages	Amount to be realized
Soil Samples				
Water				
Plant				
Total				

4. LINKAGES

4.1 Functional linkage with different organizations

Name of organization	Nature of linkage

4.2 Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes/No

S. No.	Programme	Nature of linkage
1		
2		

4.3 Give details of programmes under National Horticultural Mission

S. No.	Programme	Nature of linkage
1		
2		

4.4 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage
1		
2		

5. Utilization of hostel facilities

S. No.	Programme	No. of days
1		
	Total	

6. Convergence with departments:

7.1. Details of the programmes being implemented by your KVK in partnership with other institution

S. No.	Name of Programme	Main Institution (IARI, DBT, DST, UPCAR, etc.)	Duration	Budget (in lakh)

7.2. Brief achievements of above collaborative programmes

S. No.	Name of Programme	Salient achievement	Impact of the programme
1			

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

Name of Flagship programmes

Month	Activity details	Targeted Beneficiaries/Area/Coverage

Annexure - I

Training Programme

i) Farmers & Farm women (On Campus)

Date	Clientele	Title of the training programme	Duration in days	Number of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
Crop Production										
Horticulture										
Livestock prod.										
Home Sc.										
Plant protection.										
Soil Health										
Agril. Extn.										

i) Farmers & Farm women (Off Campus)

Month	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	G. Total
Crop Production										
Horticulture										
Live Stock Production.										
Home Sc.										
Plant Protection										
Agril. Extn.										

ii) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Month	Duration (days)	No. of Participants			SC/ST participants			G.Total
					M	F	T	M	F	T	

iii) Training programme for extension functionaries

Month	Clientele	Title of the training programme	Duration in days	No. of participants			Number of SC/ST			G. Total
				M	F	T	M	F	T	
On Campus										

iv) Sponsored programme

Discipline	Sponsoring agency	Clientele	Title of the training programme	No. of course	No. of participants			Number of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored training progdramme											
b) Sponsored research programme											
			Total								
c) Any special programmes											
			Total								

Annexure -II

Proceedings of Scientific Advisory Committee Meeting

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
7	35	7	72

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
34	800	26	Mass

Seed Production (Qtl.)	Planting material (Nos.)
18	156000