

ANNUAL PROGRESS REPORT

January 2022 to December 2022

ANNUAL Progress Report 2022

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.2022)

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
1	Programme Coordinator	Dr. Satish Kumar Verma	Senior Scientist & Head	Horticulture	131400-217100, 161600	22.09.12	04.10.14	942421426	skvhort2014@gmail.com
2	Subject Matter Specialist	Dr. Saket Dubey	SMS	Horticulture	56100-177500, 73200	06.09.12	07.04.15	8817551202	saketdubey_horti@rediffmail.com
3	Subject Matter Specialist	Dr. Arvind Kumar Nandanwar	SMS	LPM	56100-177500, 73200	24.09.12	01.10.18	9993544995	arvind.nandanwar@gmail.com
4	Subject Matter Specialist	Shri Kunal Chandrakar	SMS	Soil Science	56100-177500, 65000	16.09.14	10.08.15	9754377591	kunal1586@gmail.com
5	Subject Matter Specialist	Mrs. Rajni Dharmendra Agashe	SMS	Agricultural Extension	56100-177500, 65000	22.09.14	12.10.20	7389325085	rajniagashe@gmail.com
6	Subject Matter Specialist	Er. Ravish Keshri	SMS	Soil & Water Engineering	56100-177500, 69000	20.10.14	20.10.14	9425373479	ravishkeshri@gmail.com
7	Subject Matter Specialist	Vacant	SMS	-	-	-	-	-	-
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	Shri B. P. Dhruw	Driver	-	49000	-	20.12.05	7697759028	kvkmahasamund@gmail.com
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	-	-	-	-	-	-

B) Vehicles

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

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

KVK Name	Date of SAC meeting 2022	No. of SAC members (only) attended	Major action points*
Mahasamund	08-08-22	38	Promotion of improved technology as per need of farmers in the district for doubling farmers income

2. DETAILS OF DISTRICT

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

S. No.	Farming system/enterprise	Description
1	AES – 1(Mahasamund &	Rainfall, mm - 1434

	Bagbahra block)	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	Bhata soil (Entisol)	Sandy, light and shallow	58438 (20.95%)
2	Matasi soil (Inceptisol)	Sandy Loam, medium shallow deep	107547 (38.56%)
3	Dorsa soil (Alfisol)	Clay loam, heaver deep	59667 (21.39 %)
4	Kanhar soil (Vertisol)	Clayey heaver deep	53250 (19.09 %)

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

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

S. No	Crop	Area (ha)	Production (Qt.)	Productivity (Q /ha)
1	Fruits	12375	184185	14.88
2	Vegetables	17047	297923	17.47
3	Spices	5011	56047	11.18
4	Flowers	1628	24427	15.00

Weather data (Jan, 2022- Dec., 2022)

Month /Year	Rainfall (m.m.)	Temperature (° C)	
		Maximum	Minimum
Jan, 22	6.4	30.0	7.0
Feb, 22	7.0	34.0	8.5
Mar, 22	0.0	41.0	15.0
Apr, 22	5.6	44.5	20.5
May, 22	2.5	44.8	20.0
Jun, 22	2.8	46.5	23.0
July, 2022	48.2	35.5	24.8
Aug., 2022	111.0	24.2	23.2
Sept., 2022	29.8	34.4	23.8
Oct. 2022	22.0	33.5	15.0
Nov. 2022	0.0	33.5	10.0
Dec. 2022	0.0	32.5	8.2

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred/ Indigenous</i>	3.05 Lakh	71.98 MT.	kg
Buffalo	21813	14.9 MT.	 kg
Sheep			
<i>Crossbred/ Indigenous</i>	15970	0.167 MT wool	 kg
Goats	1.23 L	2.91 MT	 kg
Pigs <i>Crossbred/ Indigenous</i>	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 (2022)

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

Priority / Thrust areas

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

TECHNICAL PROGRAMME
A. Details of targeted mandatory activities by KVK

OFT		FLD and CFLD	
1		2	
Number of OFTs	Number of Farmers	Number of FLDs	Number of Farmers
10	90	15	131

Training		Extension Activities	
3		4	
Number of Courses	Number of Participants	Number of activities	Number of participants
52	1842	2241	7211

Seed Production (Qtl.)	Planting material (Nos.)
56.96	28391

B. Abstract of interventions undertaken

S. N o.	Thrust area	Crop/ Enterp rise	Identified Problem	Interventions					
				Title of OFT	Titl e of FLD	Title of Train ing	Title of trainin g for exten sion perso nnel	Exten sion activit ies	Suppl y of seeds , planti ng mater ials etc.
1	Less awareness about improved variety and Organic farming	Paddy	Farmers are needed suitable variety for upland condition & low yield under traditional broadcasting method	Assesement of Vikram-TCR Vareity with organic source of nutrients by DSR sowing method in Rainfed Areas of Mahasamund District		-	-	-	-
2	Less awareness about improved variety and Organic farming	Paddy	Farmers are needed suitable variety for upland condition & low yield under traditional broadcasting method	Assesment of CG Devbhog Vairty of Rice under Lowland Condition		-	-	-	-
3	Less awareness about improved variety and Organic farming	Wheat	Farmers are needed suitable variety of wheat under late sown irrigated conditions	Assesement of CG 1023 (Chhattisgarh Hansa) variety of wheat with organic source of nutrients by criss- cross sowing method in Irrigated areas of Mahasamund District		-	-	-	-
4	Less awareness about improved variety and Organic farming	Sesamu m	Farmers are needed suitable Rice fellow organic farming system	Assesement of Sesamum crop under long duration Rice-Fellow System		-	-	-	-
5	Less	Black	More Weed		Demonstration of Pre	-	-	-	-

	Awareness about use of pre and post emergence weedicide	Gram	infestation in Kharif Season		and Post-emergence Weedicide for weed management in Black gram				
6	Less Awareness about use of pre and post emergence weedicide	Pigeon pea	More Weed infestation in Kharif Season		Demonstration of Pre and Post-emergence Weedicide for weed management in Kharif Pigeon pea	-	--	-	-
7	Less Awareness about use of pre and post emergence weedicide	Green Gram	More Weed infestation in Kharif Season		Demonstration of Pre and Post-emergence Weedicide for weed management in summer Green gram	-	-	-	-
8	Less Awareness about Natural Farming	Lathyrus	Low productivity in utera sowing of lathyrus due to nutrient management		Demonstration of lathyrus crop under utera system with natural farming component (Beejamrit+Ghanjeev amrit+Jeevamrit+Nee mashtra)	-	-	-	-
9	Inregated Nurient Management	Lathyrus	Low yiled due to no application of INM		Demonstration on improved Utera (Relay Cropping) technique in Lathyrus	improved Utera (Relay Cropping) technique in Lathyrus	-	-	-
10	Farm mechanization	Paddy	Low yield, problem of labour	Assessment of row transplantation of paddy by paddy transplanter,	-	-	-	-	-
11	Farm mechanization	-	Delay in para collection, burning, higher cost of para collection	Assessment of paddy crop residue management by tractor operated Baler	-	-	-	-	-
12	Farm mechanization	Paddy	High seed rate, Low yield	-	Line sowing of paddy by Seed cum fertilizer drill	-	-	-	-
13	Farm mechanization	chickpea	Low yield, problem of labour		Seed cum fertilizer drill for line sowing of chickpea	-	-	-	-

Technologies assessed

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Farm Mechanization	2									
TOTAL										

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
TOTAL								

Detailed Information about OFT:

OFT 01

Name of Discipline (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agricultural Engineering
Title of on-farm trial:	Assessment of row transplantation of paddy by paddy transplanter
Year/Season:	2022 Kharif
Farming situation:	Irrigated
Problem diagnosis:	Less efficiency, problems of labour, non uniformity in transplanting
Thematic area:	Farm Mechanization
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-	Manual transplanting by farm labour
T2 –Recommended Practice-	Transplanting by paddy transplanter
T3- Recommended Practice-	-
Date of sowing:	15.07.21
Date of harvesting:	20.11.21
Source of technology:	IGKVV Raipur
Characteristics of technology:	Line Transplanting
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Adopt line transplanting if implement available
Recommendations for Deptt. Personnel	Promote line transplanting and make it convenient for timely available of implements
Feedback	

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	Kg/ha	56.85	52400	118905	66505	2.27
T2(Recommended Practice)	yield	Kg/ha	63.25	45800	127225	81425	2.78

OFT 02

Name of Discipline (like Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agri Engineering
Title of on-farm trial:	Assessment of paddy crop residue management by tractor operated Baler
Year/Season:	Kharif/Rabi
Farming situation:	Irrigated
Problem diagnosis:	Timely crop residue management problem delay rabi crop, burning of crop residue create pollution and destroy soil micro organism
Thematic area:	Farm Mechanization
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-	Manual collection/Burning of paddy crop residue after harvesting of paddy
T2 –Recommended Practice-	Para collection and bundling by tractor operated Baler
T3- Recommended Practice-	-
Date of sowing:	NA
Date of harvesting:	NA
Source of technology:	CIAE Bhopal
Characteristics of technology:	Crop Residue Management
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Para collection by baler will help in timely sowing of rabi crops
Recommendations for Deptt. Personnel	Promote this technology to reduce crop residue burning
Feedback	

Details of	Parameter	Unit of	Result	Average	Average	Average	Benefit-Cost
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technology	Name	Parameter		Cost of operation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Field capacity	Ha/hr	0.04	3750	-	-	-
T2 (Recommended Practice)	Field capacity	Ha/hr	0.33	3750	-	-	-

OFT 03

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
Title of on-farm trial:	Assesement of Vikram-TCR Vareity with organic source of nutrient by DSR sowing method in Rainfed Areas of Mahasamund District
Year/Season:	Kharif 2022
Farming situation:	Rainfed
Problem diagnosis:	Farmers are needed suitable variety for upland condition & low yield under traditional broadcasting method
Thematic area:	Organic farming
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assesement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are continuously grown ten year old varieties by traditional method
T2 –Recommended Practice-	Vikram-TCR variety +Pseudomonas florescence + DSR sowing method + Nutrient applied through Organic source (FYM 75% + Vermicompost 25%) and pest control by Biopesticide
T3- Recommended Practice-	
Date of sowing:	1 st week of July
Date of harvesting:	2 nd week of November
Source of technology:	IGKV, Raipur
Characteristics of technology:	Medium maturing variety, suitable for upland rainfed condition
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	Farmers are very much happy and ready to adopt the variety because this variety is suitable for DSR method under rainfed condition

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha	52.0	29526	111875	82349	3.78
T2(Recommended Practice)	yield	q/ha	59.8	31637	121625	89988	3.84
T3(Recommended Practice)							

OFT 04

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
Title of on-farm trial:	Assesement of Devbhog Sugandhit Variety of Rice under lowland condition
Year/Season:	Kharif 2022
Farming situation:	Rainfed
Problem diagnosis:	Farmers are needed suitable rice scented variety for low land condition
Thematic area:	Organic farming
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assesement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are continuously grown ten year old varieties by traditional method
T2 –Recommended Practice-	Devbhog Sugandhit Varierty +Pseudomonas florescence + TP method + Nutrient applied through Organic source (FYM 75% + Vermicompost 25%) and pest control by Biopesticide
T3- Recommended Practice-	
Date of sowing:	4 th week of July
Date of harvesting:	2 nd week of December
Source of technology:	IGKV, Raipur
Characteristics of technology:	Medium maturing variety, suitable for lowland condition
Name of Crop/Enterprises:	Paddy
Recommendations for Farmers	Recommended
Recommendations for Deptt. Personnel	Recommended
Feedback	Farmers are very much happy and ready to adopt the variety because this variety is suitable for lowland condition

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation	Average Gross Return	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return /
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				(Rs/ha)	(Rs/ha)		Gross Cost)
T1 (Farmers Practice)	yield	q/ha	62.4	35328	124875	89547	3.53
T2(Recommended Practice)	yield	q/ha	73.54	37439	138800	101361	3.70
T3(Recommended Practice)							

OFT 05

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
Title of on-farm trial:	Assesement of CG 1023 (Chhattisgarh Hansa) variety of wheat with organic source of nutrients by criss-cross sowing method in Irrigated areas of Mahasamund District
Year/Season:	Rabi 2022-23
Farming situation:	Irrigated
Problem diagnosis:	Farmers are needed high yielding suitable variety of wheat under irrigated conditions
Thematic area:	Varietal Evaluation
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assesement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are continuously grown ten year old varieties by traditional broadcasting method
T2 –Recommended Practice-	high yielding variety (CG 1023) +Pseudomonas florescence + + Nutrient applied through Organic source (FYM 75 % + Vermicompost 25 %) and pest control by Biopesticide
T3- Recommended Practice-	
Date of sowing:	4 th week of November
Date of harvesting:	4 th week of March
Source of technology:	IGKV, Raipur
Characteristics of technology:	Sharbadi grains, high Chapati index, high amount of zinc 40.4 ppm, suitable for Chhattisgarh plain zone
Name of Crop/Enterprises:	Wheat
Recommendations for Farmers	The variety is very suitable under irrigated condition and farmers should adopt the technology
Recommendations for Deptt. Personnel	It is very prominent technology for every farmer and easy to adoptable Department personnel should disseminate the technology.
Feedback	Farmers told that the variety is very suitable it gave more yield.

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

Details of technology	Parameter Name	Unit of Paramet	Result	Average Cost of	Average Gross	Average Net Return	Benefit-Cost Ratio (Gross
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		er		cultivation (Rs/ha)	Return (Rs/ha)	(Rs/ha)	Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha	yield	q/ha	19.33	24413	41076
T2(Recommended Practice)	yield	q/ha	yield	q/ha	21.84	26212	46410
T3(Recommended Practice)							

OFT 06

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Agronomy
Title of on-farm trial:	Assesement of Sesamum crop under long duration Rice-Fellow System
Year/Season:	Rabi 2022-23
Farming situation:	Rainfed
Problem diagnosis:	Farmers are needed suitable Rice fellow organic farming system
Thematic area:	Organic farming
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	Assesement
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Farmers are continuously grown Rice as Single Crop in long duration Rice organic farming system
T2 –Recommended Practice-	Sesamum after Devbhog Sugandhit Rice +Pseudomonas florescence + Nutrient applied through Organic source (FYM 75 % + Vermicompost 25 %) and pest control by Biopesticide
T3- Recommended Practice-	
Date of sowing:	4 th week of January
Date of harvesting:	
Source of technology:	IGKV, Raipur
Characteristics of technology:	Sesamum after Devbhog Sugandhit Rice + Organic source of nutrient
Name of Crop/Enterprises:	Sesamum
Recommendations for Farmers	The technology is very suitable and farmers should adopt the technology
Recommendations for Deptt. Personnel	It is very prominent technology for every farmer and easy to adoptable Department personnel should disseminate the technology.
Feedback	Farmers told that the variety is suitable after long duration paddy it is a good substitute for other early sowing oilseed crops

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	yield	q/ha	5.87	15562	42892	27330	2.75
T2(Recommended Practice)	yield	q/ha	7.68	17694	56117	38423	3.17
T3(Recommended Practice)							

OFT 7

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
Title of on-farm trial:	Assessment of Marigold Propagation through Cutting
Year/Season:	Kharif 2022
Farming situation:	Rainfed
Problem diagnosis:	Lack of availability of Planting Material
Thematic area:	Crop Production
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	
Details of technology selected for assessment/ refinement:	
T1 – Farmers Practice-	Marigold propagation through Seeds
T2 –Recommended Practice-	Assessment of Marigold propagation through Cuttings
T3- Recommended Practice-	
Date of sowing:	
Date of harvesting:	
Source of technology:	IGKV, Raipur
Characteristics of technology:	Marigold propagation through Cuttings
Name of Crop/Enterprises:	Marigold
Recommendations for Farmers	Marigold propagation through Cuttings
Recommendations for Deptt. Personnel	Marigold propagation through Cuttings
Feedback	Marigold propagation through Cuttings should be encouraged

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	Quintal	165	210000	412500	202500	1.96
T2(Recommended Practice)	Yield	Quintal	216	230000	540000	310000	2.35

OFT 8

Name of Discipline (like Agronomy/Horticulture/ Soil Science/ Plant Protection/Plant Breeding/ Agroforestry/Agri Engineering/Animal Science/ Fisheries etc)	Horticulture
Title of on-farm trial:	Assessment of Yield Enhancement in Bottle Gourd by Application of Ethrel
Year/Season:	Rabi 2022
Farming situation:	Irrigated
Problem diagnosis:	Low yield due to less number of female flowers
Thematic area:	Crop Production
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-	No Application of Ethrel
T2 –Recommended Practice-	Yield Enhancement in Bottle Gourd by Application of Ethrel
T3- Recommended Practice-	
Date of sowing:	10 th Feburary
Date of harvesting:	10 th July
Source of technology:	IGKV Raipur
Characteristics of technology:	Yield Enhancement in Bottle Gourd by Application of Ethrel
Name of Crop/Enterprises:	Bottle Gourd
Recommendations for Farmers	Ethrel Application may be done for yield enhancement
Recommendations for Deptt. Personnel	Ethrel Application can be done for yield enhancement
Feedback	

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

Details of technology	Parameter Name	Unit of Parameter	Result	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield	Quintal	90	100000	198000	98000	1.98
T2 (Recommended Practice)	Yield	Quintal	110	115000	242000	127000	2.10
T3 (Recommended Practice)							

Information about Extension OFT: 01

Title	Study on Impact of CFLD pulses (Chickpea , Variety RVG-202) on the Transfer of Technology, Production and Income of farmers in Mahasamund.
Season & Year	Kharif 2022
Problem identified	The impact assessment of CFLD (Pulses) is not conducted yet which is vital to assess the worthiness or effectiveness of this programme.
Thematic Area	Impact assessment
Farming situation	All Type
Name of Technology Intervention under study	Impact assessment of CFLD pulses(Chickpea , Variety RVG-202)
Farmers Practice	Use of Local Variety and method of sowing and broadcasting
No. of replication (Farmers)	50 (25 –beneficiaries +25 –Non-beneficiaries farmers)

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

Performance indicators/ parameters	Unit/ details	Observation		
1)Extension gap	1) Average = 4.89	T1 (Farmers Practice)	T2(Recommended Practice)	T3(Recommended Practice)
(2) Technology Gap	2) Average = 4.11			
3) Additional return	3) Average = 19900			
(4) Percent increase yield	4) Average =50.1			
(5) Technology Index	5) Average = 28.79			

Extension OFT: 2

Title	Study on Impact of CFLD Oilseed (Groundnut var.Dharni) on the, Transfer of Technology , Production and Income of farmers in Mahasamund
Season & Year	RABI 2021
Problem identified	The impact assessment of CFLD (Oilseed) is not conducted yet which is vital to assess the worthiness or effectiveness of this programme.
Thematic Area	Impact assessment
Farming situation	All Type
Name of Technology Intervention under study	Impact assessment of CFLD Oilseed (Groundnut Var.Dharni)
Farmers Practice	Use of Local Variety and Traditional practices of cultivation
No. of replication (Farmers)	50 (25 –beneficiaries +25 –Non-beneficiaries)

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

Performance indicators/ parameters	Unit/ details	Observation		
1)Extension gap	1) Average = 4.75	T1 (Farmers Practice)	T2(Recommended Practice)	T3(Recommended Practice)
(2) Technology Gap	2) Average = 4.3			
3) Additional return	3) Average = 21800			

(4) Percent increase yield	4) Average =57.0			
(5) Technology Index	5) Average = 29.87			

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	

(A) Economic Performance Home Science OFT: (For Drudgery Reduction)

Detail of Technology	Output *	Est. Energy Expenditure kj/min	WHR beat/min	% reduction in drudgery	% increase in efficiency	Cardiac Cost of Work	% Saving of cardiac Cost
T ₁ (Farmers Practices)							
T ₂ (Recommended Practices)							
T ₃ (Recommended Practices)							

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

(B) Economic Performance Home Science OFT: (For Income Generation) Enterprises wise

Name of Enterprise : -.....

Detail of Technology	Parameter of enterprise	Production per unit (qt/no/lit)	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

Practices)						
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(C) Economic Performance Home Science OFT: (For value addition)

Detail of Technology	Composition of product	Production per unit	Average Cost of input (Rs/unit)	Average Gross Return (Rs/unit)	Average Net Return (Rs/unit)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T ₁ (Farmers Practices)						
T ₂ (Recommended Practices)						
T ₃ (Recommended Practices)						

(D) Economic Performance Home Science OFT: (For Nutritional security)

Name of Enterprise /product: -.....

Detail of Technology	Name of Product/ enterprise	Per capita Consumption gm/ day	Nutrient Intake (Unit)				Anthropometric measurements		
			Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))
T ₁ (Farmers Practices)									
T ₂ (Recommended Practices)									
T ₃ (Recommended Practices)									

Frontline Demonstrations

Details of FLDs organized (Based on soil test analysis)

KV K Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha)	No. of farmers			
											S C	S T	Oth ers	Gen eral
Mahasamund	Kharif 2022	Soil Science	Nutrient management	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 and at the time of flowering 4. Use of systemic insecticide	Pulse	Lathyrus	Prateek	Irrigated	Completed	4.8	3	6	3	

Economic Impact of Crop FLD

KVK Name	Technology for demonstration	Name of Crop/ Enterprise	Name of Parameter	Name of Unit	Result		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

Mahas amund	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 and at the time of flowering 4. Use of systemic insecticide	Lathyrus	Yield	q/ha	2.41	3.57	6635	8186	12773	18921	6138	10735	1.92	2.31
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KV K Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi- irrigated)	Completed /Ongoing	Crop- Area (ha)	No. of farmers			
											S C	S T	Oth ers	Gen eral
Ma has am und	Rabi 202 2-23	Agronomy	Natural farming	Sowing of lathyrus in utera system with natural farming component (Beejamrit +Ghanjeev amrit+Jee vamrit+Ne emashttra)	Pulse	lathyrus	Prateek	Irrigated	Completed	4.8	5	5	2	

KVK Name	Technology for demonstration	Name of Crop/ Enterprise	Name of Parameter	Name of Unit	Result		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit- Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

Mahas amund	Sowing of lathyrus in utera system with natural farming component (Beejamrit+ Ghanjeeva mrit+Jeeva mrit+Neem ashtra)	Lathyrus	Yield	q/ha	2.12	2.91	6132	6945	11236	16271	5104	9326	1.83	2.21
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KV K Na me	Seas on	Discipline (Agronomy/Hor ticulture/ Soil Science/Plant Protection/Plan t Breeding/ Agroforestry)	Them atic area	Technolog y for demonstr ation	Crop Catego ry	Name of Crop	Name of Variet y	Farming Situation (rainfed/irri gated/semi- irrigated)	Comp leted /Ong oing	Crop- Area (ha)	No. of farmers			
											S C	S T	Oth ers	Gen eral
Ma has am und	Rabi 202 2-23	Agronomy	Weed Mana geme nt	Use of Pre emergenc e weedicide (Pendimet halin 30% EC1000 ml/ acre) and Post- emergenc e weedicide (Imazetha pyr 10% SL@ 300 ml/acre)	Pulse	Green gram	MH 421	Rainfed	Comp leted	4.8	4	5	3	

KVK Na me	Technology for demonstrati on	Name of Crop/ Enterprise	Nam e of Para met er	Name of Unit	Result		Average Cost of cultivatio n (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit- Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mahas amund	Use of Pre emergence weedicide (Pendimeth alin 30% EC1000 ml/ acre) and Post- emergence weedicide (Imazethap yr 10% SL@ 300 ml/acre)	Green Gram	Yield	q/ha	4.82	6.13	12615	13830	35065	44595	22450	30765	2.77	2.77

KV K Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agroforestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi- irrigated)	Completed /Ongoing	Crop- Area (ha)	No. of farmers			
											S C	S T	Others	General
Ma has am und	Kha rif 202 2	Agronomy	Weed Mana gement	Use of Pre emergence weedicide (Pendimet halin 30% EC1000 ml/ acre) and Post- emergence weedicide (Imazetha pyr 10% SL@ 300 ml/acre)	Pulse	Black Gram	Indira Urd Pratham	Rainfed	Completed	4.8	2	5	5	
Ma has am und	Kha rif 202 2	Agronomy	Weed Mana gement	Use of Pre emergence weedicide (Pendimet halin 30% EC1000 ml/ acre) and Post- emergence weedicide (Imazetha pyr 10% SL@ 300 ml/acre)	Pulse	Pigeon pea	Cg Arhar Pratham	Rainfed	Completed	4.8	3	6	3	

KVK Name	Technology for demonstration	Name of Crop/Enterprise	Name of Parameter	Name of Unit	Result		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mahasamund	Use of Pre emergence weedicide (Pendimethalin 30% EC1000 ml/acre) and Post-emergence weedicide (Imazethapyr 10% SL@ 300 ml/acre)	Black Gram	Yield	q/ha	3.91	5.13	11714	12929	24633	32319	12919	19390	2.10	2.49
Mahasamund	Use of Pre emergence weedicide (Pendimethalin 30% EC1000 ml/acre) and Post-emergence weedicide (Imazethapyr 10% SL@ 300 ml/acre)	Pigeon pea	Yield	q/ha	9.12	10.90	17326	19371	51156	68670	33830	49299	2.95	3.55

Details of FLDs on Agriculture Engineering implemented during Jan-2022 to Dec-2022

KVK Name	Season	Thematic area	Technology for demonstration	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/On going	Crop-Area (ha) / Enterprise - No.	No. of farmers			
										S C	S T	Others	General
Mahasamund	Kharif	Farm Mechanization	Line sowing of paddy by Seed cum fertilizer drill	cereals	Paddy	Seed cum fertilizer drill	Rainfed	Completed	05 ha	0	0	6	0
Mahasamund	Kharif	Farm Mechanization	Seed cum fertilizer drill for line sowing of chickpea	Pulse	Chickpea	Seed cum fertilizer drill	Semi irrigated	Ongoing	05 ha	0	0	6	0

Economic Impact of Agriculture Engineering FLD

KVK Name	Technology for demonstration	Name of Crop/Enterprise	Name of Performance parameters / indicators	Name of Unit	* Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mahasamund	Line sowing of paddy by Seed cum fertilizer drill	Paddy	Kg/ha	Yield	45.50	50.30	40750	38050	104150	110390	63400	72340	2.56	2.90
Mahasamund	Seed cum fertilizer drill for line sowing of chickpea	Chickpea	Kg/ha	Yield	8.53	11.67	22500	25000	44612	61034	22112	36034	1.98	2.44

*Field efficiency, labour saving etc.

Details of FLDs on Horticulture implemented during Jan-2022 to Dec-2022

FLD 1

KVK Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agro forestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha)	No. of farmers			
											S C	S T	Others	General
Mahasamund	Rabi	Horticulture	Crop Production	Demonstration on Fruit Bagging in Guava	Fruit Crop	Guava	Taiwan	Irrigated	Completed	0.4	00	00	05	00

Economic Impact of Crop FLD

KVK Name	Technology for demonstration	Name of Crop/Enterprise	Name of Parameter	Name of Unit	Result		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mahasamund	Demonstration on Fruit Bagging in Guava	Guava	Yield	Kg	555	416	100000	80000	220800	124920	120800	449200	2.22	1.56

FLD 2

KVK Name	Season	Discipline (Agronomy/Horticulture/ Soil Science/Plant Protection/Plant Breeding/ Agro forestry)	Thematic area	Technology for demonstration	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha)	No. of farmers			
											S C	S T	Others	General

Ma has am und		Horticulture	Crop Prodc ution	Demonstr ation on Improved Variety of Papaya	Fruit crop	Papay a	Ameen a	Irrigated	Comp leted	0.4	0 0	0 0	05	00
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Economic Impact of Crop FLD

KVK Na me	Technology for demonstrati on	Name of Crop/ Enterprise	Nam e of Para met er	Name of Unit	Result		Average Cost of cultivatio n (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit- Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mahas amund	Improved Variety of Papaya	Papaya	Yield	Quint al	185	250	18500 0	200000	37000 0	500000	18500 0	300000	2.00	2.5

FLD 3

KV K Na me	Seas on	Discipline (Agronomy/Hor ticulture/ Soil Science/Plant Protection/Plan t Breeding/ Agro forestry)	Them atic area	Technolog y for demonstr ation	Crop Catego ry	Name of Crop	Name of Variet y	Farming Situation (rainfed/irri gated/semi- irrigated)	Comp leted /Ong oing	Crop- Area (ha)	No. of farmers			
											S C	S T	Oth ers	Gen eral
Ma has am und		Horticulture	Crop Prodc ution	Demonstr ation on Improved Variety of Ginger	Spices Crop	Ginger	Suprab ha	Irrigated	Comp leted	0.4	0 0	0 0	05	00

Economic Impact of Crop FLD

KVK Na me	Technology for demonstrati on	Name of Crop/ Enterprise	Nam e of Para met er	Name of Unit	Result		Average Cost of cultivatio n (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit- Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)
Mahas amund	Improved Variety of Ginger	Ginger	Yield	Quint al	162	228	16000 0	170000	35640 0	501 600	19640 0	331 600	2.23	2.95

Extension and Training activities under FLDs

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	4	September and December	468
2	Farmers Training	9	July to December	306
3	Media coverage	12	August and November	Mass
4	Training for extension functionaries	14	July and October	656

Details of FLD on Enterprises

Farm Implements

Details of FLDs on Agriculture Engineering implemented during Jan-2022 to Dec-2022

KVK Name	Season	Thematic area	Technology for demonstration	Crop/Enterprise Category	Name of Crop/Enterprise	Name of Variety/Technology/Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	No. of farmers			
										SC	ST	Others	General

Economic Impact of Agriculture Engineering FLD

KVK Name	Technology for demonstration	Name of Crop/Enterprise	Name of Performance parameters / indicators	Name of Unit	* Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
					FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

*Field efficiency, labour saving etc.

Livestock Enterprises

Details of FLDs on Animal Science implemented during Jan-2022 to Dec-2022

KVK Name	Thematic area	Technology for demonstration	Name of Enterprise	Name of Breed	Completed/Ongoing	No. of unit (animals, poultry birds etc.)	No. of farmers			
							SC	ST	Others	Gen

Economic Impact of Animal Science FLD

KVK Name	Technology for demonstration	Name of Enterprise	Performance parameters / indicators		*Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
			Name of Parameter	Name of unit	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

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

Details of FLDs on Fishery implemented during Jan-2022 to Dec-2022

KVK Name	Thematic area	Technology for demonstration	Name of Enterprise	Completed/Ongoing	Area (ha) / Entrep - No.	No. of farmers			
						SC	ST	Others	General

Economic Impact of Fishery FLD

KVK Name	Technology for demonstration	Name of Enterprise	Performance parameters / indicators		Data on parameter in relation to technology demonstrated		Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		B:C Ratio (Gross Return / Gross Cost)	
			Name of Parameter	Name of unit	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)	FP (T ₁)	RP (T ₂)

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

Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Crop- Area (ha) / Entrep - No.	No. of farmers			
				SC	ST	Others	General

Economic Performance Home Science FLD: (Drudgery Reduction)

Technology for demonstration	Performance Indicator / Parameter													
	Output *		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Cardiac Cost of Work		% Saving of cardiac Cost	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

*Kindly use Unit as per the machine/implement/equipment used for drudgery reduction

Economic Performance Home Science FLD: (Income Generation)

Technology for demonstration	Performance Indicator / Parameter									
	Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Paddy Straw Mushroom production for additional income generation of farmers	-	20	-	95		300	-	205	-	2.15

Economic Performance Home Science FLD: (For value addition)

Technology for demonstration	Performance Indicator / Parameter											
	Composition of product		Production per unit (Q/ Lit)		Average Cost of input (Rs/unit)		Average Gross Return (Rs/unit)		Average Net Return (Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For Nutritional security)

Technology for demonstration	Performance Indicator / Parameter		Nutrient Intake (Unit)				Anthropometric measurements		
	Name of Product	Per capita Consumption gm/ day	Energy (kcal)	Protein (gm)	Iron (mg)	Calcium (mg)	Increase in Weight (Kg)	Increase in Height (cm)	BMI ((Weight (Kg)/

																		(Height(in m) * Height(in m)))
	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Cluster Demonstration of Oilseed and Pulses under NFSM (2022-23)

Sl. No.	Crop	Thematic area	Technology for demonstration	Critical inputs	Season and year	Area (ha)	No. of farmers/ demonstration	Parameters identified
1	Blackgram	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Kharif/2022	20	50	Yield, Income,B:C Ratio
2	Pigeonpea	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Kharif/2022	20	50	Yield, Income,B:C Ratio
3	Sesamum	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Kharif/2022	30	75	Yield, Income,B:C Ratio
4	Chickpea	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Rabi/2022	20	50	Yield, Income,B:C Ratio
5	Mustard	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Rabi/2022	20	50	Yield, Income,B:C Ratio
6	Linseed	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Rabi/2022	20	50	Yield, Income,B:C Ratio
7	Lythyrus	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Rabi/2022	20	50	Yield, Income,B:C Ratio
9	Greengram	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Summer/22	20	50	Yield, Income,B:C Ratio
10	Sesamum	Crop Production	HYV,Seed treatment,IPM	Improved Seed,Culture,weedicide	Summer/22	30	75	Yield, Income,B:C Ratio

Extension and Training activities under CFLDs Oilseed and Pulses

S. No.	Activity	No. of activities	Month	Number of participants
1	Field days	3	Feb	152
2	Farmers Training	11	Jan-Dec	259
3	Media coverage	8	Jan-Dec	Mass
4	Training for extension functionaries	8	Jan-Dec	173

Training (Including the sponsored and FLD training programmes):

A) ON Campus

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
						Gen		SC		ST		Others	
						M	F	M	F	M	F	M	F
F &FW	Crop Production	Weed Management											
F &FW	Crop Production	Resource Conservation Technologies											
F &FW	Crop Production	Cropping Systems											
F &FW	Crop Production	Crop Diversification											
F &FW	Crop Production	Integrated Farming											
F &FW	Crop Production	Micro irrigation/irrigation											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
F &FW	Crop Production	Seed production											
F &FW	Crop Production	Nursery management											
F &FW	Crop Production	Integrated Crop Management											
F &FW	Crop Production	Soil & water conservation											
F &FW	Crop Production	Integrated nutrient Management											
F &FW	Crop Production	Production of organic inputs											
F &FW	Crop Production	Others(Pl. Specify)											
F &FW	Horticulture (Vegetable Crops)	Production of low volume and high value crops	Cultivation of Tomato under Low cost protected structure	1	1	2	3	0	5	0	0	0	1
											2	4	9
F &FW	Horticulture (Vegetable Crops)	Off season vegetables											
F &FW	Horticulture (Vegetable Crops)	Nursery raising	Different types of Nursery beds and their uses	1	1	1	4	0	5	0	0	0	2
											2	6	0
F &FW	Horticulture (Vegetable Crops)	Exotic vegetables											
F &FW	Horticulture (Vegetable Crops)	Export potential vegetables											
F &FW	Horticulture (Vegetable Crops)	Grading and standardization											
F &FW	Horticulture (Vegetable Crops)	Protective cultivation	Low Cost Protected Cultivation of vegetables	20	06 days	0	0	0	0	0	0	0	1
							2				1		2
F &FW	Horticulture (Vegetable Crops)	Others(Pl. Specify)	Improved Production and Processing technique of Potato	12	03	0	0	0	6	0	0	0	0
									0				
F &FW	Horticulture (Fruits)	Training and Pruning											
F &FW	Horticulture (Fruits)	Layout and Management of Orchards	Establishment of Orchard for Economic and Nutritional Security	20	06 days	0	0	0	0	0	0	0	1
													5
F &FW	Horticulture (Fruits)	Cultivation of Fruit	Production technology of Papaya	1	1	0	0	0	0	1	1	1	1
						2	2	5	0	1	2	1	0
F &FW	Horticulture (Fruits)	Management of young plants/orchards	Care and Maintainace of Orchards	1	1	0	0	0	0	0	0	1	1
						4	2	3	0	0	9	0	1
F &FW	Horticulture (Fruits)	Rejuvenation of old orchards											
F &FW	Horticulture (Fruits)	Export potential fruits											
F &FW	Horticulture (Fruits)	Micro irrigation systems of orchards											
F &FW	Horticulture (Fruits)	Plant propagation techniques											
F &FW	Horticulture (Fruits)	Others (Pl. Specify)											
F &FW	Horticulture (Ornamental Plants)	Nursery Management	Propagation of Marigold through cuttings	1	1	0	5	0	0	1	1	1	1
						3		7	0	1	2	1	3

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
F &FW	Horticulture (Ornamental Plants)	Management of potted plants	Production technology of Marigold	1	1	0 2	0 4	0 6	0 0	0 0	0 9	1 0	1 6
F &FW	Horticulture (Ornamental Plants)	Export potential of ornamental plants											
F &FW	Horticulture (Ornamental Plants)	Propagation techniques of Ornamental Plants											
F &FW	Horticulture (Ornamental Plants)	Others (Pl. Specify)											
F &FW	Horticulture(Plantation crops)	Production and Management technology											
F &FW	Horticulture(Plantation crops)	Processing and value addition											
F &FW	Horticulture(Plantation crops)	Others (Pl. Specify)											
F &FW	Horticulture(Tuber crops)	Production and Management technology											
F &FW	Horticulture(Tuber crops)	Processing and value addition											
F &FW	Horticulture(Tuber crops)	Others (Pl. Specify)											
F &FW	Horticulture(Spices)	Production and Management technology											
F &FW	Horticulture(Spices)	Processing and value addition											
F &FW	Horticulture(Spices)	Others (Pl. Specify)											
F &FW	Horticulture(Medicinal and Aromatic Plants)	Nursery management											
F &FW	Horticulture(Medicinal and Aromatic Plants)	Production and management technology	Production Processing and Value Addition of Spices and Aromatic Crops	06	02	0	0	0	1 3	0	1 0	0 5	3 1
F &FW	Horticulture(Medicinal and Aromatic Plants)	Post harvest technology and value addition											
F &FW	Horticulture(Medicinal and Aromatic Plants)	Others (Pl. Specify)											
F &FW	Soil Health and Fertility Management	Soil fertility management	Importance and use of soil health card	1	1	3	1	5	4	6	2	4	2
F &FW	Soil Health and Fertility Management	Integrated water management											
F &FW	Soil Health and Fertility Management	Integrated Nutrient Management	Integrated nutrient management in Rabi and Kharif crops	1	1	2		8	3	9	2	6	1
F &FW	Soil Health and Fertility Management	Production and use of organic inputs	Vermicomposting technique, Various technique of organic farming	1	1	4		7		8	4	6	2
F &FW	Soil Health and Fertility Management	Management of Problematic soils											
F &FW	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency Symptom	1	1	3		6		5	3	8	3

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
			s and their manage ment of micronut rient										
F &FW	Soil Health and Fertility Management	Nutrient Use Efficiency	Biofertilizer application technology	1	1	7		9	6	1 1	5	4	1
F &FW	Soil Health and Fertility Management	Balance Use of fertilizer	Importance and advances of balance fertilization	1	1	5		9	5	8	3	9	2
F &FW	Soil Health and Fertility Management	Soil & water testing											
F &FW	Soil Health and Fertility Management	Organic Farming	Organic farming technique	1	3		9	5	1 0		8	4	1
F &FW	Soil Health and Fertility Management	Others (Pl. Specify)											
F &FW	Livestock Production and Management	Dairy Management											
F &FW	Livestock Production and Management	Poultry Management											
F &FW	Livestock Production and Management	Piggery Management											
F &FW	Livestock Production and Management	Rabbit Management											
F &FW	Livestock Production and Management	Animal Nutrition Management	Capacity Building of farmer through training on Feed & Fodder Production for Animal Nutrition	2	3	2	4	3	2	5	1	5 3	2 1
F &FW	Livestock Production and Management	Disease Management											
F &FW	Livestock Production and Management	Feed & fodder technologies											
F &FW	Livestock Production and Management	Production of quality animal products											
F &FW	Livestock Production and Management	Others (Pl. Specify)	Capacity Building of farmer through training on Goat Farming	1	3	0	0	0	2	2	1 1	2	2 5
F &FW	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
F &FW	Home Science/Women empowerment	Design and development of low/minimum cost diet											
F &FW	Home Science/Women empowerment	Designing and development for high nutrient efficiency diet											
F &FW	Home Science/Women	Minimization of nutrient loss											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
	empowerment	in processing											
F &FW	Home Science/Women empowerment	Processing & cooking	1	1									
F &FW	Home Science/Women empowerment	Gender mainstreaming through SHGs											
F &FW	Home Science/Women empowerment	Storage loss minimization techniques											
F &FW	Home Science/Women empowerment	Value addition	1	1									
F &FW	Home Science/Women empowerment	Women empowerment											
F &FW	Home Science/Women empowerment	Location specific drudgery reduction technologies											
F &FW	Home Science/Women empowerment	Rural Crafts											
F &FW	Home Science/Women empowerment	Women and child care											
F &FW	Home Science/Women empowerment	Others (Pl. Specify)											
F &FW	Agril. Engineering	Farm machinery & its maintenance											
F &FW	Agril. Engineering	Installation and maintenance of micro irrigation systems											
F &FW	Agril. Engineering	Use of Plastics in farming practices											
F &FW	Agril. Engineering	Production of small tools and implements											
F &FW	Agril. Engineering	Repair and maintenance of farm machinery and implements											
F &FW	Agril. Engineering	Small scale processing and value addition											
F &FW	Agril. Engineering	Post Harvest Technology											
F &FW	Agril. Engineering	Others (Pl. Specify)											
F &FW	Plant Protection	Integrated Pest Management											
F &FW	Plant Protection	Integrated Disease Management											
F &FW	Plant Protection	Bio0control of pests and diseases											
F &FW	Plant Protection	Production of bio control agents and bio pesticides											
F &FW	Plant Protection	Others (Pl. Specify)											
F &FW	Fisheries	Integrated fish farming											
F &FW	Fisheries	Carp breeding and hatchery management											
F &FW	Fisheries	Carp fry and fingerling rearing											
F &FW	Fisheries	Composite fish culture											
F &FW	Fisheries	Hatchery management and culture of freshwater prawn											
F &FW	Fisheries	Breeding and culture of ornamental fishes											
F &FW	Fisheries	Portable plastic carp hatchery											
F &FW	Fisheries	Pen culture of fish and prawn											
F &FW	Fisheries	Shrimp farming											
F &FW	Fisheries	Edible oyster farming											
F &FW	Fisheries	Pearl culture											
F &FW	Fisheries	Fish processing and value addition											
F &FW	Fisheries	Others (Pl. Specify)											
F &FW	Production of Input at site	Seed Production											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
F &FW	Production of Input at site	Planting material production											
F &FW	Production of Input at site	Bio0agents production											
F &FW	Production of Input at site	Bio0pesticides production											
F &FW	Production of Input at site	Bio0fertilizer production											
F &FW	Production of Input at site	Vermi0compost production											
F &FW	Production of Input at site	Organic manures production											
F &FW	Production of Input at site	Production of fry and fingerlings											
F &FW	Production of Input at site	Production of Bee0colonies and wax sheets											
F &FW	Production of Input at site	Small tools and implements											
F &FW	Production of Input at site	Production of livestock feed and fodder											
F &FW	Production of Input at site	Production of Fish feed											
F &FW	Production of Input at site	Mushroom production											
F &FW	Production of Input at site	Apiculture											
F &FW	Production of Input at site	Others (Pl. Specify)											
F &FW	Capacity Building and Group Dynamics	Leadership development											
F &FW	Capacity Building and Group Dynamics	Group dynamics											
F &FW	Capacity Building and Group Dynamics	Formation and Management of SHGs											
F &FW	Capacity Building and Group Dynamics	Mobilization of social capital											
F &FW	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths											
F &FW	Capacity Building and Group Dynamics	WTO and IPR issues											
F &FW	Capacity Building and Group Dynamics	Others (Pl. Specify)											
F &FW	Agro forestry	Production technologies											
F &FW	Agro forestry	Nursery management											
F &FW	Agro forestry	Integrated Farming Systems											
F &FW	Agro forestry	Others (Pl. Specify)											

B) OFF Campus

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

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

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
			in Rabi and Kharif crops										
F &FW	Soil Health and Fertility Management	Production and use of organic inputs	Vermicomposting technique , Various technique of organic farming	2	2	6		9		12	5	19	2
F &FW	Soil Health and Fertility Management	Management of Problematic soils	Reclamation of Problematic soil	1	1	6		5	3	10	3	6	2
F &FW	Soil Health and Fertility Management	Micro nutrient deficiency in crops	Deficiency Symptoms and their management of micronutrient	2	2	5		8		7	3	14	5
F &FW	Soil Health and Fertility Management	Nutrient Use Efficiency	Biofertilizer application technology	3	2	10		13	6	23	3	7	5
F &FW	Soil Health and Fertility Management	Balance Use of fertilizer	Importance and advances of balance fertilization	2	2	9		15	7	15	4	14	4
F &FW	Soil Health and Fertility Management	Soil & water testing											
F &FW	Soil Health and Fertility Management	Organic Farming	Organic farming technique	1	4		8	5	9		8	5	3
F &FW	Soil Health and Fertility Management	Others (Pl. Specify)											
F &FW	Livestock Production and Management	Dairy Management											
F &FW	Livestock Production and Management	Poultry Management											
F &FW	Livestock Production and Management	Piggery Management											
F &FW	Livestock Production and Management	Rabbit Management											
F &FW	Livestock Production and Management	Animal Nutrition Management											
F &FW	Livestock Production and Management	Disease Management											
F &FW	Livestock Production and Management	Feed & fodder technologies											
F &FW	Livestock Production and Management	Production of quality animal products											
F &FW	Livestock Production and Management	Others (Pl. Specify)											
F &FW	Home Science/Women empowerment	Household food security by kitchen gardening and nutrition gardening											
F &FW	Home Science/Women empowerment	Design and development of low/minimum cost diet											
F &FW	Home Science/Women	Designing and development											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
	empowerment	for high nutrient efficiency diet											
F &FW	Home Science/Women empowerment	Minimization of nutrient loss in processing											
F &FW	Home Science/Women empowerment	Processing & cooking											
F &FW	Home Science/Women empowerment	Gender mainstreaming through SHGs											
F &FW	Home Science/Women empowerment	Storage loss minimization techniques											
F &FW	Home Science/Women empowerment	Value addition											
F &FW	Home Science/Women empowerment	Women empowerment											
F &FW	Home Science/Women empowerment	Location specific drudgery reduction technologies											
F &FW	Home Science/Women empowerment	Rural Crafts											
F &FW	Home Science/Women empowerment	Women and child care											
F &FW	Home Science/Women empowerment	Others (Pl. Specify)											
F &FW	Agril. Engineering	Farm machinery & its maintenance	Importance of zero tillage	2	2	2	0	3	0	4	0	3	0
F &FW			Importance of line sowing by seed cum fertilizer drill	2	2	1	0	2	0	4	0	3	0
F &FW			Operation and use of developed animal drawn farm implements	2	2	0	0	3	0	2	0	3	0
F &FW	Agril. Engineering	Installation and maintenance of micro irrigation systems	Micro Irrigation System	2	2	0	0	3	1	3	3	3	4
F &FW			Operation and Maintenance of drip irrigation system	2	2	1	0	0	0	2	0	4	0
F &FW	Agril. Engineering	Use of Plastics in farming practices	Plasticulture application in horticultural crops	2	2	0	0	1	1	5	1	2	5
F &FW	Agril. Engineering	Production of small tools and implements											
F &FW	Agril. Engineering	Repair and maintenance of farm machinery and implements											
F &FW	Agril. Engineering	Small scale processing and value addition											
F &FW	Agril. Engineering	Post Harvest Technology											
F &FW	Agril. Engineering	Others (Pl. Specify)											
F &FW	Plant Protection	Integrated Pest Management											
F &FW	Plant Protection	Integrated Disease Management											
F &FW	Plant Protection	Bio0control of pests and diseases											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
F &FW	Plant Protection	Production of bio control agents and bio pesticides											
F &FW	Plant Protection	Others (Pl. Specify)											
F &FW	Fisheries	Integrated fish farming											
F &FW	Fisheries	Carp breeding and hatchery management											
F &FW	Fisheries	Carp fry and fingerling rearing											
F &FW	Fisheries	Composite fish culture											
F &FW	Fisheries	Hatchery management and culture of freshwater prawn											
F &FW	Fisheries	Breeding and culture of ornamental fishes											
F &FW	Fisheries	Portable plastic carp hatchery											
F &FW	Fisheries	Pen culture of fish and prawn											
F &FW	Fisheries	Shrimp farming											
F &FW	Fisheries	Edible oyster farming											
F &FW	Fisheries	Pearl culture											
F &FW	Fisheries	Fish processing and value addition											
F &FW	Fisheries	Others (Pl. Specify)											
F &FW	Production of Input at site	Seed Production											
F &FW	Production of Input at site	Planting material production											
F &FW	Production of Input at site	Bio0agents production											
F &FW	Production of Input at site	Bio0pesticides production											
F &FW	Production of Input at site	Bio0fertilizer production											
F &FW	Production of Input at site	Vermi0compost production											
F &FW	Production of Input at site	Organic manures production											
F &FW	Production of Input at site	Production of fry and fingerlings											
F &FW	Production of Input at site	Production of Bee0colonies and wax sheets											
F &FW	Production of Input at site	Small tools and implements											
F &FW	Production of Input at site	Production of livestock feed and fodder											
F &FW	Production of Input at site	Production of Fish feed											
F &FW	Production of Input at site	Mushroom production	Mushroom production technology	1	14	8	9	1 2	8	6	1 9	1 7	3
F &FW	Production of Input at site	Apiculture											
F &FW	Production of Input at site	Others (Pl. Specify)											
F &FW	Capacity Building and Group Dynamics	Leadership development	Leadership development	1	7	4	3	0	0	0	3	5	1
F &FW	Capacity Building and Group Dynamics	Group dynamics	Group dynamics	1	8	0	1 5	7	5	2	1	1 9	1
F &FW	Capacity Building and Group Dynamics	Formation and Management of SHGs	Formation and Management of SHGs	1	27	8	1 1	6	8	7	1 7	2 7	5
F &FW	Capacity Building and Group Dynamics	Mobilization of social capital	Mobilization of social capital	0	0	0	0	0	0	0	0	0	0
F &FW	Capacity Building and Group Dynamics	Entrepreneurial development of farmers/youths	Entrepreneuri al development of farmers through FPO	1	32	9	1 9	1 1	7	8	1 9	9	6
F &FW	Capacity Building and Group Dynamics	WTO and IPR issues	PPV&RF	1	14	8	9	1 2	8	6	1 9	1 7	3
F &FW	Capacity Building and Group	Others (Pl. Specify)											

Category (F/ FW / F &FW) (do not leave column blank)	Category	Sub Theme	Training Title	No. of Cour ses	Durat ion (Days)	Participants							
						Gen		SC		ST		Othe rs	
						M	F	M	F	M	F	M	F
	Dynamics												
F &FW	Agro forestry	Production technologies											
F &FW	Agro forestry	Nursery management											
F &FW	Agro forestry	Integrated Farming Systems											
F &FW	Agro forestry	Others (Pl. Specify)											

Details of Training Programmes conducted by the KVKs for Rural Youth

A. ON Campus

Thematic Area of training	Training Title	No. of Course s	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi culture											
Mushroom Production											
Bee keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Others(Pl. Specify)	Impact of Climate change in agriculture. Importance about Agro Observatory in Agriculture. Meghdoot App technologies in Agriculture.	3	5 Days	0	0	0	0	0	0	20	5

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Others(Pl. Specify)	Mushroom production technology	1	14	8	9	12	8	6	19	17	3

B. OFF Campus

Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Protected cultivation of vegetable crops											
Commercial fruit production											
Integrated farming											
Seed production											
Production of organic inputs											
Planting material production											
Vermi culture	Various method of Vermicom post Production	1	1	10	2	11	1	5	1	8	1
Mushroom Production											
Bee keeping											
Sericulture											
Repair and maintenance of farm machinery and implements											
Value addition											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Composite fish culture											
Freshwater prawn culture											
Shrimp farming											
Pearl culture											
Cold water fisheries											
Fish harvest and processing technology											
Fry and fingerling rearing											
Others(Pl. Specify)											

Details of Training Programmes conducted by the KVKs for Extension Personnel

A. ON Campus

Thematic Area of training (if other please specify name)	Training Title	No. of Course s	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management	practices of INM for crop production	1	1	2	1	4	3	3	1	8	3
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Others(Pl. Specify) (Agro-Meteorology)	Complete Information of Meghdoot app agriculture as well as weather forecast to the farmers. Damini app technologies in agriculture. Weather elements in agriculture.	3	5 Days	0	0	0	0	0	0	20	5

B. OFF Campus

Thematic Area of training (if other please specify name)	Training Title	No. of Course s	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Productivity enhancement in field crops											
Integrated Pest Management											

Thematic Area of training (if other please specify name)	Training Title	No. of Courses	Duration (Days)	Participants							
				Gen		SC		ST		Others	
				M	F	M	F	M	F	M	F
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Production and use of organic inputs											
Care and maintenance of farm machinery and implements											
Gender mainstreaming through SHGs											
Formation and Management of SHGs											
Women and Child care											
Low cost and nutrient efficient diet designing											
Group Dynamics and farmers organization											
Information networking among farmers											
Capacity building for ICT application											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Others(Pl. Specify) (Agro-Meteorology)	Complete Information of Meghdoot app agriculture as well as weather forecast to the farmers. Damini app technologies in agriculture. Weather elements in agriculture.	3	5 Days	0	0	0	0	0	0	20	5

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

Thematic Area	Sub Theme	Training title	No of Courses	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Crop production and management	Commercial floriculture											
Crop production and management	Commercial fruit production											
Crop production and management	Commercial vegetable production											
Crop production and management	Integrated crop management											
Crop production and management	Organic farming											
Crop production and management	Others(Pl. Specify)											
Post harvest technology	Value addition											

Thematic Area	Sub Theme	Training title	No of Courses	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
and value addition												
Post harvest technology and value addition	Others(Pl. Specify)											
Livestock and fisheries	Dairy farming											
Livestock and fisheries	Composite fish culture											
Livestock and fisheries	Sheep and goat rearing											
Livestock and fisheries	Piggery											
Livestock and fisheries	Poultry farming											
Livestock and fisheries	Others(Pl. Specify)											
Income generation activities	Vermi-composting											
Income generation activities	Production of bio-agents, bio-pesticides,											
Income generation activities	Bio-fertilizers etc.											
Income generation activities	Repair and maintenance of farm machinery & implements											
Income generation activities	Rural Crafts											
Income generation activities	Seed production											
Income generation activities	Sericulture											
Income generation activities	Mushroom cultivation											
Income generation activities	Nursery, grafting etc.											
Income generation activities	Tailoring, stitching, embroidery, dying etc.											
Income generation activities	Agril. para0workers, para0vet training											
Income generation activities	Others(Pl. Specify)											
Agricultural Extension	Capacity building and group dynamics											
Agricultural Extension	Others(Pl. Specify)											

Table 5.5. Sponsored Training Programmes

Client (F &FW/F W/ RY/ IS)	Thematic area	Sub-theme	Training Title	No. of course s	Durat ion (days)	No. of Participants								Sponso ring Agency	Fund recei ved for train ing (Rs.)
						Gen		Othe rs		SC		ST			
						M	F	M	F	M	F	M	F		
	Crop production and management	Increasing production and productivity of crops													
	Crop production and management	Commercial production of vegetables													
	Crop production and management	Production and value addition													
	Crop production and	Fruit Plants													

Client (F &FW/F W/ RY/ IS)	Thematic area	Sub-theme	Training Title	No. of course s	Durat ion (days)	No. of Participants								Sponso ring Agency	Fund recei ved for traini ng (Rs.)
						Gen		Othe rs		SC		ST			
						M	F	M	F	M	F	M	F		
	management														
	Crop production and management	Ornamental plants													
	Crop production and management	Spices crops													
	Crop production and management	Soil health and fertility management													
	Crop production and management	Production of Inputs at site													
	Crop production and management	Methods of protective cultivation													
	Crop production and management	Others(Pl. Specify)													
	Post harvest technology and value addition	Processing and value addition													
	Post harvest technology and value addition	Others(Pl. Specify)													
	Farm machinery	Farm machinery, tools and implements													
	Farm machinery	Others(Pl. Specify)													
	Livestock and fisheries	Livestock production and management													
	Livestock and fisheries	Animal Nutrition Management													
	Livestock and fisheries	Animal Disease Management													
	Livestock and fisheries	Fisheries Nutrition													
	Livestock and fisheries	Fisheries Management													
	Livestock and fisheries	Others(Pl. Specify)													
	Home Science	Household nutritional security													
	Home Science	Economic empowerment of women													
	Home Science	Drudgery reduction of women													
	Home Science	Others(Pl. Specify)													
	Agricultural Extension	Capacity Building and Group Dynamics													
	Agricultural Extension	Others(Pl. Specify)	Millets production ,processing and value addition	7	45	15	21	14	11	21	18	36	23	DOA	

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	212	37	249	0	0	0	212	37	249
Kisan Mela	1	135	91	226	9	2	11	144	93	237
Kisan Ghosthi/kissan sammelan	5	188	227	415	17	4	21	205	231	436
Exhibition	5	882	358	1240	22	3	25	904	361	1265
Film Show	10	231	344	575	0	0	0	231	344	575
Method Demonstrations	10	24	146	170	8	0	8	32	146	212
Workshop	2	mass	mass	mass	-	-	-			
Group meetings	15	93	73	166	6	5	11	99	78	177
Lectures delivered as resource persons	31	493	157	650	-	-	-	493	157	650
Newspaper coverage	31	mass	mass	mass	-	-	-			
Radio talks	9	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
TV talks	01	100	50	150	20	05	25	120	55	175
Popular articles	1									
Extension Literature	11	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass	Mass
Advisory Services	104			87693						
Scientific visit to farmers field	108	198	23	221	-	-	-	198	23	221
Farmers visit to KVK	1845	893	952	1845	27	12	39	920	964	1884
Diagnostic visits	30	52	5	57	-	-	-	52	5	57
Exposure visits	2	32	27	59	-	-	-	32	27	59
Ex-trainees Sammelan	2	21	29	50	-	-	-	21	29	50
Soil health Camp	1	27	5	32	3		3	30	3	33
Animal Health Camp	1	45	14	59	2	0	2	47	14	61
Self Help Group Conveners meetings	1	0	32	32	-	-	-	0	32	32
Celebration of important days (specify)	9	130	258	338	5	3	7	135	261	396
Others (pl. specify) Akti tihar	1	265	169	434	5	3	8	231	172	442
Total	2241	4021	2997	94661	124	37	160	4106	3032	7211

Mass media used for wide publicity

Name of media	Number of events/activity	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
CD/DVD				
Radio talks	9	Akashwani, Raipur,	Raipur,	Regional, Local
TV talks	1	Doordarshan Raipur	CG State	Regional
Newspaper coverage	31	Dainikbhasakr, navbharat, naidhunias, amanpath, haribhoomi	Mahasamund	Local
Kisan Mela	1	Dainikbhasakr, navbharat, naidhunias, amanpath, haribhoomi	Mahasamund	Local
Extension Literature	11	Indira Kisan Mitan	Mahasamund	Local
Internet (Youtube)	11	In Omprakash Aoshar (You Tube Channel) and kvk mahasamund website uploaded	Public, mahasamund website	public
Social media (Whats)	46 - Whats App, Face book, twitter	Whatsapp Group-5 Twitter- 41	Mahasamund	Local

App, Facebook, Instagram, Twitter etc.)				
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Production and supply of Technological products

SEED MATERIALS

Category	Crop	Variety (pl. give the name of variety instead of local)	Quantity (qtl.)	Value (Rs.)	Provided to no. of Farmers/ society	Expected area coverage (ha.)
CEREALS						
	Kodo	Indira Kodo-1	3.2			
OILSEEDS	Mustard	C.G. Sarson-1	4.2	28980	3	84
	Linseed	Deepika	1.36	8024	1	5.4
PULSES	Pigeonpea	Rajeshwari (Phule-12)	3.2			
VEGETABLES						
FLOWER CROPS						
OTHERS (Specify)	Turmeric	Salem	45	14700	3	5

PLANTING MATERIALS

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
FRUITS	Orange	konkan	240	200	250	10
	Lemon	Konan seed less	855	1500	220	10
	Mango	Indira Nandiraj	714	50	211	11
	Mango	Mallika	590	50	210	10
	Mango	Amrapali	578	50	210	10
	Sapota	Cricket Ball	110		30	5
	Guava	alahabad safeda	215			
	Guava	L-49	1950			
	Jaick fruit	Local	950	50	50	5
	Anola	Local	1430	30	161	10

	Black bery	Local	700		150	10
	Bel	Local	789			
	Karonda	Local Lal hara	18600	2000	320	11
SPICES						
VEGETABLES	Drumstick	PKM-1	670		280	10
FOREST SPECIES						
ORNAMENTAL CROPS						
PLANTATION CROPS						
Others (specify)						

Bio-products

Sl. No.	Product Name	Species	Quantity	
			No	(kg)
BIOAGENTS				
1	Trichoderma			
2	Rhizobium			
3				
BIOFERTILIZERS				
1	Vermicompost	84120	28	841200/-
2	NADEP	10830	36	541525/-
3				
BIO PESTICIDES				
1	Dasparni arkl			
2	Pesticides			
3				

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
1	Bio Fertilizers	Non Symbiotic Azotobacter						

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
		Vermicompost		84120	28	841200/-	Used in kvk farm	20 ha
		Azolla						
		Earthworms						
		Compost						
		Blue Green Algae						
		NADEP		10830	36	541525/-	Used in kvk farm	20 ha
		Sanjeewani Khad						
		Acetobactor						
		Aspergillus						
		Azatobactor						
		Azospirillum						
		Phosphate solublizing Bacteria						
		Rhizobium						
		Other (pl. sp.)						
2	Bio-Food	Spirulina						
		Honey						
		Any Other (pl. sp.)						
3	Bio Pesticides	Neem extract						
		Neem powder						
		Tobacco extract						
		<i>Trichoderma viride</i>						
		<i>Trichoderma harjinum</i>						
		<i>Trichogramma chilonis</i>						
		<i>Beauveria bassiana</i>						
		<i>Metarhizium anisopliae</i>						
		<i>Pseudomonas fluorescens</i>						
		SINPV						
		HaNPV						
		GF1						
		Baco Lures						
		Heli Lures						

S.No	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Species	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
		Leucin Lures						
		Paecilomyces						
		Panchagavya						
		Verticillium						
4	Bio Agents (Tricho card)	<i>Trichogramma chilonis</i>						
		<i>Chrysoperla carnea</i>						
		Tricho card						
		Any other (Pl. Specify)						
5	Bio Agents (Pyrilla parasitoids)	<i>Ooencyrtus papilionis</i>						
		<i>Epiricania melanolauca</i>						
6	Bio Agents(Worms)	<i>Eisenia fetida</i>						
		<i>Eudrilus eugeniae</i>						
		Earth worm						
		Any other (pl. specify)						
7	Others	Mushroom spawn						
		Mineral Mixture						
		Cow dung (dry)						
		Any other (pl. specify)						

LIVESTOCK

S.No	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
1	Dairy animals	Cow	Gir	Milk	Kg	4286.25	185068	28
		Calves	-	-	-	-	-	-
		Goats	-	-	-	-	-	-
		Buffaloes	-	-	-	-	-	-
		Sheep	-	-	-	-	-	-
		Breeding bull	-	-	-	-	-	-
		Other (pl specify)	-	-	-	-	-	-
	Poultry	Poultry	Kadaknath	Meat	Kg.	49.081	22170.6	16

S.No	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
2		Japanese quail	J. Quail bird	Meat	No.	10674	426960	122
		Japanese quail eggs	J. Quail	Egg	No.	2904	3630	17
		Japanese quail chicks	J. Quail	Chicks	No.	18275	182750	43
		Poultry	Kadaknath	Egg	No.	2067	16536	62
		Other	Kadaknath	Chicks	No.	647	51760	42
3	Piggery	Piglets						
		Boar						
		Sow						
		Other (pl specify)						
4	Fisheries	Indian carp						
		Exotic carp						
		Other (pl specify)						

Literature to be Developed/Published

KVK News Letter

Period	Quarter	Number of copies published	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/ block/Panchayat Official, D.M. etc.
January to March 2022	Q1	250	250	farmers, officers
April to June 2022	Q2	250	250	farmers, officers
July to September 2022	Q3	250	250	farmers, officers
October to December 2022	Q4	250	250	farmers, officers

Details of Electronic Media to be Produced

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

Literature developed/published

Type	Number (please don't give mass please fill number only)	Number of copies printed (please don't give mass please fill number only)
Abstract	3	252
Book		
Book Chapter		
Booklet		
CD/DVD		
Leaflets/ Folder/ Pamphlet	5	2000
Popular article	1	1000
Research Paper	1	200
Technical Bulletin	5	1500
Training Manual	-	-
Technical Report	7	2
Year Planner	1	100
Others (pl. specify)		

Activities of Soil and Water Testing Laboratory

Year of establishment: 2017-18

List of equipments purchased:

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

Details of Soil samples analyzed:

Soil Testing Kits till date		No of soil samples		No. of Samples analyzed		By Depart ment	No. of Farmers benefited		By Depart ment	No. of Villa ges cove red	Amo unt reali zed	Soil health card distributed to the farmers by KVK (Nos)	
Sancti oned	Procu red	Collec ted by KVKs	Provi ded by Dept./ DDA	Mini Soil Test ing kit	Soil testin g labora tory		Mini Soil Test ing kit	Soil testin g labora tory				Throu gh Mini Soil Testi ng kit	Throu gh Soil testin g labora tory
2	2	276	-	276	-	-	276	-	-	13	Nil	276	-

Details of water samples analyzed :

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

Details of Plant samples analyzed :

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

Footfall of farmers in KVKs (Jan. 2022 to Dec. 2022)

Name of KVK	Footfall during 2022			
	No. of Farmers	No. of officials	No. of VIPs	Total
Mahasamund	1845	39	29	1913

* JPEG Photographs (2-3 only)

Status of Kisan Mobile Advisory (KVK-KMA)

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
1	Crop Management	Crop Production Technology	8	5	4	83839	1142	87693
		Integrated Farming						
		Field Preparation						
		Any Other (Specify)						
2	Weather	Advisory	12	8	8	83839	1142	87693
		Change in variety						
		Change in Sowing technique						
		Climate forecast	10	8	8	83839	1142	87693
		Any Other (Specify)						
3	Soil Management	Soil Testing	8	5	5	83839	1142	87693
		INM						
		Fertilizer Application						
		Vermicomposting/ bio-waste recycling	8	5	5	83839	1142	87693
		Bio-fertilizer						
		Any Other (Specify)						
4	Disease & Pest Management	Disease Management	6	7	7	83839	1142	87693
		Pest Management	6	7	7	83839	1142	87693

S. No.	Thematic area	Particulars	No of Calls	No of advisory sent	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
		Preventive Advisory Disease Management	10	8	8	83839	1142	87693
		Preventive Advisory Pest Management	10	8	8	83839	1142	87693
		Bio-pesticides						
		Any Other (Specify)						
5	Nutrition Security & Women Empowerment	Nutrition Awareness						
		Kitchen garden						
		Value Addition and Processing						
		Drudgery Reduction						
		Entrepreneurship & Income Generation						
		Advisory						
		Any Other (Specify)						
6	Horticulture	Vegetable	5	4	4	83839	1142	87693
		Fruit	7	5	5	83839	1142	87693
		Hi Tech Horticulture						
		Any Other (Specify)	7	6	6	83839	1142	87693
7	Livestock	Feed and Fodder						
		Dairy Management	10	7	7	83839	1142	87693
		Fisheries						
		Poultry Management	10	7	7	83839	1142	87693
		Vaccination & Disease management						
		Any Other(Specify)						
8	Farm Mechanization		8	6	6	83839	1142	87693
9	Extension		12	7	7	83839	1142	87693
10	Organic Farming		8	5	5	83839	1142	87693
11	Marketing							
12	Awareness		10	5	5	83839	1142	87693
13	Other Enterprise							
14	Any Other(Specify)							

Status of KVK Website during Jan to Dec. 2022

Date of start of website	Address of Website	No. of updates during 2021	No. of visitors during 2021	Flag Collected	Year Planner
February 2014	www.kvkmahasamundcg.org	52	21156	38	Mahasamund

Mobile Apps developed by KVK during 2022

S.No	Name of KVK (Developer)	Name of Host organization	Title of Mobile App	Content (in one line)	Languages (in which app developed)	Number of downloads	Total expenditure incurred in developing app (Rs.)

ICT based module

Information on Whats app in social media by KVK

KVK	Discipline wise group with name of discipline	No of Farmer members	Activity details on whats app group
Mahasamund	Agronomy, Horticulture, Soil Sciences, Soil and water Engerring, Livestock Management and Agro-Meteorology	5000	Agriculture Based different technology in Mahasamund District Chhattisgarh.

Information on social media by KVK

KVK	Facebook			Twitter		Instagram	
	Scientists linked	Farmers connected	No of Post	No of tweets	People following	No of share	People following
				41	30		

DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Mahasamund	Gosthies	5	436	Kissan Gosthies
Mahasamund	Lectures organized	22	650	Lectures Delivered
Mahasamund	Exhibition	5	1265	Agri tech
Mahasamund	Film show	10	575	Crop Production technology
Mahasamund	Fair			
Mahasamund	Farm/ Field Visit	108	221	Crop Production,livestock
Mahasamund	Diagnostic Practical's	12	32	
Mahasamund	Distribution of Literature (No.)			
Mahasamund	Distribution of Seed (q)			
Mahasamund	Distribution of Planting materials (No.)			
Mahasamund	Bio Product distribution (Kg)			
Mahasamund	Distribution of Bio Fertilizers (q)			
Mahasamund	Distribution of fingerlings			
Mahasamund	Distribution of Livestock specimen (No.)			
Mahasamund	Total number of farmers visited the technology week	36	1845	Farmers Visited
Mahasamund	Animal health camp	1	59	Vaccination deworming and teatment
Mahasamund	Awareness programme	9	516	Awareness programme under Millets,natural farming,organic

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
				farming,drone technology, jal sakti abhiyan , swachta abhiyan,meterology alert, natural farming , quail ,poultry
Mahasamund	Demonstration			
Mahasamund	Exposure visit	2	59	
Mahasamund	Ex-trainees Meet			
Mahasamund	Farmer scientist interaction	12	396	Awareness , demonstration, advisory
Mahasamund	Farmers Training	65	912	Farmers Training
Mahasamund	Gajarghans Unmulan Pakhwada	1	21	Gajarghans awareness programme
Mahasamund	Group Meeting	6	128	
Mahasamund	Jai Kisan Jai Vigyan Sangoshthi	1	112	Awareness programme
Mahasamund	Plant Protection Week			
Mahasamund	Seed treatment campaign			
Mahasamund	Self Help Group convener meet	1	32	SHG awareness, implementation
Mahasamund	Soil health Camp			
Mahasamund	Swachha Bharat Abhiyan	24	148	Cleaning ,Awareness
Mahasamund	Others (Pl. Specify) Partheenium week	1	21	Parthenium Celebration

Participation in HRD Programmes organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	SS&H	1	29th zonal workshop of KVKS organized by ICAR, ATARI, Zone IX, Jabalpur
Mahasamund	Mrs.Rajni D.Agashe	SMS(Agril.Extension)	2	-
	Total		3	

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Mahasamund	2	3

Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Mahasamund	Dr. S. K. Verma	SS&H	12	
Mahasamund	Dr Saket Dubey	SMS(Horticulture)	1	Processing of Fruits & Vegetables and Minor Millets
Mahasamund	Sh. Rajne Agase	SMS (Agri Extension)	3	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Mahasamund	3	16

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

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Duration (days)	Type of HRD activities (Refresher course/CAFT/Summer winter school/short course)
Mahasamund	Dr Satish Kumar Verma	SS&H	1	Two days (13th-14th aug 2022)	Attended capacity building for NICRA-KVK at ICAR-CRIDA, Hyderabad
Mahasamund	Dr Satish Kumar Verma	SS&H	1	Six days (30 Jan to 04 Feb 2023)	Attended training programme on national facilitators development programme for agricultural extension management (NFDP) at MANAGE, Hyderabad.
Mahasamund	Dr Satish Kumar Verma	SS&H	1	Two days (14th-15th Mar 2023)	Attended national seminar on spices and aromatic crops-prospects and potential in Chhattisgarh at BTC CARS Bilaspur
	Dr Satish Kumar Verma	SS&H	1	One day (25 th Apr 2022)	To attended and delivered lecture on promotion of crop diversification through KVK in kissan bhagidari prathmikita hamari abhiyan campaign under Azadi ka Amrit Mahotsav at ICAR, NIBSM, Baronda, Raipur
Mahasamund	Mrs.Rajni D.Agashe	SMS(Agril.Extension)	5	3 & 6 Days	Training programme
Mahasamund	Mrs.Rajni D.Agashe	SMS(Agril.Extension)	1	3 months	short course

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Mahasamund	2	10

Information for TSP Jan-Dec-2022

S I. N o .	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Participa nts in exte nsio n activ ities	Prod ucti on of seed (q)	Prod ucti on of Plan ting mat erial (Nu	Prod ucti on of Live stoc k strai ns	Prod ucti on of fing erlin gs (Nu mbe	Testin g of Soil, water, plant, manur es sample s
	No. of Traini ngs/D emos	No. of Farm ers	No. of Trainin gs/Demos	No. of Wo me n Far	No. of Trainin gs/Demos	No. of Yo ut hs	No. of Trainin gs/Demos	N o. of Ex t. Pe	O n - f a r	Fro ntli ne demo s	Mo bile agr o-adv isor						

				me rs				rs on	m tr ia ls		y to far me rs	(No.)		mbe r in lakh)	(Nu mbe r in lakh)	r in lakh)	(Numb er)

39. Information for SCSP Jan-Dec-2022

S I. N o.	Farmer Training		Women Farmer Training		Rural Youths		Extension Personnel		Number of farmers involved			Partic ipant s in exten sion activi ties (No.)	Pro duc tion of seed (q)	Prod ucti on of Plan ting mat erial (Nu mbe r in lakh)	Prod ucti on of Live stoc k strai ns (Nu mbe r in lakh)	Prod ucti on of fing erlin gs (Nu mbe r in lakh)	Testi ng of Soil, wate r, plant , man ures samp les (Num ber)
	No. of Traini ngs/D emos	No. of Farm ers	No. of Trainin gs/De mos	No. of Wo men Far mers	No. of Trainin gs/De mos	No. of Yo ut hs	No. of Traini ngs/D emos	No. of Ext . Pe rso n	O n- fa r m tri als	Fro ntli ne de mo s	Mo bile agr o- adv isor y to far mer s						

40. Information for KSHAMTA Jan-Dec-2021

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

Activities in Nutri-Smart Village during Jan-Dec-2022

Information about Nutri-Smart Village

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

1. Technologies Assessed (OFT) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) (m ²)	1	8	1.5 each	5
	Bio-fortified Crops (activity in no. of Unit) (ha)				
	Value addition (activity in no. of Unit/Enterprise)				
	Value addition (activity in no. of Unit/Enterprise)				
	Other Enterprises (activity in no. of Unit)	1	2	1 Unit	1

	Unit/Enterprise)				
	Income generation (activity in no. of Unit/Enterprise)	1	2	5 Unit	5
	Drudgery reduction (activity in no. of Unit/ Enterprise)				

2. Technologies Demonstrated (FLD) in Nutri Smart Village

Name of KVK	Thematic area	Name of Intervention	No. of Activity	Area	No. of beneficiaries
	Nutritional Garden (activity in no. of Unit) (m ²)	1	8	1.5 each	5
	Bio-fortified Crops (activity in no. of Unit) (ha)				
	Value addition (activity in no. of Unit/Enterprise)	1	4	-	23
	Other Enterprises (activity in no. of Unit/Enterprise)	1	2	1 Unit	1
	Income generation (activity in no. of Unit/Enterprise)	1	2	5 Unit	5
	Drudgery reduction (activity in no. of Unit/Enterprise)				

3. Training Programme conducted in Nutri Smart Village

Name of KVK	Training Title	No. of Courses	Duration (Days)	Gen		SC		ST		Other		Total
				M	F	M	F	M	F	M	F	
Mahasamund	Mushroom production technology	2	14	0	17	7	12	5	9	5	20	75

4. Extension Activities in Nutri Smart Village

Name of KVK	Activity	No. of activities	SC		ST		Other		Officials		Total
			M	F	M	F	M	F	M	F	
KVK Mahasamund	Method demonstration, Group meetings, Swachata pakhwada	8	15	10	4	7	15	45	0	0	96

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 of ATMA

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

Flagship programmes implemented at KVK

(NICRA, ARYA, Natural farming, CBBO, Seed Hub, Agri Drone etc)

Name of Flagship programmes: NICRA

Month	Activity details	Beneficiaries/Area/Coverage
Janurary	Training on Importance of Minor Millets	31
February	Demonstration on Line Sowing of Finger Millet through Seed Cum Ferti Drill	01
March	Training on Spices and Aromatic Crops	50
May	Opening of Custom Hiring Centre	50
June	Training on Role of Agriculture Implements in Mitigating Climate Change	39
June	Distribution of Pigeon Pea seeds	05
July	Demonstration of Improved Variety of Ginger (Suprabha)	05
July	Demonstration of Improved Variety of Turmeric (Roma)	05
August	Demonstration of Water Chestnut Cultivation	05

September	Establishment of Low Cost Protected Structures for Nursery raising	05
September	Distribution of Horticulture Plants Seedlings /Saplings	38
September	Training on Plant Protection in paddy	37
September	Demonstration of Paddy Straw Mulching in Vegetables	08
September	Demonstration of Okra Cultivation	10
September	Mulching in Vegetables	05
October	Exposure Visit at IGKV Raipur	38
October	Animal Health Camp cum training	26
October	Distribution of Horticulture Plants Seedlings /Saplings	42
November	Swachhata Pakhwada celebration	34
November	Exposure Visit at IARI New Delhi	03
December	Participation in International Conference on Reimaging Agriculture	02
December	World Soil Day	52

Name of Flagship programmes: Drone

Month	Activity details	Beneficiaries/Area/Coverage
Janurary	Demonstration on Application of Agri Chemicals	45
May 2022	Drone Spray technology demonstration at KVK mahasamund field	24 farmers
May	Demonstration on Application of Chemical	25
September	Demonstration on Application of Nano Urea	25

Crop Cafeteria

Total Area of Crop cafeteria: 1800 Sq m

Crop	Season	Variety	Particulars /details	Area (Sq m)
Maize	Kharif	NK-30	Fodder	200
Jwar(Sorghum)	Kharif	PC-23	Fooder	200
Bhindi	Kharif	VNR-Deepika	Vegetable	200
Cow-pea	Kharif	Kashi Kanchan	Vegetable	200
Turmeric	Kharif	Salem	Spices	200
Turmeric	Kharif	Roma	Spices	200
Ginger	Kharif	Suprabha	Spices	200
Black Gram	Kharif	Indira Urd Pratham	Pulses	200
Black Gram	Kharif	Pratap	Pulses	200
Wheat	Rabi	CG1023 (C.G. Hansa)	Cereal	100
Wheat	Rabi	CG1029 (Kanishka)	Cereal	100
Wheat	Rabi	CG1040	Cereal	100

Wheat	Rabi	CG1044	Cereal	100
Wheat	Rabi	CG03	Cereal	100
Wheat	Rabi	CG1036(Vidha)	Cereal	100
Coriander	Rabi	CG Shri chandrasahini	Spices	200
Cauliflower	Rabi	Maghichanda-16	Vegetable	200
Chilli	Rabi	VNR Unnati60-13	Vegetable	200
Tomato	Rabi	Satabdi S-6601	Vegetable	200
Brinjal	Rabi	VNR-212	Vegetable	200
Lathyrus	Rabi	Pratik	Vegetable	100
Mustard	Rabi	CG Sarson-1	Oilseed	100

Details of Demonstration Unit at KVK

Demonstration Unit	Particulars /details	Area (Sq m)	Output /Production
Quail Unit	Japanese Quail	369	100000chick
Dairy Unit	Cow- Gir (6 Milking, 2 Male, 12 Heifer)	213	5475 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

Success stories/Case studies identified for development as a case: 3(no.)

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

Name of the KVK	Mahasamund (attached in separate file)
TITLE	
Introduction	
KVK intervention	
Output	
Outcome	
Impact	
Photographs (2-3	

Photographs with caption in .jpeg format)	
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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	Dhansuli	Mahasamund	10 KM
2	Achola	Mahasamund	30 KM

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

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