ANNUAL PROGRESS REPORT

January 2019 to December 2019

Contents

Instructions for Filling the Format

1. **Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
2. **Do not merge columns, rows.**
3. **Please repeat the name of KVK in each table in the column "Name of KVK"**
4. **Do not fill the non-numerical values in numeric field**
5. **Do not repeat the unit while reporting data as it is already mentioned in the heading row**
6. **Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
7. **Please mention only standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
8. **Additional relevant information may be provided at the end of Format by creating heading "Additional Information"**
9. **Also read the instructions mentioned just below the table**
10. **Your suggestions for improvement in the format for your simplicity as well as data compilation may be given at the end of the format**
11. **Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**
12. **Grey color cells in summary table need not to be filled.**
13. **Crop name should be spelled correct and standard English name should be used i.e Cereals, Pulses, Oilseed:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use Gram, Chana), Field pea, Horse gram (Kulthi), Lentil, Mustard (not use Rai, Sarsoan), Soybean, Linseed, Groundnut, Sesame (not use Til), Niger (not use Ram Til), Safflower (not use Kusum).**
    Vegetable:- Vegetable pea, Bottle guard, Bitter guard, Okra (not use Bhindi or Lady finger).
    Fruits:- Mango, Guava, Custard apple, Pear etc.
    Spices:- Black Peeper, Turmeric, Ginger, Cardamom etc.

REPORTING PERIOD – January 2019 to December 2019

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2019

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	**20**	104	
	On Going OFT	**11**	55	
	Technologies assessed (Completed OFT)	**9**	45	
	Technologies refined	**-**	-	
	On farm trials conducted	**10**	50	
2	**Frontline demonstrations**	**18**	**221**	
	Proposed Frontline demonstrations	18	221	
	On Going Frontline demonstrations	18	221	
	FLDs conducted on crops	13	156	
	Area under crops (ha.)	65	156	
	FLD on farm implement and tools	5	65	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	00	00	
	FLD on Fisheries - Finger lings	00	00	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	00	00	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	00	00	
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	20	19	537
	Farm women	24	24	892
	Rural youth	5	12	507
	Extension personnel/ In service	4	8	244
	Vocational trainings	9	45	219
	Sponsored Training	24	24	534
	Total	86	133	2933
		No. of programmes	**Participants**	
4	**Extension Programmes**	46	1672	
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	80.07	425	
	Planting material produced (nos.)	60000	226	
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	-	-	
	Milk Yield - Cow, Buffelo etc. (in liter)	1803.5	10	
	Fish (Kg.)	100	5	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	150	10	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	
7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)			
	Trichoderma (kg.)	500	1000	
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	**1000**	-	

	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	-	-	
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	9	9	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	53	Mass	
	KVK News letter	4000	Mass	
	SAC Meetings conducted	01	80	
	Soil sample tested	1707	7900	
	Water sample tested	00	00	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	07	384	
	KVK-KMA (Message and beneficiaries)	41	75077	
	Convergence programmes	10	Mass	
	Sponsored programmes	10	Mass	
	KVK Progressive Farmers interaction	52	1300	
	No. of Technology Week Celebrations	1694	Mass	
	Attended HRD activities organized by ZPD	13	13	
	Attended HRD activities organized by DES	39	27	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	1	1	
9	Current status of Revolving Funds (Amt. in Rs.)	2930977.69		
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	04	1013	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	02	25	04
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	56	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	NIL	NIL	
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	NIL	NIL	
15		**Filled**	**Vacant**	
	Staff Position	12	04	
16	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	52		
17	Publication received from ICAR /other organization (nos.)	100		
18		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	02	02	
19	Activities performed in Sansad Adarsh Gram	**Nos. of Activities**	**Participants/ beneficiaries**	
		06	310	
20	Current status of Contingency (Amt. in Rs.)	0.00	0.00	

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on December, 2019

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
KAWARDHA	16	1	0	6	4	03	03	6	5	16	12

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay scale	Present pay	Date of joining	Per. /Temp.	Category
Kawardha	Senior Scientist and Head	Vacant				37400-67000+8000 Rs. 9000				
Kawardha	Subject Matter Specialist1	Dr. B.P.Tripathi (I/c Senior Scientist and Head)	Plant Pathology	Ph. D.	Plant Pathology	15600-39100 + 5400 AGP		06.09.2012		Others
Kawardha	Subject Matter Specialist2	Er. T.S.Sonwani	F.M.P	M. Tech.	F.M.P	15600-39100 + 5400 AGP		10.09.2012		SC
Kawardha	Subject Matter Specialist3	Smt.Rajeshwari Sahu	Horticulture	M.Sc.	Horticulture	15600-39100 + 5400 AGP		19.02.2013		OBC
Kawardha	Subject Matter Specialist4	Sh. B.S. Parihar	Agronomy	M.Sc.	Agronomy	15600-39100 + 5400 AGP		18.09.2014		Others
Kawardha	Programme Assistant	Smt. Swati Sharma	Entomology	M.Sc.	Entomology	9300-34800 +4200 AGP		05.11.2014		Others
Kawardha	Computer Programmer	Mr. Yogesh Kumar Kaushik	Information Technology	BE (IT)	Information Technology	9300-34800+4200 AGP		12.07.2013		OBC
Kawardha	Farm Manager	SMT.Tripti Thakur	Soil Science	M. Sc.	Soil Science	9300-34800 +4200 AGP		26.10.2019		ST
Kawardha	Accountant / superintendent	Shri A. K. Khare	Economics	M.A.,LLB	Economics	5200 – 20200 + 2400 AGP		28.07.2010		SC
Kawardha	Stenographer	Vacant								
Kawardha	Driver	Shri Khileshwar Sahu		Higher Secondary		5200-20200+1900 AGP		01.04.2013		OBC
Kawardha	Driver	Shri Haran Ram Kaushik		Primary		5200-20200 +1900 AGP		01.04.2013		OBC
Kawardha	Supporting staff	Shri. Salik Ram Lodhi		Middle		4750 – 7400 + 1300 AGP		16.09.2008		OBC
Kawardha	Supporting staff	Shri Shiv Kumar Lodhi		Primary		4750 – 7400 + 1300 AGP		16.09.2008		OBC

1.2. DISTRICT PROFILE (detail of geographical area, cultivation, Land, resources, opportunities, irrigation, populations etc.)–

KVK Name	Agro-climatic zone	No. of Blocks	No. of Panchayats	Population	Literacy	SC and ST Population	No. of farmers	Average land holding
Kawardha	CG Plain	04	371	822526	61.95%	62466	154040	1.8 ha

Sr. No.	Particulars	Quantity/Area
1.	Geographic Area	444000 ha
2.	Rainfall	830.00 mm
3.	Forest Area	189451 ha
4.	Double Cropped Area	87634 ha
5.	*Kharif* Area	161381ha
6.	*Rabi* Area	145734ha
7.	Total Cultivated Area	307115ha
8.	Net Cultivated Area	185064 ha
9.	Cropping Intensity	166 %
10.	Barren Land	16028ha
11.	Cultivable fallow land	5027 ha
12.	Pasture lands	38957ha
13.	Kharif Irrigated Area	80393 ha
14.	Rabi Irrigated Area	57400ha
15.	Net Irrigated Area	80393 ha

1.3. DETAILS OF ADOPTED VILLAGE during the reporting period

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kawardha	**Gangpur**	**2019-20**	**S.Lohara**	**22 km**	**816**	**220**
Kawardha	**Rajanawagaon**	**2019-20**	**Kawardha**	**15km**	**2786**	**1500**
Kawardha	**Pathrra**	**2019-20**	**Kawardha**	**25km**	**586**	**109**

1.4. THRUST AREAS identified by KVK

KVK Name	THRUST AREA
KAWARDHA	Introduction of sugarcane varieties resistant to Whip Smut
KAWARDHA	Varietal replacement in various crops
KAWARDHA	Change in Paddy-chick pea/ soybean- chick pea cropping systems
KAWARDHA	Introduction of sugarcane varieties resistant to red rot, root borer and shoot borer
KAWARDHA	Insuring production and availability of *Trichoderma viride* locally
KAWARDHA	Combined use of organic manures and inorganic fertilizer
KAWARDHA	Enhancement of milk & meat productivity through improved breeds
KAWARDHA	Farm mechanization through improved agricultural implements
KAWARDHA	Employment generation for rural women & rural youth through income generation activities

1.5. PROBLEM IDENTIFIED by KVK

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Kawardha	Lack of awareness of improved agricultural technologies	Discussion with farmers, field visit	**Rajanawagoan/Bodla**
Kawardha	Non-availability of quality kabirdhs of suitable HYVs	Discussion with farmers	**Khairbana/Kawardha**
Kawardha	Lack of suitable agricultural implements for seeding of crops	Discussion with farmers, field visit	**Mohgoan/pandariya**
Kawardha	Lack of proper agricultural infrastructures including irrigation	Discussion with farmers	**Karesara/Lohara**
Kawardha	Non-awareness regarding effective control of various pests and diseases (insects, diseases and weeds)	Discussion with farmers and Field visit	**Gulalpur/Lohara**
Kawardha	High incidence of pests and diseases, Improper use of fertilizer and chemicals	Discussion with farmers, field visit	**Daujari/Kawardha**
Kawardha	Less knowledge about post harvest handling of agriculture produce	Discussion with farmers, field visit	**Pathhra/Kawardha**
Kawardha	Lack of awareness of improved agricultural technologies	Discussion with farmers, field visit	**Ranveerpur/Lohara**

2. On Farm Testing (OFT)

Note-

- **Thematic area should be spelled correct and select only on the given list.**
- **Crop name should be spelled correct and standard English name should be used i.e Chick pea in place of gram/chana , Paddy in place of Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.**
- **Don't press enter key to navigate among column use arrow or tab key**
- **don't add space before or after statement within the table cell**
- **Kindly mention realistic estimated yield of your crop under trail.**
- **If crop has been not yet harvested, mark it * on that**

Thematic Areas for OFT/FLD

Thematic Areas for OFT/FLD	Parameters Name and unit
OFT/FLD on Crops	
Agro Forestry	Yield q/ha
Crop Diversification	insect population/plant
Integrated Crop Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod
Integrated Farming system	Rhizome wt/Plant(g)
Integrated Disease Management	Disease incidence (%)
Integrated Nutrient Management	No of effective tillers/hill
Integrated Weed Management	No of weeds/m2
Varietal Evaluation	Plant Height(cm), No of pods/plant, No of Siliquae/plant, No. of Grain / pod, Fruit wt(g)
Integrated Pest Management	Insect Infestation (%), No. of Larvae or insect / meter row length
Integrated Plant Nutrient Management	No of pods/plant, No of Siliquae/plant, No. of Grain / pod Fruit Length(cm) , Fruit wt(g), No of nodules/plant
Feed and Fodder Production	Fruit Length(cm) ,
Resource conservation Technology	Plant Height(cm),
Soil Fertility Management	No of Cobs/plant
	No of Larvae/m^2
	No of Panicles/m^2
	No of Tillers/hills
	No of Bulb weight(g)
	No of Grains/panical
	No. of tubers/plant
	Weight of Curd/head (g/plant)
	No. of Siliquae or Capsule /plant
	Seedling Germination (%)
OFT/FLD on Agriculture Engineering	
Farm Mechanization	Yield (q/ha)

Resource Conservation Technology	Field Capacity (ha/hr)
Post-Harvest Management	Cleaning efficiency %
Storage loss minimization Technology	Cleaning Capacity q/hr
Small Farm Implements	weed population per m2
	tillers/plant
	water inefficiency
	irrigation efficiency
OFT/FLD on Animal Science	
Animal Feed / Fodder Management	**Milk yield (Lit/day/animal)**
Animal Disease Management	**Change in body weight(kg)**
Animal Nutrition Management	**Egg Production/bird/year**
Livestock production & management	**% decrease in Worm**
Animal breed evaluation	**Parasite control (%)**
Poultry Production and management	**Body weight at 6 month (kg/goat)**
	Parasite infestation (%)
	Live weight (kg/bird) at 3 Month
	Growth Rate (90 days)
	Yield q/ha (Fodder)
	Mortality %
	Feed intake(%)
	Disease infestation(%)
OFT/FLD on Fisheries	
Fingerling Production in Seasonal Ponds	Yield (q/ha)
Composite Fish Farming	Yield (q/ha), ABW (kg)
Fish Nutrition	Survival Rate (%)
Fish-cum-Duck Farming	Disease incidence (%)
Fish Production & Management	
Fish Breeding	
Fish Seed Production	
Spawn to fry production	
Integrated Farming System	

2.1 Information about OFT: (Rabi-2018-19)

Title of on-farm trial:	**Assessment of chemical weed management in Chickpea**
Year/Season:	Rabi 2018-19
Farming situation:	Irrigated
Problem diagnosis:	**Heavy Yield Loss due to Weed Infestation, Laboure Problem Major Weed (Medicago denticulata)**
Thematic area:	**Weed management**
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Application of herbicides in Chickpea	
T1 – Farmers Practice-	**No use of herbicides, delayed manual weeding due to laboure problem**
T2 –Recommended Practice-	**Use of pendimethlin30%EC @1.00Kg a.i./ha PE a.i./ha PE**
T3- Recommended Practice-	**Use of Oxyflurofen 23.5% EC@0.25Kg a.i./ha PE**
Date of sowing:	November
Date of harvesting:	March
Source of technology:	**IGKV, Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Chickpea**
Recommendations for Farmers	**Use of Pendimethline 30%EC@1.00kg ai/ha PE**
Recommendations for Deptt. Personnel	
Feedback	**Farmers appreciated the technology**

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 15.80	q/ha	22880	66360	43480	2.90
T2(Recommended Practice)	Yield 17.60		23500	73920	50420	3.14
T3(Recommended Practice)	Yield 17.15	q/ha	23380	72030	48650	3.08

Title of on-farm trial:	**Chemical set treatment for control of Smut (Whip) disease in Sugarcane**
Year/Season:	Rabi 2018-19
Farming situation:	Irrigated
Problem diagnosis:	
Thematic area:	**IDM**
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Management of smut disease of sugarcane with new fungicide	
T1 – Farmers Practice-	No set treatment
T2 –Recommended Practice-	Set treatment with Tebuconozole 50% @ 0.1% solution for half to one hour
T3- Recommended Practice-	
Date of sowing:	November
Date of harvesting:	November
Source of technology:	**IGKV, Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Sugarcane**
Recommendations for Farmers	No set treatment
Recommendations for Deptt. Personnel	Set treatment with Tebuconozole 50% @ 0.1% solution for half to one hour
Feedback	**Farmers appreciated the technology**

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 750.42	q/ha	79600	228878	149278	2.80
T2(Recommended Practice)	Yield 853.69	q/ha	77800	260375	182575	3.34

Title of on-farm trial:	**Assessment of Homestead farming for nutritional security of Farmfamilies**
Year/Season:	Kharif & Rabi 2018-19
Farming situation:	Rainfed, Irrigated/ Round the year
Problem diagnosis:	Improper utilization of Homestead garden for family requirement, leads to nutritional deficiency among them.
Thematic area:	Integrated crop management
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Homestead farming	
T1 – Farmers Practice-	Vegetable and fruit crops are grown according to their choice, not on the basis of their nutritional requirement
T2 –Recommended Practice-	Kharif- Fruit+ Vegetable+ Spices and condiments Rabi-Fruit+ Vegetable+ Spices and condiments +Tuber crops Zaid- Leafy vegetable+ Tuber crops
T3- Recommended Practice-	
Date of sowing:	Round the year
Date of harvesting:	Round the year
Source of technology:	**IGKV, Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Sugarcane**
Recommendations for Farmers	Vegetable and fruit crops are grown according to their choice, not on the basis of their nutritional requirement
Recommendations for Deptt. Personnel	Kharif- Fruit+ Vegetable+ Spices and condiments Rabi-Fruit+ Vegetable+ Spices and condiments +Tuber crops Zaid- Leafy vegetable+ Tuber crops
Feedback	It is accepted by farmers that through scientific cultivation , most of the month in a year farmer are able to fulfill their daily requirement from Homestead farming

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 32.9	q/ha	18972	27452	8480	1.44
T2(Recommended Practice)	Yield 53.45	q/ha	16980	48982	32002	2.88

Title of on-farm trial:	**Assessment of Multicrop planter for sowing of Soybean –Pigeon Pea –Chickpea Intercropping**
Year/Season:	Rabi 2018-19
Farming situation:	Irrigated
Problem diagnosis:	In Soybean Pigeon pea intercropping farmer does not take any crop in rabi after the harvesting of Soybean
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: Use of Multicrop planter for Sowing of Soybean and Pigeon Pea in Kharif and Chickpea in place of Soybean During Rabi	
T1 – Farmers Practice-	Seed cum fertilizer drill
T2 –Recommended Practice-	Multicrop planter
T3- Recommended Practice-	
Date of sowing:	October
Date of harvesting:	March
Source of technology:	**FAE, IGKV Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Chickpea**
Recommendations for Farmers	Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Multicrop planter
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 18.86	q/ha	34560	71172	36612	2.06
T2(Recommended Practice)	Yield 26.09	q/ha	44880	101538	56658	2.26

Title of on-farm trial:	**Assessment of Broad bed Furrow for line sowing of chickpea**
Year/Season:	Rabi 2018-19
Farming situation:	Irrigated
Problem diagnosis:	Low yield Due to traditional method of sowing because broadcasting causes improper coverage of seed and fertilizer, Drainage or water logging
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: Use of broad bed Furrow Seed Drill	
T1 – Farmers Practice-	Sowing of Chickpea through Seed cum fertilizer drill
T2 –Recommended Practice-	Sowing of Chickpea through of broad bed Furrow
T3- Recommended Practice-	
Date of sowing:	October
Date of harvesting:	March
Source of technology:	**FAE, IGKV Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Chickpea**
Recommendations for Farmers	Sowing of Chickpea through Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Sowing of Chickpea through of broad bed Furrow
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 16.10	q/ha	22800	67620	44820	2.96
T2(Recommended Practice)	Yield 18.50	q/ha	22500	77700	55200	3.45

Title of on-farm trial:	**Assessment of culture of Pangasius fish in fish culture pond**
Year/Season:	Kharif/Rabi 2018-19
Farming situation:	Mid land/low land
Problem diagnosis:	Lack of knowledge about Pangasius fish production technology
Thematic area:	**Pangasius fish production**
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Production & Management	
T1 – Farmers Practice-	Culture of Indian Major carps
T2 –Recommended Practice-	1.Stocking of Pangasius fish seed @20,000 /ha pond 2.Use of ABIS Floating feed @ 5-3% BW
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	March
Source of technology:	**CIFA, Bhubaneswar -2011**
Characteristics of technology:	
Name of Crop/Enterprises:	**Fish Production**
Recommendations for Farmers	Culture of Indian Major carps
Recommendations for Deptt. Personnel	1.Stocking of Pangasius fish seed @20,000 /ha pond 2.Use of ABIS Floating feed @ 5-3% BW
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 18	q/ha	100000	180000	80000	1.8
T2(Recommended Practice)	Yield 36	q/ha	250000	600000	350000	2.4

Title of on-farm trial:	**Assessment on fish production through use of vermi compost at village pond**
Year/Season:	Kharif/Rabi 2018-19
Farming situation:	Mid land/low land
Problem diagnosis:	Low yield due to poor availability of plankton
Thematic area:	Fish Production and management technology
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Production & Management	
T1 – Farmers Practice-	No use of vermi compost
T2 –Recommended Practice-	Vermicompost will produced plankton which is natural food of fish (2-3 ton /ha /year)
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	March
Source of technology:	**IGKV, Raipur (2006)**
Characteristics of technology:	
Name of Crop/Enterprises:	
Recommendations for Farmers	No use of vermi compost
Recommendations for Deptt. Personnel	Vermicompost will produced plankton which is natural food of fish (2-3 ton /ha /year)
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 15	q/ha	38000	82000	44000	2.1
T2(Recommended Practice)	Yield 21	q/ha	42000	96000	54000	2.2

Title of on-farm trial:	**Assessment of fish seed (Fingerling) production at Village Pond**
Year/Season:	Kharif/Rabi 2018-19
Farming situation:	Mid land/low land
Problem diagnosis:	Poor Survival of fish fry due to lack of feeding material in nursery pond
Thematic area:	Fry production
No of trials:	02
No. of farmers involved	02
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Nursery pond management	
T1 – Farmers Practice-	Traditional Method
T2 –Recommended Practice-	Stocking of fish spawn catla, rohu, mrigal (10 lac)Application of mustard oil cake+ rice bran(1:1) Application of lime200-250 kg/ha
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	March
Source of technology:	**CIFA, Bhubaneswar**
Characteristics of technology:	
Name of Crop/Enterprises:	**Fish Production**
Recommendations for Farmers	Traditional Method
Recommendations for Deptt. Personnel	Stocking of fish spawn catla,rohu,mrigal (10 lac)Application of mustard oil cake+ rice bran(1:1) Application of lime200-250 kg/ha
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	Yield 45	q/ha	71000	125000	54000	1.7
T2(Recommended Practice)	Yield 66	q/ha	79000	160000	81000	2.0

Information about OFT: (Kharif-Rabi 2019-20)

Title of on-farm trial:	**Assessment of Integrated crop management in rice**
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Use of high seed rate coupled with heavy infestation of weeds in biasi system of rice cultivation. Sometimes crop fails due to drought situation occurred at the time of biasi
Thematic area:	ICM
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: IWM	
T1 – Farmers Practice-	Farmers Practice (Delayed Manual Weeding)
T2 –Recommended Practice-	Application of Pretilachlor (6%) + Pyrazosulfuron (0.15% GR) at 600+15 g/ha at 6-8 days after transplanting and thin layer of water for 2-3 days
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**NIBSM, Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Rice- Chickpea**
Recommendations for Farmers	Farmers Practice (Delayed Manual Weeding)
Recommendations for Deptt. Personnel	Application of Pretilachlor (6%) + Pyrazosulfuron (0.15% GR) at 600+15 g/ha at 6-8 days after transplanting and thin layer of water for 2-3 days
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	45.40 (Yield)	q/ha	38350.00	82401.00	44051.00	2.14
T2(Recommended Practice)	52.65 (Yield)	q/ha	36150.00	95560.00	59410.00	2.64

Title of on-farm trial:	**Assessment of Self propelled Paddy transplanted for rice transplanting**
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	**Low yield Due to zig- zag transplanting of rice. Because plant population does not maintain proper. manual transplanting increase the cost of cultivation**
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: Use of Self propelled paddy Transplanter	
T1 – Farmers Practice-	Zig-Zag transplanting
T2 –Recommended Practice-	transplanting by Self propelled paddy Transplanter
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**FAE, IGKV Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Rice**
Recommendations for Farmers	Zig-Zag transplanting
Recommendations for Deptt. Personnel	transplanting by Self propelled paddy Transplanter
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	45.40 (Yield)	q/ha	38350.00	82401.00	44051.00	2.14
T2(Recommended Practice)	52.65 (Yield)	q/ha	36150.00	95560.00	59410.00	2.64

Title of on-farm trial:	**Assessment of Badi cultivation for nutritional and livelihood security of farm families**
Year/Season:	**Kharif- Rabi and Zaid 2019-20**
Farming situation:	Rainfed
Problem diagnosis:	**Due to improper management of Badi, nutrition requirement of farm families are not fulfill and hence more dependency on market for daily food requirement leads malnutrition and extra expanses among them**
Thematic area:	**HSG**
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Homestead Gardening	
T1 – Farmers Practice-	Only Vegetable production during Kharif and Rabi season
T2 –Recommended Practice-	Kharif-Fruit+ Vegetable+ Tuber+ Spice +Vermi composting Rabi- Fruit+ Vegetable+ Tuber+ Leafy vegetables + spices and condiments Zaid- Fruit+ Leafy Vegetables+ cucurbits+ spices and condiments
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**ICAR-2014**
Characteristics of technology:	
Name of Crop/Enterprises:	Kharif-Fruit+ Vegetable
Recommendations for Farmers	Only Vegetable production during Kharif and Rabi season
Recommendations for Deptt. Personnel	Kharif-Fruit+ Vegetable+ Tuber+ Spice +Vermi composting Rabi- Fruit+ Vegetable+ Tuber+ Leafy vegetables + spices and condiments Zaid- Fruit+ Leafy Vegetables+ cucurbits+ spices and condiments
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	33.50 q/ha	Yield	19472	28302	8830	1.45
T2(Recommended Practice)	52.40 q/ha	Yield	17294	46920	29626	2.71

Title of on-farm trial:	**Assessment of Water chestnut cultivation under MNREGA water bodies for livelihood support through efficient water utilization by SHGs**
Year/Season:	Kharif- 2019-20
Farming situation:	Rainfed
Problem diagnosis:	Due to improper management of Badi, nutrition requirement of farm families are not fulfill and hence more dependency on market for daily food requirement leads malnutrition and extra expanses among them
Thematic area:	ICM
No of trials:	05
No. of farmers involved	05
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Integrated crop management	
T1 – Farmers Practice-	Ponds and ditches kept fallow
T2 –Recommended Practice-	Kharif Season (Duration- June to December) Water chestnut cultivation
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	IGKV, Raipur, 2017-18
Characteristics of technology:	
Name of Crop/Enterprises:	Kharif-Fruit+ Vegetable
Recommendations for Farmers	Ponds and ditches kept fallow
Recommendations for Deptt. Personnel	Kharif Season (Duration- June to December) Water chestnut cultivation + Marigold and Vegetable cultivation on pond bund
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	70.00	Yield of water chestnut q /ha	25000.00	70000.00	50000.00	2.88
T2(Recommended Practice)	90.00	Yield of water chestnut q /ha	28150.00	90000.00	65000.00	3.19

Title of on-farm trial:	**Assessment of High yielding variety of groundnut dharni**
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Use of low yielding variety
Thematic area:	Varietal Assessment
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Improved high yielding variety (Dharni) of Groundnut	
T1 – Farmers Practice-	local variety of Groundnut
T2 –Recommended Practice-	High yielding variety of Groundnut Dharni
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**NRC – Groundnut Junagarh (Gujrat)**
Characteristics of technology:	
Name of Crop/Enterprises:	**Groundnut - Chickpea**
Recommendations for Farmers	local variety of Groundnut
Recommendations for Deptt. Personnel	High yielding variety of Groundnut Dharni
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	12.10 (yield)	q/ha	19050.00	48400.00	29350.00	2.54
T2(Recommended Practice)	15.60 (yield)	q/ha	20610.00	62400.00	41790.00	3.02

Title of on-farm trial:	**Assessment of High yielding variety of Soybean**
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Use of low yielding variety
Thematic area:	Varietal Assessment
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Improved high yielding variety JS-20-69 of Soybean	
T1 – Farmers Practice-	Soybean (JS-93-05,JS-95-60)
T2 –Recommended Practice-	High yielding variety JS-20-69 of Soybean
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**JNKVV**
Characteristics of technology:	
Name of Crop/Enterprises:	**Soybean – Chickpea**
Recommendations for Farmers	Soybean (JS-93-05,JS-95-60)
Recommendations for Deptt. Personnel	High yielding variety JS-20-69 of Soybean
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	13.50 (yield)	q/ha	18860.00	47250.00	28390.00	2.50
T2(Recommended Practice)	16.30 (yield)	q/ha	19350.00	57050.00	37700	2.94

Title of on-farm trial:	**Assessment of chemical disease management in Soybean**
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	**Low yield of Soybean due to incidence of Anthracnose blight diseases of soybean**
Thematic area:	**Disease management**
No of trials:	04
No. of farmers involved	04
Type of OFT (Assessment/ Refinement):	**Assessment**
Details of technology selected for assessment/ refinement: Use of fungicide for the control of soybean diseases	
T1 – Farmers Practice-	Use of not recommended fungicide for the control of disease
T2 –Recommended Practice-	Use of Tebuconazole 250EC @ 156.25gm ai/ha
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**A.N.G.RANGA AGRICULTURAL UNIVERSITY HYDERABAD**
Characteristics of technology:	
Name of Crop/Enterprises:	**Soybean – Chickpea**
Recommendations for Farmers	Use of not recommended fungicide for the control of disease
Recommendations for Deptt. Personnel	Use of Tebuconazole 250EC @ 156.25gm ai/ha
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	12.50 (yield)	q/ha	18900.00	43750.00	24850.00	2.31
T2(Recommended Practice)	15.55 (yield)	q/ha	20300.00	54425.00	34125.00	2.68

Title of on-farm trial:	**Assessment of Raised bed planter for line sowing of soybean**
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Low yield Due to traditional method of sowing because broadcasting causes improper coverage of seed and fertilizer, Drainage or water logging
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: Use of Raised bed planter	
T1 – Farmers Practice-	Sowing of Soybean through Seed cum fertilizer drill
T2 –Recommended Practice-	Sowing of Soybean through Raised bed planter
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	**FAE, IGKV Raipur**
Characteristics of technology:	
Name of Crop/Enterprises:	**Soybean**
Recommendations for Farmers	Sowing of Soybean through Seed cum fertilizer drill
Recommendations for Deptt. Personnel	Sowing of Soybean through Raised bed planter
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	13.90 (yield)	q/ha	21300.00	48650.00	27350.00	2.28
T2(Recommended Practice)	17.90 (yield)	q/ha	20150.00	62650.00	42500.00	3.10

Title of on-farm trial:	Assessment of weeder for Inter culture operation in Soybean Crop
Year/Season:	Kharif 2019
Farming situation:	Rainfed
Problem diagnosis:	Economic loss for small farmers in manual weeding in soybean crop
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: Use of Soybean weeder	
T1 – Farmers Practice-	Use of single wheel hoe for weeding
T2 –Recommended Practice-	Use of Soybean weeder
T3- Recommended Practice-	
Date of sowing:	June
Date of harvesting:	November
Source of technology:	FAE, IGKV Raipur
Characteristics of technology:	
Name of Crop/Enterprises:	Soybean
Recommendations for Farmers	Use of single wheel hoe for weeding
Recommendations for Deptt. Personnel	Use of Soybean weeder
Feedback	

Result: (Economic Performance of OFT)

Details of technology	Name of Parameter	Unit of Parameter	Average Cost of cultivation (Rs/ha)	Average Gross Return (Rs/ha)	Average Net Return (Rs/ha)	Benefit-Cost Ratio (Gross Return / Gross Cost)
T1 (Farmers Practice)	12.55 (yield)	q/ha	19050.00	43925.00	24875.00	2.30
T2(Recommended Practice)	15.30 (yield)	q/ha	20100.00	53550.00	33450.00	2.66

2.2. Information about Extension OFT:

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

Results / findings

Performance indicators/ parameters	**Unit/ details**

2.3. Information about Home Science OFT:

Title of on-farm trial:	NA
Year/Season:	
Problem diagnosis:	
Thematic area:	
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)						

(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									

3. Achievements of Frontline Demonstrations (FLD)

3.1 Details of FLDs on Crop implemented during Nov-2018 to March-2019 and Jan 2019 to December 2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop Category	Name of Crop	Name of Variety	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed /Ongoing	Crop-Area (ha)	Results (q/ha)		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Kawardha	2018-19	Rabi-	Varietal Evaluation	Varietal Evaluation of wheat	Wheat	Wheat	Use of improved variety, line sowing with proper fertilizer and pest management	Irrigated	Complete	5.00	26.45	29.45	11.90			12		12
Kawardha	2018-19	Rabi-	Varietal Evaluation	Varietal Evaluation of Lathyrus	Lathyrus	Lathyrus	Use of improved variety, line sowing with proper fertilizer and pest management	Irrigated	Complete	5.00	8.90	10.50	17.97		12			12
Kawardha	2018-19	Rabi	Varietal Evaluation	Varietal Evaluation of wheat	Wheat	Wheat	Use of improved variety, line sowing with proper	Irrigated	Complete	5.00	26.45	29.45	11.90			12		12

							fertilizer and pest management											
Kawardha	2018-19	Rabi	Integrated Diseases Management	Chickpea, Bioagent	Chickpea	Chickpea	*Trichoderma viride* for control of Chickpea collar rot	Irrigated	Complete	5.0	16.35	17.90	9.84			12		12
Kawardha	2018-19	Rabi	Integrated Pest Management	IPM	Chickpea	Chickpea	Use of IPM package (optimum seed rate-use of bird perchers, intercropping of coriander (10:1), spraying of profenophos 50EC @ 1 lit/ha)	Irrigated	Complete	5.0	16.20	18.06	11.48			12		12
Kawardha	2018-19	Rabi	Varietal Evaluation	Variety	Chickpea	Chickpea	JG-14	Irrigated	Complete	5.0	16.05	17.20	7.16			06	06	12

Kawardha	2018-19	Rabi	Varietal Evaluation	Variety	Sugarcane	Sugarcane	Co-94008	Irrigated	Complete	5.0	762.76	894.25	17.23	0		06	06	12
Kawardha	2018-19	Rabi	Varietal Evaluation	High yielding variety of Onion	Onion	Onion	Bhima Dark Red	Irrigated	Complete	1.00	182.6	276.9	51.6	1	2	1	1	5
Kawardha	2018-19	Rabi	Varietal Evaluation	High yielding variety of Coriander	Coriander	Coriander	Jawahar Dhaniya-1	Irrigated	Complete	1.00	9.6	12.7	42.7	2	1	2	0	5
Kawardha	2019	Kharif	Integrated crop management	Performance of line sown direct seeded rice with reduced seed rate and use of herbicides	Rice	Rice	Seed rate 50 kg seed/ha + Pyrazosulfuron @ 20 g/ha, followed by Bispyribac Na 25 ml/ha at 25 DAS	Rainfed	Complete	5.00	41.50	47.60	14.69	0	12	0	0	12
Kawardha	2019	Kharif	Disease management	Use of fungicide for the control of diseases of paddy	Rice	Rice	Last foliar application of Tricyclazole (0.1%) just after emergence of panicles	Rainfed	Complete	5.00	41.60	45.50	9.37	0	12	0	0	12

Kawardha	2019	Kharif	Disease management	Management of false Smut in Rice	Rice	Rice	Spray with Propiconazole 25 EC @ 0.1% at boot stage	Rainfed	Complete	5.00	41.80	46.30	10.76	0	0	12	0	12
Kawardha	2019	Kharif	Varietal Evaluation	Varietal Evaluation of Soybean	Soybean	Soybean	Use of improved variety, line sowing with proper fertilizer and pest management	Rainfed	Complete	5.0	13.56	16.25	9.83	0	12	0	0	12
Kawardha	2019	Kharif	Varietal assessment	Varietal Evaluation of Baigan	Chhattisgarh safed Baigan	Chhattisgarh safed Baigan	Chhattisgarh safed Baigan	Rainfed	Complete	5	227.00	269.50	15.76		0	0	12	12

3.2 Economic Impact of Crop FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_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)
Kawadha	Varietal Evaluation	Varietal Evaluation of wheat	Yield (q/ha)	26.45	29.45	16450	16210	44965	50320	28515	34110	2.73	3.10
Kawardha	Varietal Evaluation of Lathyrus	Lathyrus	Yield (q/ha)	8.90	10.50	13300	13100	22250	26250	13150	8950	2.00	1.67
Kawardha	Varietal Evaluation of wheat	Wheat	Yield (q/ha)	26.45	29.45	16450	16210	44965	50320	28515	34110	2.73	3.10
Kawardha	Chickpea, Bioagent	Chickpea	Yield (q/ha)	16.35	17.90	22730	22350	68670	75432	45940	53082	3.02	3.37
Kawardha	IPM	Chickpea	Yield (q/ha)	16.20	18.06	22840	22300	68040	75852	45200	53552	2.97	3.40
Kawardha	Varietal Evaluation	Variety	Chickpea	16.05	17.20	22750	22450	67410	72240	44660	49790	2.96	3.21
Kawardha	Variety	Sugarcane	Yield (q/ha)	762.76	894.25	80100	79450	232641.80	272746.25	152541.80	193296.25	2.90	3.43
Kawardha	High yielding variety of Onion	Onion	Yield (q/ha)	182.6	276.9	78980	82782	182600	276600	103620	194118	2.31	3.34
Kawardha	High yielding variety of Coriander	Coriander	Yield (q/ha)	9.6	12.7	18900	18100	55200	69850	36300	51750	2.92	3.85

Kawardha	Performance of line sown direct seeded rice with reduced seed rate and use of herbicides	Rice	Yield (q/ha)	41.50	47.60	34050	32200	75322	86394	41272	54194	2.21	2.66
Kawardha	Use of fungicide for the control of diseases of paddy	Rice	Yield (q/ha)	41.60	45.50	34300	32100	75504	82582	41204	50482	2.20	2.57
Kawardha	Management of false Smut in Rice	Rice	Yield (q/ha)	41.80	46.30	34250	32050	75877	84034	41627	51984	2.21	2.62
Kawardha	Varietal Evaluation of Soybean	Soybean	Yield (q/ha)	16.25	13.56	19150	20250	47460	56875	28310	36625	2.47	2.88
Kawardha	Varietal Evaluation of Baigan	Chhattisgarh safed Baigan	Yield (q/ha)	227.0	269.50	72451.0	82192.0	158900.00	188650.00	86449.00	106458	2.19	2.95

3.3 Details of FLDs on Agriculture Engineering implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total
Kawardha	2018-19	Rabi-	Farm Mechanization	Self propelled vertical conveyer reaper	Wheat	Wheat	Self propelled vertical conveyer reaper	Irrigated	Complete	**5.00**	26.32	28.85	9.61	0	13	0	0	13
Kawardha	2018-19	Rabi-	Farm Mechanization	Seed cum Fertilizer Drill for sowing	Wheat	Wheat	Seed cum fertilizer drill	Irrigated	Complete	**5.00**	26.45	29.60	11.90	0	0	13	0	13
Kawardha	2019	Kharif	Farm Mechanization	Inclined Plant Planter	Rice	Rice	Inclined Plant Planter	Rainfed	Complete	5.00	41.50	47.60	14.69	0	0	13	0	13
Kawardha	2019	Kharif	Farm Mechanization	BBF	Soybean	Soybean	Broad Bed Furrow	Rainfed	Complete	5.00	13.55	18.20	34.31	0	0	13	0	13
Kawardha	2019	Kharif	Farm Mechanization	Self propelled vertical conveyer reaper	Rice	Rice	Self propelled vertical conveyer reaper	Rainfed	Complete	5.00	42.50	47.90	12.70	0	0	13	0	13

3.4 Economic Impact of Agriculture Engineering FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_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)
Kawardha	Self propelled vertical conveyer reaper	Wheat	Yield (q/ha)	28.85	26.32	16100	16500	51930	47376	35830	30876	3.22	2.87
Kawardha	Seed cum Fertilizer Drill for sowing	Wheat	Yield (q/ha)	29.45	26.45	16210	16450	50320	44965	34110	28515	3.10	2.73
Kawardha	Inclined Plant Planter	Rice	Yield (q/ha)	41.50	47.60	34050	32200	75322	86394	41272	54194	2.21	2.66
Kawardha	BBF	Soybean	Yield (q/ha)	13.55	18.20	21300	20150	47425	63700	26125	43550	2.22	3.16
Kawardha	Self propelled vertical conveyer reaper	Rice	Yield (q/ha)	42.50	47.90	34150	32250	77137	86938	42987	54688	2.25	2.69

3.5 Details of FLDs on Animal Science implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.6 Economic Impact of Animal Science FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Average Cost of cultivation (Rs/ha)		Average Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_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)

3.7 Details of FLDs on Fishery implemented during Jan-2019 to Dec-2019

KVK Name	Year	Season	Thematic area	Technology demonstrated	Crop/ Enterprise Category	Name of Crop / Enterprise	Name of Variety/Technology/ Enterprise	Farming Situation (rainfed/irrigated/semi-irrigated)	Completed/Ongoing	Crop-Area (ha) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
											FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

3.8 Economic Impact of fishery FLD

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	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)

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

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Enterprises	Crop-Area (ha) / Entrep - No.	Results		% change	No. of farmers				
								FP (T_1)	RP (T_2)		SC	ST	Others	General	Total

Economic Performance Home Science FLD: (Drudgery Reduction)

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

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

Economic Performance Home Science FLD: (Income Generation)

KVK name	Technology demonstrated	Performance Indicator / Parameter									
		Production per unit (Q/No/Lit)		Average Cost of input (Rs/unit)		Average Gross Return(Rs/unit)		Average Net Return(Rs/unit)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

Economic Performance Home Science FLD: (For value addition)

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

Economic Performance Home Science FLD: (For Nutritional security)

KVK name	Technology demonstrated	Performance Indicator / Parameter				Nutrient Intake (Unit)							Anthropometric measurements						
		Name of Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)	Increase in Weight (Kg)		Increase in Height (cm)		BMI ((Weight (Kg)/ (Height(in m) * Height(in m)))		
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2

3.10 Training and Extension activities conducted under FLD

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

3.11 Details of FLD on crop hybrids.

S. No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	**Methodology used**	**Benefits of OFT/FLD**	**Future Adoption**
Kawardha	Use of self-propelled paddy transplanter	Transplanting Paddy crop by Transplanter	OFT	YES
Kawardha	Use of Inclined Plate Planter for Line sowing of Paddy Crop	Direct Sowing of Paddy by Inclined Plate Planter	FLD	YES
Kawardha	Use of Multicrop Planter	Sowing of Oilseed and Pulses Crop by Multicrop Planter	OFT	YES
Kawardha	Use Self Propelled Vertical Conveyor Reaper	Harvesting Paddy and Wheat crop By Reaper	FLD	YES
Kawardha	Use of Broad Bed Furrow Seed Drill for Sowing of Soybean and Chickpea	Sowing of Soybean and Chickpea with BBF Broad Bed Furrow Seed Drill	OFT	YES
Kawardha	Use of Raised Bed Planter	Sowing of Chickpea with Raised Bed Planter	OFT	YES
Kawardha	Integrated pest management of Paddy	1. Transplanting of one row of Karigilas variety after every nine rows of cultivated Paddy variety.	FLD	YES
Kawardha	Establishment of Badi cultivation for nutritional security of farm families	Seasonal cultivation of Vegetable, Fruits, Spices to full fill the family needs	OFT	YES
Kawardha	Mushroom Cultivation	Mushroom cultivation for nutritional security of farm families	Vocational Training	YES
Kawardha	Assessment of New variety of Banana Zelig	Zelig variety is tolerant against high wind velocity	OFT	YES

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
Kawardha	Zelig variety is tolerant against high wind velocity
Kawardha	Seasonal cultivation of Vegetable, Fruits, Spices to full fill the family needs
Kawardha	Sowing of Chickpea with Raised Bed Planter minimizes the losses due to water logged field condition, less wilt losses and weed infestation
Kawardha	Transplanting Paddy crop by Transplanter helps to minimizes labour cost and time saving.
Kawardha	Reaper minimizes the labour cost and time saving on field operations.

4.3. Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Kawardha	FW	Field visits , Group discussion with the farmers	11.01.19/Dharmpura	34
Kawardha	FW	Field visits , Group discussion with the farmers	13.02.19/Rajanawagoan	32
Kawardha	FW	Field visits , Group discussion with the farmers	13.03.19/Pathrra	29
Kawardha	FW	Field visits , Group discussion with the farmers	10.04.19/Mohgoan	33
Kawardha	FW	Field visits , Group discussion with the farmers	12.05.19/Karesar	30
Kawardha	FW	Field visits , Group discussion with the farmers	21.06.19/Barpelatola	29
Kawardha	FW	Field visits , Group discussion with the farmers	02.07.19/Pathrra	34
Kawardha	FW	Field visits , Group discussion with the farmers	21.08.19/Sighanpuri	28
Kawardha	FW	Field visits , Group discussion with the farmers	16.09.19/Barpelatola	31
Kawardha	FW	Field visits , Group discussion with the farmers with In services persons	05.10.19/Dogariya	39
Kawardha	FW	Field visits , Group discussion with the farmers with In services persons	08.11.19/Harinchapra	26
Kawardha	FW	Field visits , Group discussion with the farmers with In services persons	22.11.19/Birkona	28
Kawardha	FW	Field visits , Group discussion with the farmers with In services persons	11.12.19/Gorakhpur	32

5. TRAINING PROGRAMMES

1. **Training programmes should be strictly covered under above mentioned thematic areas only,**
2. **For category, training type and thematic area, mention code/abbreviations only**

Table 5.1. Details of Training programmes conducted by the KVKs for Farmers

Name of KVK	Category (F &FW/FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	FW	OFC	**Crop Production**	Weed Management	Weed Management	1	1	5	1	0	0	2	0	18	0
KWD	FW	OFC	**Crop Production**	Resource Conservation Technologies	Seed Production	1	1	2	1	3	0	1	1	5	3
KWD	FW	OFC	**Crop Production**	Cropping Systems	Integrated crop	1	1	0	0	0	0	5	0	27	0
KWD	FW	ONC	**Crop Production**	Crop Diversification	Cropping Systems	1	1	1	0	4	1	8	2	6	3
KWD	FW	ONC	**Crop Production**	Integrated Farming	Production of organic inputs	1	1	6	2	1	0	10	3	9	1
KWD	FW	OFC	**Crop Production**	Micro irrigation/irrigation	Water management	1	1	3	0	2	0	2	0	6	3
KWD	FW	ONC	**Crop Production**	Seed production	Seed Production of pulses crop	1	1	0	0	0	0	5	1	16	3
KWD	FW	ONC	**Crop Production**	Nursery management	Nursery management in rice plantation	1	1	8	1	2	1	3	2	13	
KWD	FW	OFC	**Crop Production**	Integrated nutrient Management	Use of NPK in Crop Production	1	1	12	0	2	0	5	0	10	2
KWD	FW		**Crop Production**	Production of organic inputs	Production of Vermicompost	01	01	9	2	0	0	2	0	7	0
KWD	FW	ONC	**Horticulture (Vegetable Crops)**	Mushroom Cultivation	Mushroom Cultivation	01	01	03	1	4	3	3	7	2	4
KWD	FW	OFC	**Horticulture (Vegetable Crops)**	Off season vegetables	Badi Cultivation	01	01	5	0	2	2	5	3	5	8
KWD	FW	OFC	**Horticulture (Vegetable Crops)**	Nursery raising	Nursery Raising of Vegetable crops	01	01	5	3	2	4	3	3	6	8
KWD	FW	ONC	**Horticulture (Vegetable Crops)**	Mushroom Cultivation	Mushroom Cultivation	01	01	5	2	3	2	4	3	6	8
KWD	FW	ONC	**Horticulture (Vegetable Crops)**	Crop production	Vegetable production	1	1	0	0	16	0	0	0	0	0
KWD	FW	ONC	**Horticulture (Vegetable Crops)**	Vegetable production	Homestead Farming & Vegetable Production	01	01	0	6	4	0	19	2	0	6

Name of KVK	Category (F &FW/FW)	Training Type (ONC/ OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	FW	OFC	**Horticulture (Vegetable Crops)**	Mushroom Production	Mushroom Production	02	02	0	0	0	0	0	0	18	35
KWD	FW	OFC		Mushroom Production	Mushroom Production	01	01	0	0	0	0	0	0	4	50
KWD	FW	ONC	**Horticulture (Fruits)**	Management of young plants/orchards	Nursery plant production and Management of Fruit orchard	01	01	5	3	2	3	4	2	5	3
KWD	F&FW	ONC	**Horticulture(Plantation crops)**	Processing and value addition	Fruit and Vegetable preservation	01	01	07	8	12	13	10	11	18	19
KWD	F&FW	ONC	**Horticulture(Spices)**	Processing and value addition	Spices preservation	01	0	03	2	1	3	2	4	3	5
KWD	F&FW	ONC	**Soil Health and Fertility Management**	Soil & water testing	Soil Health and Fertility Management	01	01	7	2	3	0	5	2	10	4
KWD	F&FW	ONC	**Soil Health and Fertility Management**	Organic Farming	Integrated farming system	01	01	4	0	3	0	6	0	11	0
KWD	F&FW	ONC	**Livestock Production and Management**	Dairy Management	Integrated farming system	01	01	6	2	1	0	8	3	12	4
KWD	F&FW	ONC	**Livestock Production and Management**	Poultry Management	Integrated farming system	01	01	11	3	8	4	5	2	13	4
KWD	F&FW	OFC	**Agril. Engineering**	Farm machinery & its maintenance	Role of Farm machinery & its maintenance	01	01	10	0	3	0	5	0	12	0
KWD	F&FW	OFC	**Agril. Engineering**	Use and maintenance of micro irrigation systems	Use and maintenance of micro irrigation systems	01	01	8	0	5	0	6	3	10	2
KWD	F&FW	ONC	**Agril. Engineering**	Use of Inter culture agriculture implements	Use of Inter culture agriculture implements	01	01	0	0	0	0	15	4	11	3
KWD	F&FW	ONC	**Agril. Engineering**	Use of small tools and implements	Use of small tools and implements	01	01	4	0	0	0	4	11	10	9

Name of KVK	Category (F&FW/FW)	Training Type (ONC/OFC)	Category	Sub Theme	Training Title	No. of Courses	Duration (Days)	Participants							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	F&FW	ONC	**Agril. Engineering**	Repair and maintenance of farm machinery and implements	Repair and maintenance of farm machinery and implements	01	01	5	0	6	0	2	0	15	0
KWD	F&FW	OFC	**Agril. Engineering**	Use of Sowing equipments and its calibrations	Use of Sowing equipments and its calibrations	01	01	1	0	8	0	0	0	12	0
KWD	F&FW	OFC	**Agril. Engineering**	Post Harvest Technology	Care and Maintenance of post harvest Machine	01	01	3	0	5	0	2	0	22	0
KWD	F&FW	OFC	**Plant Protection**	Integrated Pest Management	Insect Pest of Oilseed Crops	1	1	10	0	8	1	8	0	26	3
KWD	F&FW	ONC	**Plant Protection**	Integrated Disease Management	Disease and Insect of Pulse crop	01	1	8	2	3	0	2	4	9	7
KWD	F&FW	ONC	**Plant Protection**	Bio0control of pests and diseases	Use of Trichodermma in Pulses crop	01	01	10	0	0	2	1	2	12	12
KWD	F&FW	OFC	**Plant Protection**	Production of bio control agents and bio pesticides	Trichodermma Production	01	01	3	0	2	3	5	3	15	12
KWD	F&FW	OFC	**Plant Protection**	Mushroom production	Mushroom production	1	1	8	0	2	0	0	0	30	0
KWD	F&FW	ONC	**Plant Protection**	Integrated Pest Management	Insect Pest of Sugarcane	1	1	3	0	5		3	0	17	1
KWD	F&FW	OFC	**Plant Protection**	Disease and Pest Management	Disease and Pest Management of IFS	1	1	5	0	0	0	6	0	13	0
KWD	F&FW	OFC	**Plant Protection**	Mushroom production	Mushroom production	1	1	2	0	3	0	6	2	11	0
KWD	F&FW	ONC	**Plant Protection**	Others (Pl. Specify) Integrated Farming System	Disease and Pest Management of IFS	1	1	10	0	8	1	8	0	26	3
KWD	F&FW	ONC	**Fisheries**	Others (Pl. Specify) Integrated Farming System	Integrated farming system	01	01	15	0	0	0	6	0	18	0

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

Name of KVK	Category (RY)	Training Type (ONC/OFC)	Thematic Area of training	Training Title	No. of Courses	Duration (Days)	Participants							
							Gen		SC		ST		Others	
							M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Kawardha	RY	ONC	Nursery Management of Horticulture crops	Nursery Management	01	01	2	1	0	1	3	1	14	19
Kawardha	RY	ONC	Training and pruning of orchards	pruning of orchards	01	01	19	9	0	0	2	2	7	15
Kawardha	RY	OFC	Protected cultivation of vegetable crops	Protected cultivation of vegetable crops	01	01	5	2	1	3	2	1	20	6
Kawardha	RY	ONC	Commercial fruit production	Commercial fruit production	01	01	0	2	0	8	1	2	9	6
Kawardha	RY	OFC	Integrated farming	Integrated farming	01	01	3	0	2	3	5	3	15	12
Kawardha	RY	OFC	Seed production	Seed production	01	01	8	2	3	0	2	4	9	7
Kawardha	RY	OFC	Production of organic inputs	Production of organic inputs	01	01								
Kawardha	RY	ONC	Planting material production	Planting material production	01	01	0	0	12	2	0	0	15	16
Kawardha	RY	OFC	Vermi culture	Vermi culture	01	01	6	4	4	2	10	1	35	6
Kawardha	RY	OFC	Mushroom Production	Mushroom Production	01	01	0	0	18	1	0	0	12	22
Kawardha	RY	OFC	Value addition	Value addition	01	01	0	4	3	8	5	19	10	15
Kawardha	RY	OFC	Repair and maintenance of farm machinery and implements	Repair and maintenance of farm machinery and implements	01	01	1	9	0	0	2	2	7	15

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

Name of KVK	Category (IS)	Training Type (ONC/OFC)	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
1	2	3	4		6	7	8	9	10	11	12	13	14	15
Kawardha	IS	ONC	Productivity enhancement in field crops	Crop Production	1	1	10	0	8	1	8	0	26	3
Kawardha	IS	OFC	Integrated Pest Management	Pest Management in Cereal crop	1	1	1	0	0	2	1	2	2	12
Kawardha	IS	OFC	Integrated Nutrient management	Fodder & Vermi Compost Production Technology under NGGB Scheme on	1	1	3	0	2	3	5	3	15	12
Kawardha	IS	OFC	Rejuvenation of old orchards	Crafting and budding	1	1	2	0	2	5	2	0	16	6
Kawardha	IS	OFC	Protected cultivation technology		1	1	0	0	3	4	3	0	12	9
Kawardha	IS	OFC	Production and use of organic inputs	Fodder, Nadep & Vermi Compost Production Technology under NGGB Scheme on	1	1	4	0	0	0	4	11	10	9
Kawardha	IS	OFC	Care and maintenance of farm machinery and implements	maintenance of farm machinery	1	1	6	0	4	0	8	0	16	0
Kawardha	IS	OFC	Information networking among farmers	Aware of Crop Doctor Apps and its Uses	1	1	5	1	2	0	0	0	15	0

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

Name of KVK	Thematic Area	Sub Theme	Training title	Name of Crop / Enterprise	Identified Thrust Area	No of Courses	Duration of training (days)	Number of Beneficiaries							
								Gen		SC		ST		Others	
								M	F	M	F	M	F	M	F
KWD	**Crop production and management**	Crop production (SRI)	Nursery management	Crop production	Crop production	01	5	0	0	3	0	8	0	14	0
KWD	**Crop production and management**	Commercial fruit production	fruit production	Fruit production	Income Generation	01	5	2	0	2	0	10	0	11	0
KWD	**Crop production and management**	Commercial vegetable production	vegetable production	vegetable production	Crop production	01	5	1	3	0	2	5	3	5	5
KWD	**Crop production and management**	Integrated crop management	Integrated crop management	Crop production	Crop production	01	5	0	0	6	0	10	0	9	0
KWD	**Crop production and management**	Production Technology of *Trichodarma*	*Trichodermma* Production	*Trichoderma*	Disease Management	01	5	3	0	0	0	12	6	4	0
KWD	**Income generation activities**	Vermi-composting	Vermi-composting	Organic Farming	Income Generation	01	5	4	1	2	0	7	3	5	3
KWD	**Income generation activities**	Repair and maintenance of farm machinery & implements	Repair and maintenance of farm machinery & implements	Agril. Engineering	Farm Mechanization	01	5	0	0	15	0	5	0	5	0
KWD	**Income generation activities**	Mushroom cultivation	Oyester Mushroom Production Technology	Mushroom	Income Generation	01	5	9	3	1	0	5	2	3	2
KWD	**Income generation activities**	Nursery, grafting etc.	Nursery management	Vegetable Production	Income Generation	01	5	0	0	5	4	2	0	12	2

Table 5.5. Sponsored Training Programmes

Name of KVK	Client (F &FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
KWD	FW	Nursery Management	**Crop production and management**	Increasing production and productivity of crops	Management of agriculture crop	1	1	6	0	14	0	5	0	2	0	Dept.Of Agri	NA
KWD	FW	Seed Production	**Crop production and management**	Increasing production and productivity of crops	Seed production of Pulses crop	1	1	3	0	22	0	2	0	1	0	Dept.Of Agri	NA
KWD	FW	Integrated crop management	**Crop production and management**	Increasing production and productivity of crops	Management of agriculture crop	1	1	6	0	13	0	3	0	8	0	Dept.Of Agri	NA
KWD	FW	Production of organic inputs	**Crop production and management**	Increasing production and productivity of crops	Use organics in Crop production	1	1	2	0	14	0	6	0	7	0	Dept.Of Agri	NA
KWD	FW	Seed Production	**Crop production and management**	Increasing production and productivity of crops	Seed production and management	1	1	12	0	11	0	03	0	7	0	Dept.Of Agri	NA
KWD	FW	Vegetable production technology	**Crop production and management**	Commercial production of vegetables	Commercial production of vegetables	1	1	6	0	2	0	2	0	15	0	Dept.Of Agri	NA
KWD	FW	Vegetable production technology	**Crop production and management**	Production and value addition	Production and value addition of Horticulture crop	1	1	5	0	2	0	1	0	9	3	Dept.Of Agri	NA
KWD	FW	Micro irrigation systems	**Crop production and management**	Fruit Plants	Use of Micro irrigation systems in Fruit Plants	1	1	2	0	3	0	0	0	14	1	Dept.Of Agri	NA
KWD	FW	Production and use of Ornamental plants	**Crop production and management**	Ornamental plants	Production and use of Ornamental plants	1	1	2	0	4	0	0	0	13	1	Dept.Of Agri	NA
KWD	FW	Methods used for Value addition of spices crop	**Crop production and management**	Spices crops	Value addition of spices crop	1	1	5	0	2	2	2	8	5	1	Dept.Of Agri	NA
KWD	FW	Soil health and fertility	**Crop production and management**	Soil health and fertility management	Use of proper fertility at soil	1	1	5	0	3	0	9	0	3	3	Dept.Of Agri	NA

Name of KVK	Client (F &FW/ FW/ RY/ IS)	Title	Thematic area	Sub-theme	Training Title	Duration (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
								Gen		Others		SC		ST			
								M	F	M	F	M	F	M	F		
		management															
KWD	FW	Use of net shed house for protective cultivation	**Crop production and management**	Methods of protective cultivation	Nursery management in Protected cultivation	1	1	10	0	0	3	2	0	5	0	Dept.Of Agri	NA
KWD	FW	Value addition of jiggery	**Crop production and management**	Value addition of jiggery	Production and value addition of Jiggery unit	1	1	3	0	12	0	0	1	8	1	Dept.Of Agri	NA
KWD	FW	Use for Grading and cleaning machine for Seed production crop	**Post harvest technology and value addition**	Processing and value addition	Grading and cleaning of Seed production crop	1	1	2	0	2	1	7	3	6	1	Dept.Of Agri	NA
KWD	FW	Introduction of Primary and Secondary Machine	**Farm Mechanization**	Primary and Secondary agriculture Machine	Introduction of Primary and Secondary Machine	1	1	4	0	14	0	3	0	3	0	Dept.Of Agri	NA
KWD	FW	Introduction of harvesting and Threshing Machine	**Farm machinery**	Farm machinery, tools and implements	Introduction of harvesting and Threshing Machine	1	1	2	0	12	0	5	0	7	0	Dept.Of Agri	NA
KWD	FW	Tractor Care and Maintenance	**Farm machinery**	**Others(Pl. Specify)**	Tractor Care and Maintenance	1	1	3	0	10	1	5	0	4	0	Dept.Of Agri	NA
KWD	FW	Integrated Pest Management	**Crop production and management**	Integrated Pest Management	Integrated Pest Management	1	1	4	1	10	0	0	0	9	1	Dept.Of Agri	NA
KWD	FW	Production of bio control agents and bio pesticides	**Crop production and management**	Production of bio control agents and bio pesticides	Production of bio control agents and bio pesticides	1	1	6	0	8	1	3	0	2		Dept.Of Agri	NA
KWD	FW	Insect Pest of Sugarcane	**Crop production and management**	Insect Pest of Sugarcane	Insect Pest of Sugarcane	1	1	5	1	9	3	2	0	5	0	Dept.Of Agri	NA
KWD	FW	Diseases of Sugarcane	**Crop production and management**	Diseases of Sugarcane	Diseases of Sugarcane	1	1	3	0	11	2	4	1	3	1	Dept.Of Agri	NA
KWD	FW	Diseases of Vegetable crop	**Crop production and management**	Diseases of Vegetable crop	Diseases of Vegetable crop	1	1	2	1	10	3	3	1	3	1	Dept.Of Agri	NA
KWD	FW	Disease and Insect of Pulse crop	**Crop production and management**	Disease and Insect of Pulse crop	Disease and Insect of Pulse crop	1	1	1	1	8	4	2	2	3	1	Dept.Of Agri	NA
KWD	FW	Diseases of Oiiseed crop	**Crop production and management**	Diseases of Sugarcane	Diseases of Oiiseed crop	1	1	4	1	7	2	2	0	4	2	Dept.Of Agri	NA

Table 5.6. Details of training programme conducted for livelihood security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	
Kawardha	Integrated Farming System	IFS Units	1	5	3
Kawardha	Integrated Farming System	IFS Units	1	5	2
Kawardha	Integrated Farming System	IFS Units	1	5	4
Kawardha	Integrated Farming System	IFS Units	1	5	2
Kawardha	Integrated Farming System	IFS Units	1	5	1

Table 5.7 Training Programmes for Panchayati raj Institutions Office-bearers & members

Name of KVK	Title	Thematic area	Sub-theme	Client (FW/ RY/ IS)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Kawardha	Water Conservation	OTHER	Water Conservation	FW	01	1	10	8	20	15	8	5	11	7	**ICRG, Zila Panchayat**	NA
Kawardha	NGGB	Crop Production	Fodder	FW	01	1	15	7	22	17	16	10	11	13	**Zila Panchayat**	NA
Kawardha	NGGB	Badi Development	Vegetable production	FW	01	1	11	9	16	9	10	8	12	10	**Zila Panchayat**	NA
Kawardha	NGGB	Vermi compost Production	Organic Manure Production	FW	01	1	13	10	19	14	10	11	12	11	**Zila Panchayat**	NA
Kawardha	NGGB	Water Conservation	Construction of stape dam	FW	01	1	15	11	20	12	13	9	14	9	**Zila Panchayat**	NA

Table 5.8 Subject area wise details of women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Household food security by kitchen gardening and nutrition gardening	02	65
Design and development of low/minimum cost diet	-	-
Designing and development for high nutrient efficiency diet	03	79
Minimization of nutrient loss in processing	02	45
Processing and cooking	02	86
Gender mainstreaming through SHGs	02	120
Storage loss minimization techniques	01	42
Value addition	02	115
Women empowerment	02	96
Location specific drudgery reduction technologies	02	70
Rural Crafts		
Women and child care	04	142
Others-Agro-Based IGP programme Training Exposure on Sustainable Agriculture	01	35

Table 5.9 Subject area wise details of other than women farmer specific training programmes organized by KVKs during Jan-Dec-2019

Area of Training	Jan-Dec-2019	
	Courses	Participants
Crop Production	04	118
Horticulture	04	111
Soil Health and Fertility Management	02	85
Livestock Production and Management	01	35
Agril. Engineering	04	120
Plant Protection	04	118
Fisheries	-	-
Production of Input at site	02	42
Capacity Building and Group Dynamics	01	28
Agro forestry	01	30

Table 5.10 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs./ha or Rs./ year)		Impact on		
			Before	After	Before	After	Before	After	% change in knowledge, production & Income	No. of farmers/farm women adopted (no.)	No. of unit established/Area expanded (ha)
Kawardha	Trichodermma Production Technology	100	25	85	17.50	18.80	60250	65800	75 % knowledge increased	75 person adopted	25000 ha expanded
Kawardha	Mushroom Production	350	45	98	650.00 g/day	845.00 g/day			80% knowledge increased	300 person adopted	250 unit established
Kawardha	Seed production of Pigeon pea	150	40	90	16.50	18.50	49000	74000	80% knowledge increased	250 person adopted	500 ha expanded
Kawardha	Vermi culture	100	30	89	-	-	-	-	80% knowledge increased	65 person adopted	15000 ha expanded
Kawardha	Nursery Management of Horticultural crops	65	46	95	-	-	-	-	90% knowledge increased	100 person adopted	1500 ha expanded
Kawardha	Seed production of Chickpea	70	22	75	13.50	17.60	54000	70400	95% knowledge increased	300 person adopted	10000 ha expanded
Kawardha	Soil Health Management	100	30	75	-	-	-	-	75% knowledge increased	80 person adopted	1500ha expanded
Kawardha	Integrated Farming System	260	35	65	-	-	-	-	50% knowledge increased	70 person adopted	15000 ha expanded
Kawardha	Sugarcane Production Technology	300	25	45	750	870	95000	120000	60% knowledge increased	180 person adopted	25000 ha expanded

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
KWD	Agri mobile clinic	00	40	MASS										
KWD	Animal Health Camp	00	01	10	0	2	0	5	0	5	2			
KWD	Awareness programme	15	20	Mass										
KWD	Celebration of important days	10	13	Mass										
KWD	Diagnostic visits	45	45	60	195	112	60	85	6	40	25			
KWD	Exhibition	02	02	**Mass**								For Doubling Kawardha the Farmers Income	New Agril.technique	All Stage
KWD	Exposure visits	10	05	45	10	35	8	17	6	4	2			
KWD	Ex-trainees Sammelan	06	08	96	51	17	15	23	16	25	3			
KWD	Farm advisory Services	00	35	Mass										
KWD	Farmers visit to KVK	2000	1500											
KWD	Field Day	8	4	165	65	85	15	135	35	18	7	To tell the Kawardha farmers & RAEOs about cultivation of crops and management of insects	New Agril.technique	Flowering Stage
KWD	Group meetings	10	10	45	1 5	32	8	49	22	12	5			
KWD	Kisan Ghosthi/Sammelan	6	10	235	9	66	24	46	12	48	47			
KWD	Kisan Mela	02	02	Mass										
KWD	Krishi Mahotsav	02	02	56	24	23	15	43	18	04	02			
KWD	Lectures delivered as resource persons	04	04	110	24	67	04	22	10	05	02			
KWD	Mahila Mandals conveners meetings	01	01	0	22	0	3	0	5	0	03			
KWD	Method Demonstrations	18	18	150	6	20	5	30	5	0	0			
KWD	Pradhanmantri phasal beema yojana	03	03	48	12	16	8	34	17	10	4			
KWD	Scientific visit to farmers field	52	52	Mass										
KWD	Self Help Group conveners	0	0											

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants (only in no.) *								Remarks		
				Farmers (Others)		Farmers SC		Farmers ST		Extension Officials		Purpose	Topics	Crop Stages
				M	F	M	F	M	F	M	F			
	meetings													
KWD	Soil health Camp	01	01	5	0	3	0	48	0	10	3			
KWD	Soil test campaigns													
KWD	Technology Week													
KWD	Radio talks	00	04	Mass										
KWD	Extension literature	04	04	Mass										
KWD	TV talks	02	00											
KWD	Newspaper coverage	20	70	Mass										
KWD	Film Show	02	03			Mass								
KWD	Others													

Mass media used for wide publicity

Name of media	Number of events	Name of channel/ Newspaper used	Place of delivery or publication	Coverage of the media (Local/ Regional/National)
Radio talks	**04**	**Akaswani**	**Kawardha**	**Local**
TV talks	**0**	**0**	**0**	**0**
Newspaper coverage	**70**		**Kawardha**	**Local**
Internet (You tube)	**0**	**0**		
Social media (Whats App, Facebook, Instagram, Twitter etc.)				

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

7.1 KVK Newsletters (Jan to Dec. 2019)

KVK Name	Period	Quarter	Number of copies printed	Number of copies distributed	Type of beneficiaries receiving the newsletter (Farmer, District/block/Panchayat Official, D.M. etc.
Kawardha	January to March 2019	Q1	1000	950	Farmers, blocks office etc.
Kawardha	April to June 2019	Q2	1000	997	Farmers, blocks office etc.
Kawardha	July to September 2019	Q3	1000	999	Farmers, blocks office etc.
Kawardha	October to December 2019	Q4	1000	995	Farmers, blocks office etc.

7.2 Literature developed/published

KVK Name	Type	Number of copies (please don't give mass please fill number only)
Kawardha	Abstract	05
Kawardha	Book	
Kawardha	Book Chapter	
Kawardha	Booklet	
Kawardha	Leaflets/ Folder/ Pamphlet	10
Kawardha	Popular article	10
Kawardha	Technical Bulletin	4
Kawardha	Training Manual	2
Kawardha	Technical Report	10
Kawardha	Year Planner	1
Kawardha	Others (pl. specify)	15

Research paper /Review paper published during Jan to Dec. 2019

Name of KVK	Title of Research/Review paper	Authors/credit line	Name of Journal	Type of journal (National/International)	NASS Rating (2020) /impact factor
Kawardha	**Effect of chemical weed management in yield and economic of soybean**	B.S.Parihar and Others	Journal of Pharmacognosy and Phytochemistry	National	

7.3 Details of Electronic Media Produced

KVK Name	Type of media (CD/DVD)	Title of the programme	Number
KAWARDHA	**DVD**	**World Soil Health Day**	**01**
KAWARDHA	**DVD**	**KVK FARM (Kharif & Rabi 2019-20)**	**04**
KAWARDHA	**DVD**	**Field Day**	**02**

8. Production and supply of Technological products

8.1 SEED production

KVK Name	Crop Category	Name of Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to no. of Farmers/society	Expected area coverage (ha.)
Kawardha	Pulse	Urd Bean	Indira urd -1	7.60	34200	250	100
Kawardha	Pulse	Mung (Green gram)	HUM-16	2.78	12510	80	32
Kawardha	Oilseed	Soybean	RVS2001-4	10.97	43800	20	8
Kawardha	Oilseed	Soybean	JS-20-29	58.72	601880	75	30

8.2 Planting Material production

KVK Name	Major group/class	Name of Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
KAWARDHA	Vegetable	Tomato	Damni-130	10000	7000	30	5
KAWARDHA	Vegetable	Cauliflower	Push Priya Improved	10000	7000	40	5
KAWARDHA	Vegetable	Cabbage	Green Golden bowl	10000	7000	35	5
KAWARDHA	Vegetable	Knolekhol	Taj	10000	7000	45	5
KAWARDHA	Vegetable	Brinjal	Panth Samrat, Indira Safed bagan	10000	7000	36	5
KAWARDHA	Vegetable	Chilli	PushaJwala	10000	7000	40	5

8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.)

*** Name of product should follow same pattern**

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Kawardha	Bio Fertilizers	Vermicompost	1000.00			USED IN KVK IFS UNIT	
Kawardha		Azolla	20.00			USED IN KVK IFS UNIT	
Kawardha							
Kawardha	Bio-Food	Spirulina					
Kawardha		Honey					
Kawardha		Any Other (pl. sp.)					

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Kawardha	**Bio Pesticides**	Neem extract					
Kawardha		Neem powder					
Kawardha		Tobacco extract					
Kawardha		Trichoderma viride	500		75000	1000	1000
Kawardha		Trichoderma harjinum					
Kawardha		Trichogramma chilonis					
Kawardha		Beauveria bassiana					
Kawardha		Metarhizium anisopliae					
Kawardha		Pseudomonas fluorescens					
Kawardha		SlNPV					
Kawardha		HaNPV					
Kawardha		GF1					
Kawardha		Baco Lures					
Kawardha		Heli Lures					
Kawardha		Leucin Lures					
Kawardha		Paeciliomyces					
Kawardha		Panchagavya					
Kawardha		Verticillium					
Kawardha	**Bio Agents (Tricho card)**	Trichogramma chilonis					
Kawardha		Chrysoperla carnea					
Kawardha		Tricho card					
Kawardha		Any other **(Pl. Specify)**					
Kawardha	**Bio Agents (Pyrilla parasitoids)**	Ooincirtus papilionis					
Kawardha		Epiricania melanolauca					
Kawardha	**Bio Agents(Worms)**	Assinia foetida					
Kawardha		Eudrilus eugeniae					
Kawardha		Euclnia Uginae					
Kawardha		Eisenia foetida					

KVK Name	List of Major Group Bio agent/Bio fertilizers/Bio Pesticides	Name of the Product	Qty (in Kg)	Qty (in No.)	Value (Rs.)	Provided to no. of Farmers	Expected area coverage (ha.), if applied
Kawardha		Earth worm					
Kawardha		Any other **(pl. specify)**					
Kawardha	**Others**	Mushroom spawn					
Kawardha		Mineral Mixture					
Kawardha		Cow dung (dry)					
		Any other **(pl. specify)**					
Kawardha							

8.4 Livestock and fisheries production

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
Kawardha	**Dairy animals**	Cow	**Sahiwal**	**Milk**	**Liter**	**1803.5**	**72140**	**10**
Kawardha		Calves						
Kawardha		Goats						
Kawardha		Buffaloes						
Kawardha		Sheep						
Kawardha		Breeding bull						
Kawardha		Other **(pl specify)**						
Kawardha	**Poultry**	Poultry	**Kadaknath**	**Chicken**	**Kg**	**150.00**	**Distributed to farmers under demonstration**	**10**
Kawardha		Japanese quail						
Kawardha		Japanese quail eggs						
Kawardha		Ducks						
Kawardha		Turkey						
Kawardha		Other						

KVK Name	Type	Name of the animal / bird / aquatics	Breed	Type of Produce	Quantity		Value (Rs.)	No. of Beneficiaries
					unit (kg/qt./liter/no)	Qty.		
Kawardha	**Piggery**	Piglets						
Kawardha		Boar						
Kawardha		Sow						
Kawardha		Other **(pl specify)**						
Kawardha	**Fisheries**	Indian carp	**Rohu,Katla**	**Fish**	**kg**	**100.00**	**10000**	**5**
Kawardha		Exotic carp						
Kawardha		Other **(pl specify)**						

9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed during Jan to Dec. 2019:

KVK Name	Status of establishment of Soil testing Laboratory (Y/N) and year, if yes	Soil Testing Kits till date		No of soil samples		No. of Samples analyzed			No. of Farmers benefited			No. of Villages covered	Amount realized	Soil health card distributed to the farmers by KVK (Nos)	
						by KVKs		By Department	By KVK		By Department				
		Sanctioned	Procured	Collected by KVKs	Provided by Dept./ DDA	Mini Soil Testing kit	Soil testing laboratory		Mini Soil Testing kit	Soil testing laboratory				Through Mini Soil Testing kit	Through Soil testing laboratory
Kawardha	Yes, January to March 2019					507								7000	1480
Kawardha	April-June 2019	Nil	Nil	300		300	0		200					200	0
Kawardha	July to September 2019			500		500			200					200	
Kawardha	OCT to DEC 2019			200		400			500					500	
	Total			**1000**		**1707**			**900**					**7900**	

9.2 Details of water samples analyzed so far :

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

10. Rainwater Harvesting

10.1. Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RY/EF)	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Kawardha	03.01.2019	Energy & Water Conservation	EF	02	10	0	3	0	23	2	5	0	43
Kawardha	10.07.2019	Best Practice of Water Conservation	RY	03	17	3	11	0	38	11	9	2	91
Kawardha	14.11.2019	Energy & Water Conservation	PF	02	14	1	9	4	16	6	5	3	58

10.2. Information of Visit in Rainwater Harvesting Demonstration Unit

Name of KVK	No. of Training programmes under Rain water Harvesting	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
Kawardha	02	02	1500	456	132

11. Training Programme on Micro irrigation (Drip and Sprinkler)

Name of KVK	Date	Title of the training course	Client	No. of Courses	No. of Participants								
					SC		ST		Other		General		Total
					Male	Female	Male	Female	Male	Female	Male	Female	
Kawardha	10.04.2019	Use of Drip system in Vegetable production in	RY	1	10	0	4	0	9	0	3	0	26
Kawardha	28.08.2019	Use of Drip system in Chickpea crop	RY	1	5	0	8	0	13	0	1	0	27
Kawardha	3.12.2019	Use of Drip system in Sugarcane crop	RY	1	13	0	5	0	2	0	3	0	23

12. Utilization of Farmers Hostel facilities

KVK Name	Months	Year	No. of trainees/ farmers/ visitors stayed	Duration of Stay (days)	Reason for vacant farmers hostel (if any)	Accommodation available in F.H. (No. of beds)
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil

13. Utilization of Staff Quarters facilities

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Kawardha	Nil	Nil	Nil	Nil	Nil

14. Details of SAC Meeting during Jan to Dec. 2019

KVK Name	Date of SAC meeting 2019	No. of SAC members (only) attended	Major action points*
Kawardha	28.02.2019	80	Sugarcane intercropping , IPM in Chickpea production ,and More focus in IFS Modules establishment at farmers field

***Attached separate file.**

15. Footfall of farmers in KVKs (Jan. 2019 to Dec. 2019)

Name of KVK	Footfall during 2019			
	No. of Farmers	No. of officials	No. of VIPs	Total
Kawardha	3704	302	29	4035

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

16. Status of Kisan Mobile Advisory (KVK-KMA)

KVK	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
KWD	1	Crop Management	Crop Production Technology	9	11	75077	1013	1013
			Integrated Farming					
			Field Preparation	15				
			Any Other (Specify)					
	2	Weather	Advisory					
			Change in variety					
			Change in Sowing technique					
			Climate forecast					
			Any Other (Specify)					
	3	Soil Management	Soil Testing	11				
			INM					
			Fertilizer Application					
			Vermicomposting/ bio-waste recycling	12	1	75077	1013	1013
			Bio-fertilizer					
			Any Other (Specify)					
	4	Disease & Pest Management	Disease Management	15	10	75077	1013	1013
			Pest Management		12	75077	1013	1013
			Preventive Advisory Disease Management					
			Preventive Advisory Pest Management					
			Bio-pesticides					
			Any Other (Specify)					
	5	Nutrition Security & Women Empowerment	Nutrition Awareness					
			Kitchen garden					
			Value Addition and Processing					
			Drudgery Reduction					
			Entrepreneurship & Income Generation					
			Advisory					
			Any Other (Specify)					
	6	Horticulture	Vegetable	21	1	75077	1013	1013

KVK	S. No.	Thematic area	Particulars	No of Calls	No of Messages sent	No. of farmers received messages	Total no of villages in District	No of village Covered by KVK through KMA
			Fruit					
			Hi Tech Horticulture					
			Any Other (Specify)					
	7	**Livestock**	**Feed and Fodder**					
			Dairy Management	**30**				
			Fisheries	**10**				
			Poultry Management	**12**				
			Vaccination & Disease management					
			Any Other(Specify)					
	8	**Farm Mechanization**			3	75077	1013	1013
	9	**Extension**						
	10	**Organic Farming**						
	11	**Marketing**						
	12	**Awareness**		10				
	13	**Other Enterprise**		10				
	14	**Any Other(Specify)**		30	3	75077	1013	1013

17. Status of Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Name of activities organized	Name of operational Area and acreage (ha.)	Present status (Functional/Non functional)
Kawardha	ATMA	State	20000	For OFT	Kawardha block	ATMA
Kawardha	DMF	State	200000	Poultry Shed	Kawardha	DMF
Kawardha	MGNRGA	State	682000	Poultry Shed	Kawardha	MGNRGA
Kawardha	MGNRGA	State	465000	Small Nursery	Kawardha	MGNRGA
Kawardha	Soil testing	State	41080	Soil testing	Kawardha	DDA
Kawardha	RKVY	Central	750000	Processing Unit	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	Functional
Kawardha	RKVY	Central	164000	For Goatry shed	KVK	
Kawardha	Swachata	Central	6000		Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	
Kawardha	One Year Diploma course for Input Dealers	State	204290	For Diploma course to input dealers	Kawardha	

Kawardha	NMOOP (Cluster demonstration on Mustard /Rapeseed ,Soybean and Linseed)	Central	266490	FLD, Field Day, Ag. Exhibition	Kawardha, S. Lohara and Bodla, District- Kabirdham	NMOOP (Cluster demonstration on Mustard /Rapeseed ,Soybean and Linseed)
Kawardha	N.F.S.M (Cluster demonstration on Chickpea and Pigeon Pea)	Central	509996	FLD, Field Day, Ag. Exhibition -	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	N.F.S.M (Cluster demonstration on Chickpea and Pigeon Pea)
Kawardha	N.F.S.M (Cluster demonstration on Chickpea and Pigeon Pea	Central	406650	FLD, Field Day, Ag. Exhibition -	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	N.F.S.M (Cluster demonstration on Chickpea and Pigeon Pea)
Kawardha	STRY	Central	42000	For Training	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	
Kawardha	Fruit Science	State	20000	For Nursery	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	
Kawardha	Kewada	State	50000	For Kewada	Kawardha, S. Lohara, Pandariya and Bodla, District- Kabirdham	

18. Status of Contingency Utilization Jan-Dec-2019

Name of KVK	**Total Contingency allotted (Rs.)**	**Fund used by KVKs (Rs)**			**Balance (Rs.)**
		Activities	**No of Activities**	**Exp (Rs)**	
Kawardha	1100000.00	OFT	20	100000.00	**-**
		FLD **(other than CFLD)**	18	90000.00	
		Training	86	430000.00	
		Extension Activities	46	230000.00	
		SAC Meeting	01	25000.00	
		Special Programme (**Pl. Specify**)	04	80000.00	
		Others (**Pl. Specify**)	-	145000.00	

19. Status of Revolving Funds (Rs.)

KVK Name	**Account No.**	**Opening balance on 01 .01.2019 (Rs.)**	**Closing balance 31.12.2019 (Rs.)**	**Name of major source of revolving fund**
Kawardha	288801100365	3108775.20	2930977.69	Seed Production and Others

20. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Award category (local/ Regional/ National)	Awarding Organizations	Amount received
Kawardha	IGKV best KVK Extension Service Award-2017	Group	Regional	IGKV Raipur	75500
Kawardha	Pt. Deen Dayal Upadhyay Krishi Vigyan Protsahan Award – 2018, on Dated16.07.2019	Group	Zonal	ICAR, New Delhi	225000
Kawardha	Er. T. S. Sonwani, SMS, FMP, Technological Advancement Exhibition- Rashtriya Krishi Uday Award- 2019 during 14-16 Oct 2019	Group	Regional	JNKVV, Jabalpur	Appreciation Certificate
Kawardha	Smt. Aditi Kashyap, W/o. Shri Manak Ram Kashyap, Village – Paliguda, Block – Kawardha, District- Kabridham has been Awarded with Agriculture Minister Krishi Karman Award by Hon'ble Prime Minister of India, Shri Narendra Modi on 02 Jan 2020	Farmer	National	Tumkur, Karnataka	200000
Kawardha	Shri Subhash Chandra Pandey, Krishak Samridhi Award, on 29 July 2019	Farmer	Regional	IGKV Raipur	
Kawardha	Smt. Aditi Kashyap, Krishak Samridhi Award, on 29 July 2019	Farmer	Regional	IGKV Raipur	
Kawardha	Shri Balak Das, Krishak Samridhi Award, on 29 July 2019	Farmer	Regional	IGKV Raipur	
Kawardha	Shri Itwari Dhurwe, Krishak Samridhi Award, on 29 July 2019	Farmer	Regional	IGKV Raipur	
Kawardha	Shri Naitik Agrawal, Krishak Samridhi Award, on 29 July 2019	Farmer	Regional	IGKV Raipur	

21. Details of Crop cafeteria in Agro-technological Park in your KVK.

Area covered under crop cafeteria (sq. meter)	Type of crop (Cereals, Pulses, Oilseeds, Vegetables, medicinal, Spices, fruits etc.)	Name of crop	Name (s) of variety	Name of best variety of concerned crop
500.00	Cereals	Rice	Different varieties	Rajeshwari
350.00	Oilseeds	Soybean	Different varieties	JS2069
100	Pulses	Green gram	Pariy moong,HUM-16	Pariy moong
50	Pulses	Black gram	Indira urd-1	Indira urd-1

22. Farm Innovators- list of 10 Farm Innovators from the District*

Sr. No.	Name of KVK	Name of Farm Innovator	Name of the Innovation	Address of the farm innovator with pin code	Mobile No.
1	Kawardha	Adity Kashyap	High Tech Rice Production	Village-Paliguda, Kawardha	6260334593
2	Kawardha	Subhash Pandey	Organic Farming	Vill- Ghothiya, Kawradha,	7771991777
3	Kawardha	Balak Das	Mushroom Production	Vill-Bodla,Kawardha	8889001045
4	Kawardha	Bhaghirathi Patel	vegetable production	Vill-Gangpur,Kawardha	9340613812
5	Kawardha	Kaushal Kishor	Seed production	Vill- Karesara Kawardha	9111348989
6	Kawardha	Itwari Dhurwe	Integrated Farming System	Vill-Chadeni, Kawardha	8964860498
7	Kawardha	Rupendra Jaiswal	High-tech vegetable production	Vill- Kawardha	9893294155
8	Kawardha	Naitik Agrawal	Integrated Farming System	Vill-Bajarcharbhata	9406010597
9	Kawardha	Kedar Singh Thakur	Tuber Crop Production	Vill-Khairjhiti,Kawardha	9589108360
10	Kawardha	Mahendra Chandrawanshi	Organic Farming	Vill- Daujari, Kawradha,	7987714045

***Attached separate File**

23. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers participated
Kawardha	01.01.19,03.01.19,07.01.19,08.01.19,09.01.19,11.01.19,22.01.19,01.02.19,13.02.19,23.02.19,11.03.19,13.03.19, 19.03.19,08.04.19,10.04.19,19.04.19,27.04.19,12.05.19,17.05.19,21.06.19,29.06.19,02.07.19,26.07.19,31.07.19, 01.08.19,20.08.19,21.08.19,22.08.19,29.08.19,06.09.19,11.09.19,16.09.19,24.09.19,26.09.19,01.10.19,05.10.19, 16.10.19,21.10.19,26.10.19,03.11.19,08.11.19,16.11.19,24.11.19,30.11.19,02.12.19,05.12.19,11.12.19,17.12.19, 23.12.19,26.12.19,29.12.19,31.12.19.	Approx 25 farmers interaction of each village

24. Outreach of KVK

Name of KVK	Total number of Block/villages in district		Number of Blocks		Number of Villages	
	Block	Village	Intensive	Extensive	Intensive	Extensive
Kawardha	04	04	04	02	04	02

Intensive- OFTS, FLDS etc
Extensive- Literatures, Publications, and Awareness programmes etc.

25. Technology Demonstration under Tribal Sub Plan on Pulses/ Programme on Harnessing Pulses/ Quality Protein Maize, if applicable.

KVK Name	Name of crop under Technology demonstration	Area under the programme/ Demonstration	No. of Farmers benefited	No of Villages Covered	No. of Extension Activities	No. of Farmers benefited by extension activities	Results/ Observation*
Kawardha	**Chickpea**	**20**	**50**	**02**	**04**	**150**	

***Attached separate File**

26. KVK Ring

KVK Name	Name of Ring Partner	Name of activities/Events organized in collaboration	No. of Participants		Lessons learnt/ Experiences gained.
			Your KVK	Other KVK	
Kawardha	Rajnandgoan	Training, Field visit			
Kawardha	Bemetara		01	01	Sugarcane intercropping , IPM in Chickpea production ,and More focus in IFS Modules establishment at farmers field

27. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Kawardha	Dr. K. K. Chaudhari, Dean, CoF, Kawardha	29.01.2019		Chief Guest in Field Day		
Kawardha	Dr. A. L. RATHORE, DES, IGKV RAIPUR	23.02.2019		Visited KVK Farm		
Kawardha	Shri SNTOSH PATEL, PRESIDENT , JILA PANCHAYAT, KABIRDHAM (C.G.)	24.02.2019			Chief Guest on Live Telecast of PM Kisan Samman Nidhi Programme	
Kawardha	Dr. B. Nightingle Devi, Asstt. Prof. College of Fisheries, Kawardha	24.02.2019		Participated on Live Telecast of PM Kisan Samman Nidhi Programme		
Kawardha	Shri Om Narayan Verma, Asstt. Prof., S. K. College of Agriculture & Research Station, Kawardha	24.02.2019		Participated on Live Telecast of PM Kisan Samman Nidhi Programme		
Kawardha	Shri P. D. Hatheshwar, Sahayak Sanchalak, Krishi Karyalaya Upsanchalak, Krishi Kawardha	24.02.2019			Participated on Live Telecast of PM Kisan Samman Nidhi Programme	
Kawardha	Shri R. K. Raj, Karykram Abhiyanta, Keg, Kshetra, KARYAKRAM Rajnandgaon	28.03.2019			Participated in Krishak Sanghosthi & Visited KVK	
Kawardha	Shri Chhabi Lal Sahu, Sahayak Abhiyanta, Creda Jila Karyalay, Kabirdham	28.03.2019			Participated in Krishak Sanghosthi & Visited KVK	
Kawardha	Mrs. Kalpana Bhushan Joshi, (Asstt. Prof. CHN Deprt.)	30.03.2019			Visited KVK	
Kawardha	Mrs. Reeta Sahu, (CHN Deprt.) Govt. Nurshing College, Kawardha				Visited KVK	
Kawardha	Dr. Deepti Jha, Sceintist, DES, IGKV , Raipur	06.05.2019		Visited KVK		
Kawardha	Shri . K. L. Sahu, Beej Pramanikaran Adhikari, C. G. Rajya Paramanikaran Sanstha, Raipur	07.09.2019			Visited KVK Farm	
Kawardha	Dr. N. P. Mishra, DDVs, Kabirdham	11.09.2019			Attended NADCP Programme & Visited KVK Farm	
Kawardha	Dr. Nirmal Kedia, VAS, Bodla	11.09.2019			Attended NADCP Programme & Visited KVK Farm	
Kawardha	Dr. A. K. Bachkes	11.09.2019			Attended NADCP Programme & Visited KVK Farm	

Kawardha	**Shri P. K. Pandey, Asstt. Professor, deprt of Agri. Extension, IGKV Raipur**	**20.09.2019**		**Visited KVK Farm**		
Kawardha	**Dr. P. Suprasahhe, Head, Nuclear Agriculture & Biotechnology Div. BARC Mumbai**	**22.09.2019**			**Visited KVK Farm**	
Kawardha	**Dr. P. K Mukherjee, BARC, Mumbai**	**22.09.2019**			**Visited KVK Farm**	
Kawardha	**Dr. Anil S Kotasthane, Pref & Head Plant Pathology, CoA, IGKV Raipur**	**22.09.2019**		**Visited KVK Farm**		
Kawardha	**Smt. Mamta Chandrakar, MLA, Pandariya**	**27.09.2019**			**Field Day Programme**	
Kawardha	**Dr. R. K. Dwivedi, dean, SKCARS Kawardha**	**27.09.2019**		**Field Day Programme**		
Kawardha	**Dr. N. Sarang, Asstt. Prof., CoF, Kawardha**	**22.10.2019**		**Krishak Sanghosthi**		
Kawardha	**Shri. L. K. Bisen, Sahayak Sanchalka Krishi , Krishi Vibhag, Kabirdham**	**22.10.2019**			**Krishak Sanghosthi**	
Kawardha	**Dr. R. K. Dwivedi, dean, SKCARS Kawardha**	**22.10.2019**		**Krishak Sanghosthi**		
Kawardha	**Shri Mannu Ram Chandrvanshi, Sabhapati, Krishi Sthayi Samiti, Kabirdham**	**22.10.2019**			**Krishak Sanghosthi**	
Kawardha	**Shri Vikas Verma, S/o. Mr. R. P. Verma, deendayal colony Mangla, Bilaspur**	**22.10.2019**			**Krishak Sanghosthi**	
Kawardha	**Dr. R. K. Dwivedi, dean, SKCARS Kawardha**	**18.11.2019**		**Rural youth training programme**		
Kawardha	**Dr. K. K. Choudhari, Dean, College of Fisheries, Kawardha**	**23.11.2019**		**STRY Training**		
Kawardha	**Shri Swami Apwokanarola, Ramkrsihna Mission, Narayanpur (C. G.)**	**26.11.2019**			**Visit KVK Farm**	
Kawardha	**Dr. K. K. Choudhari, Dean, College of Fisheries, Kawardha**	**05.12.2019**		**World Soil Health Day**		
Kawardha	**Dr. S. C. Mukherji, DES, IGKV Raipur**	**03.12.2019**		**Visit KVK Farm**		

28. Status of KVK Website during Jan to Dec. 2019

S.No	Name of KVK	Date of start of website	Address of Website	No. of updates during 2019	No. of visitors during 2019
1	Kawardha	02.02.2014	www.kvkkawardha.org	56	1510

29. Status of Mobile Apps developed by KVK

Name of KVK	Year	Title of Mobile App	Link to Play Store	No. of Installs
Kawardha	Nil	Nil	Nil	Nil

30. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
	Kawardha	Nil	Nil	

31. Status of Citizen Charter

Sr. No.	Name of KVK	Query received(Nos)	Query Disposed(Nos)	Remarks
1	Kawardha	Nil	Nil	

32. Participation in HRD Programme organized by ATARI

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kawardha	Er. T. S. Sonwani	SMS, FMP	Review Workshop on Large Scale Technology Adoption and Impact , 04.02.2019	ICAR ATARI, Jabalpur (M. P.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Expert Consultation Workshop on Technology Application and Impact by KVK, 28.01.2019	ICAR ATARI, Jabalpur (M. P.)
Kawardha	Er. T. S. Sonwani	SMS, FMP	Workshop of project-impact of CFLD in India, 18 Feb.,2019.	ATARI Kanpur (U. P.)
Kawardha	Dr. B. P. Tripathi,	I/c SS&H	Annual Action Plan workshop of KVKs during 2-3 May ,2019	ATARI, Jabalpur (M.P.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review Workshop of Seed Hub during 27-28 May,2019	ATARI ,Jabalpur (M.P.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	91st Foundation Day and Receiving Zonal Award 2018 during Award Ceremony during 15-16.07.2019	New Auditorium of ICAR Convention Center at NASC Complex, Pusa, New Delhi
Kawardha	Dr. B. P. Tripathi	I/c SS&H	26th Zonal Workshop during 27-29 July 2019	Khajuraho, KVK Chhatarpur (M. P.)
Kawardha	Shri Yogesh Ku. Kaushik	PA (Computer)	To Participate in Brainstorming Session on Technological Innovations and Strategies for Farmers' Prosperity in Madhya Pradesh & Chhattisgarh along with Farmers during 26-27 August, 2019	C. Subramaniam Hall, New Auditorium, NASC Complex, PUSA, New Delhi
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review Meeting of QRT Presentation on 21.09.2019	ATARI, ZONE-IX, JABALPUR (M. P.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review Meeting of QRT Presentation on 21.09.2019	ATARI, Zone - IX, Jabalpur (M. P.)
Kawardha	Er. T. S. Sonwani	SMS (FMP)	participate farmer fair during 14-16 Oct. 2019	JNKV, Jabalpur (M.P.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Agricultural scientist meet on 06.11.2019	Kolkata
Kawardha	Smt. Rajeshwari Sahu	SMS, Horti.	Skill Training Programme during 26-28 November 2019	JNKVV Jabalpur
	Total	13	13	

Name of KVK	Total Number of staff Attended HRD Programme organized by ATARI (nos)	Total Number of Programme attended (Nos)
Kawardha	13	13

33. Participation in HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kawardha	Er. T. S. Sonwani	SMS (FMP)	Meeting regarding Breeder seed allocation on 08.05.2019	Directorate of Farm (Seeds & farm) IGKV Raipur
Kawardha	Dr. B. P. Tripathi, SS&H	I/c SS&H	Pre- Zonal workshop of Krishi Vigyan Kendra of IGKV During 26-27 April 2019	DES, IGKV, RAIPUR
Kawardha	Er. T. S. Sonwani	SMS (FMP)	Pre- Zonal workshop of Krishi Vigyan Kendra of IGKV During 26-27 April 2019	DES, IGKV, RAIPUR
Kawardha	Shri B. S. Parihar	SMS, (Agronomy)	Pre- Zonal workshop of Krishi Vigyan Kendra of IGKV During 26-27 April 2019	DES, IGKV, RAIPUR
Kawardha	Smt. Rajeshwari Sahu	SMS, (Hort.)	Pre- Zonal workshop of Krishi Vigyan Kendra of IGKV During 26-27 April 2019	DES, IGKV, RAIPUR
Kawardha	Er. T. S. Sonwani	SMS (FMP)	Discipline Meeting During 26-27 April 2019	Faculty of Agriculture Engg. IGKV Raipur
Kawardha	Shri B. S. Parihar	SMS, (Agronomy)	Discipline Meeting During 26-27 April 2019	Deprt. of Agronomy, IGKV Raipur
Kawardha	Smt. Rajeshwari Sahu	SMS, (Hort.)	Discipline Meeting During 26-27 April 2019	Deprt. of Horticulture, IGKV Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Discipline Meeting **During** 26-28 April 2019	Deprt. of Plant Pathology, IGKV Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Pre- Zonal workshop of Krishi Vigyan Kendra of IGKV **During** 26-27 April 2019	DES, IGKV, RAIPUR
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Training programme on "NICE System" for the content Developers, Content Managers and CRPs During 04 June 2019	DES, IGKV, RAIPUR
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Research & extension Planning Meeting (Level IV Meeting) During 25.May 2019	IGKV Raipur
Kawardha	Smt. Rajeshwari Sahu	SMS, (Hort.)	Workshop on Nutri Smart Village During 29-30 May 2019	DES, IGKV, RAIPUR
Kawardha	Smt. Rajeshwari Sahu	SMS, (Hort.)	Review Workshop of Tribal KVKs During 29-30 May, 2019	DES, IGKV, RAIPUR
Kawardha	Shri P. K. Sinha	FM (Soil Science)	Farm Meeting for Seeds and Farm Planning 2019-20 During 03-04 June 2019	Seminar Hall, College of Agriculture, Raipur
Kawardha	Shri B. S. Parihar	SMS (Agronomy)	Farm Meeting for Seeds and Farm Planning 2019-20 During 03-04 June 2019	Seminar Hall, College of Agriculture, Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review meeting During 12-13 July, 2019	DES, IGKV, Raipur
Kawardha	Er. T. S. Sonwani	SMS (FMP)	Participate in Krishak Samridhi Smarika Vimochan 2019 along With Farmers on 29.07.2019	IGKV Raipur (C. G.)
Kawardha	Dr. B. P. Tripathi	SS&H	Monthly Review Meeting on 03.08.2019	DES Office, IGKV, Raipur (C. G.)
Kawardha	Shri A. K. Khare, Asstt	Gr. II	One Day Finance Training Programme on 08.08.2019	MIS Unit, Ground floor, Dr. R.H. Richariya Rice Research Lab, IGKV, Raipur
Kawardha	Shri Yogesh Ku. Kaushik	PA (Computer)	One Day Finance Training Programme on 08.08.2019	MIS Unit, Ground floor, Dr. R.H. Richariya Rice Research Lab, IGKV, Raipur
Kawardha	Smt. Rajeshwari Sahu	SMS (Hort.)	Participate in Inauguration Function of CARS, Saja, Bemetara & Kisan Mela on 17.08.2019	Saja, District- Bemetara (C. G.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Participate in Inauguration Function of CARS, Saja, Bemetara & Kisan Mela on 17.08.2019	Saja, District- Bemetara (C. G.)
Kawardha	Shri B. S. Parihar	SMS (Agronomy)	Participate in Inauguration Function of CARS, Saja, Bemetara & Kisan Mela on 17.08.2019	Saja, District- Bemetara (C. G.)
Kawardha	Er. T. S. Sonwani,	SMS (FMP)	Participate in Inauguration Function of CARS, Saja, Bemetara & Kisan Mela on 17.08.2019	Saja, District- Bemetara (C. G.)

Kawardha	Shri Yogesh Ku. Kaushik	PA (Computer)	Participate in Inauguration Function of CARS, Saja, Bemetara & Kisan Mela on 17.08.2019	Saja, District- Bemetara (C. G.)
Kawardha	Er. T. S. Sonwani	SMS (FMP)	Visit Bhoom Gadi Kodo Kutki Processing Unit along with Farmer on 11.09.2019	Dantewada (C. G.)
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review Meeting of QRT Presentation on 18.09.2019	DES Office, IGKV Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review meeting of Seed Hubs on 31.8.2019	DES Office, IGKV Raipur
Kawardha	Shri B. S. Parihar	SMS, Agronomy	Review meeting of Seed Hubs on 31.08.2019	DES Office, IGKV Raipur
Kawardha	Smt. Rajeshwari Sahu	SMS (Horticulture)	attend the review meeting of accredition of nursery on 18.10.2019	Director Farm, IGKV, Raipur
Kawardha	Shri B. S. Parihar	SMS, Agronomy	participate in International Workshop on "Modernization of rce breeding" along with farmers on19.10.2019	IGKV, Raipur
Kawardha	Shri Parshottam Sinha	FM	meeting of Accreditation of horticulture nursery through NHB for production of planting material of various fruit, vegetable and flowers crops on 05.10.2019	Director of Farms, IGKV, Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review meeting des, office on 13.11.2019	Des,IGKV,Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review meeting des, office on 21.11.2019	Des,IGKV,Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	79th Annual Conference of the Indian Society of Agricultural Economics (ISAF) on 21.11.2019	Swami Vivekanand Auditorium, IGKV Raipur
Kawardha	Dr. B. P. Tripathi	I/c SS&H	Review meeting des, office 27.11.2019	Des, IGKV, Raipur
Kawardha	Dr. B. P. Tripathi,	I/c SS&H	Farmer Innovator Researcher Meet/Workshop during 27-28 November 2019	IGKV Raipur
Kawardha	Smt. Tripti Thakur	FM, Soil Science	Meeting of Breeder Seed Requirement of Different Farms for Kharif 2021 and Rabi 2021-2022 on 13.12.2019	Directorate of Farm (Seeds & Farms) , IGKV Raipur

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Kawardha	39	27

34. Participation in HRD Programme 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)
Kawardha	Smt. Rajeshwari Sahu	SMS, Horti.	Skill Training Programme at JNKVV Jabalpur	26-28 November 2019	TOT

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Kawardha	1	1

35. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ATARI, SAU, Agri. Deptt. And ICAR)

Name of KVK	Situation observed	Date of Alert sent	Type of alert (KMA,	Reported to organization
Kawardha	2	Soybean Pest, Paddy Pest	DES, , DRS, Dirctor Farm, IGKV Raipur	Kawardha

36. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock /technology
Kawardha	Gushiest	6	487	
Kawardha	Lectures organized	04	244	
Kawardha	Exhibition	02	Mass	
Kawardha	Film show	03	Mass	
Kawardha	Fair	-	-	
Kawardha	Farm/ Field Visit	52	Mass	
Kawardha	Diagnostic Practical's			
Kawardha	Distribution of Literature (No.)	04	Mass	
Kawardha	Distribution of Seed (q)	80.07	425	
Kawardha	Distribution of Planting materials (No.)	60000	226	
Kawardha	Bio Product distribution (Kg)	500	250	
Kawardha	Distribution of Bio Fertilizers (q)	1000	150	
Kawardha	Distribution of fingerlings	100	10	
Kawardha	Distribution of Livestock specimen (No.)	1803.5	10	
Kawardha	Total number of farmers visited the technology week	1694	Mass	
Kawardha	Animal health camp	04	50	
Kawardha	Awareness programme	20	Mass	
Kawardha	Demonstration	18	216	
Kawardha	Exposure visit	05	127	
Kawardha	Ex-trainees Meet	08	246	
Kawardha	Farmer scientist interaction	52	1300	
Kawardha	Farmers Training	86	2933	
Kawardha	Gajarghans Unmulan Pakhwada	06	250	
Kawardha	Group Meeting	10	188	
Kawardha	Jai Kisan Jai Vigyan Sangoshthi	02	86	
Kawardha	Plant Protection Week	01	117	
Kawardha	Seed treatment campaign	02	120	
Kawardha	Self Help Group convener meet	56	1582	
Kawardha	Soil health Camp	01	66	
Kawardha	Swachha Bharat Abhiyan	20		
Kawardha	Krishak Reen mafi	13	Mass	
Kawardha	WORLD ENVIRONMENT DAY	01	75	
Kawardha	WORLD TOBACCO DAY	01	63	
Kawardha	INTERNATIONAL YOGA DAY	01	45	
Kawardha	Hareli tihar	01	52	
Kawardha	Others (Pl. Specify) Celebration of Samvidhan Divas	01	35	

37. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops	Variety	Area (ha)	Number of beneficiaries
Kawardha	Paddy	Rajeshwari,Indira barani-,	10	25
Kawardha	Soybean	JS9752,JS 2069,	40	100
Kawardha	Chickpea	RVG202,JG-14	70	175

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components(Breading/Feeding/ Health/ Housing)	Number of interactions	No. of participants
Kawardha	Livestock Health and Housing Management	10	250

Animal health camps organized

Name of KVK	Number of camps	No. of animals Attended	No. of farmers Benefitted
Kawardha	**04**	**160**	**50**

Seed distribution in drought hit area

Name of KVK	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Kawardha	Nil	Nil		

Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				
Kawardha	Drumstick	5000	5	100
Kawardha	Mango	5000	5	100
Kawardha	Guava	5000	5	100
Kawardha	Jackfruit	5000	5	100

Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Kawardha	NIL	Nil	Nil	Nil

Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Kawardha	NII	Nil	Nil	Nil

Worms Produced

Name of KVK	Worms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Kawardha	Nil	Nil	Nil	Nil

Large scale adoption of resource conservation technologies

Name of KVK	Crops	Variety	list of resource conservation technologies introduced	Area (ha)	Number of farmers
Kawardha	Nil	Nil	Nil	Nil	Nil

Awareness campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Kawardha	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

38. Activities for Sansad Adarsh Gram

Information about Sansad Adarsh Gram

Name of KVK	Block	Village
Kawardha	Bodla	Rajanawagaon

1. **Technologies to be demonstrated**

Name of Technology	Name of Crop/Enterprise	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Crop Demonstration	Soybean	10	16.50	17.24	25
Crop Demonstration	Chickpea	10	-	-	25
Crop Demonstration	Linseed	10			25

2**. Extension Activities**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Krishak Sanghtoshti	28	15	6	49
Field Day	75	60	13	148

3. **Training Programme**

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Farmer Training	56	45	12	113

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

Name of the KVK	**Kawardha**
TITLE	**Integrated Farming System**
Introduction	**Name & Address of the Farmer**: Mrs. Aditi Kashyap Village- Paliguda, Block- Kawardha, District - Kabirdham, 491995 **Awards and Recognition:-** **1- Krishak Samridhi Award – 2019 on 29.07.2019** **2- Krishi Karman Award – 2016-17 on 02.01.2020** 
KVK intervention	Smt. Aditi Kashyap, is a dedicated and innovative farmer, native from the village-Paliguda, Block-Kawardha, District-Kabirdham. She is a Housewife and chosen agriculture as profession and started devoting her time focusing on a better farming. She is having 5.0 ha of land. Though she was cultivating paddy, Maize, Wheat, and pulses like Gram and Pigeon pea in her farm regularly, but she was not getting the expected income. She felt that doing agriculture through conventional method minimized the yield and income. It is also associated with low productivity, increased cost on agriculture inputs and poor or no utilization of existing farm resources available in the farm. The conventional method also produced ecological problems on crop diversity, animals and poultry as well as soil and water pollution. To overcome the problems faced by her, she started searching the new method which improves the farm productivity, soil health and income. She had visited Krishi Vigyan Kendra, Kawardha during year 2015 and has got the chance to learn about the Integrated Farming System models. With the Convergence programme with the allied department she dug one pond for fish cultivation, and also establishes fruit Orchard, grows Vegetables and spices, reared mulching cows to fulfill the Organic farming component units in her farm. From 2015 onwards, she is having close contacts with the KVK for the technical help, up gradation of new components and guidance. She has been attending lot of trainings, seminars, workshops conducted by the KVK. With the guidance of KVK, in a total of 5.0 ha of land area, she practices Integrated Farming system. She has also established a Vermicompost production unit and a fish pond with the production capacity of 1000 fishes in 90 days cycle. As a progressive farmer she always tries to improve her skill and eager to know every aspects of farming from various sources, trainings, experts, department personnel etc. she eventually set a good example of improved cultivation/farming by incorporating those knowledge with his own innovation in front of other farmers. She adopted so many new technologies in farming. Smt. Aditi Kashyap is integrating all the existing resources available in her farm completely for the economic and ecological improvements for the past 4 years.
Output	The adoption of integrated Farming System involving minimum use of external inputs, crop residue recycling and organic practices can improve economic and ecological issues. With this challenge, 1) The Integrated Farming System increased the sustainable income from various components round the year. 2) The cost of production has been drastically reduced due to reduction in external output purchase as the recycling of most of the available resources was done for the production.

	3) The environmental, soil and water pollution have been decreased considerably as the farm and other wastes were recycled effectively.	
Outcome	Her success influenced neighboring farmers so much that many other farmers get interested and adopted the IFS models in their farm. Now she became the role model for establishing a successful Integrated farming System in the district. To recognize Smt. Aditi Kashyap effort in the field of farming, The Govt. Of India, Awarded with **Krishi Karman Award 2016-17** for highest Paddy production during the farmer's day celebration in 02 January 2020 at Karnataka.	
Impact		
Photographs		
	Krishak Samridhi Award – 2019 on 29.07.2019	**Krishi Karman Award – 2016-17 on 02.01.2020**

❖ **2-3 Photographs with caption in .jpeg format.**

Name of the KVK	**Kawardha**
TITLE	**High –Tech Horticulture Production**
Introduction	**Name**-Rupendra Jaiswal, **Address-** Village – Khadauda, Block- Sahaspur Lohara, Distt- Kabirdham, Mo. No. 9893294155 **Age**-28, **Education level**-MBA, Size of land holding (acres) -10 Acres. 
KVK intervention	Rupendra Jaiswal is a MBA graduate student belonging from farmer family, they were engaged in traditional farming of cereals, pulses and oilseed earn very less income from per acres of land. They came in contact with KVK, and motivated to start horticulture farming in scientific manner. They initiated vegetable production under drip irrigation, Capsicum production under polyhouse condition and during Rabi season they grow Muskmelon and Watermelon with drip irrigation at upland situation. They are provided with all the skill based knowledge. The impact of hardworking attitude of farmer and their ability to grasp the technologies at a much faster rate for better adoption the way they deserved to be implemented.
Output	With the adoption of scientific technology, they are now efficiently utilize the man power, water and land resources efficiently to earn more profit
Outcome	The beneficiary earns Net profit of Rs. 4.5 Lac rupees within 5 months from 1 acres of land under polyhouse condition. During Rabi season by Muskmelon cultivation, per acre he produce 12 ton of fruits, obtained Net profit of Rs.2.5 lacs. From 7 acres of land he earns Net profit of Rs. 18 lacs within 5 months
Impact	So trained farmers actively guide other farmers in adoption of new technologies and at present they are having 10 ha of land under vegetables. This is how, adopted technology is percolating from one area to another area, once impact of technology is visible in field.
Photographs	 

	Capsicum Production under Protected Cultivation	Capsicum Production under Protected Cultivation
		
	Muskmelon Cultivation after Harvesting	Field View of Muskmelon Cultivation

(b) Summary of Case study / Success Story developed by KVK

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Kawardha	2	2

40. 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)