

Indira Gandhi Krishi Vishwavidyalaya, Raipur
Krishi Vigyan Kendra, Kawardha

ANNUAL ACTION PLAN
(April 2016 to March 2017)

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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 mentioning “Additional Information”**
- 9. 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.**

Note for Annual Action Plan 2016-17

1) Kindly fill up only targeted/ proposed information for Annual Action Plan-from 1st April, 2014 to 31st March 2015 in the table no.1,(1.1,1.2,1.3,1.4), 2.1, 3.2, 3.4, 3.5, 4.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6 6.0, 7.1, 7.2, 7.3, 7.4, 8.1, 9.0, 10.0, 11, 12.1, 12.2, 12.3, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29. Remaining of the column and tables will be filled up after completion of the work as Annual Progress Report.

2) Any other activities proposed not mentioned in this format may be incorporated in the last page with certain specification.

PERIOD – April 2016 to March, 2017

Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
	OFTs	18	72			
	FLDs – Oilseeds (activity in ha)	02	24			
	FLDs – Pulses (activity in ha)	03	36			
	FLDs – Cotton (activity in ha)	00				
	FLDs – Other than Oilseed and pulse crops(activity in ha)	08	70			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	06	48			
	Training-Farmers and farm women	72	2550			
	Training-Rural youths	10	350			
	Training- Extension functionaries	02				
	Extension Activities	282	Mass			
	Seed Production (Number of activity as seeds in quintal)	350				
	Planting material ((Number of activity as quantity of planting material in quintal)	550				
	Seedling Production (Number of activity as number of seedlings in numbers)	600				
	Sapling Production (Number of activity as number of sapling in numbers)	600				
	Other Bio- products (No. of quantity)	01	120			
	Live stock products	01	25			
	Activities of Soil and Water Testing Laboratory	00				
	Rainwater Harvesting System	00				
	Kisan Mobile Advisory (KVK-KMA)	50	40000			
	SAC Meeting (Date & no. of core/ official members)	01	50			
	Literature to be Developed/Published	25	Mass			
	Convergence programmes / Sponsored programmes	04				

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
	Utilization of Farmers Hostel	00				
	Utilization of Staff Quarters	00				
	Details of KVK Agro-technological Park	00				
	Crop Cafeteria-	05	Mass			
	Farm Innovators- list of 10 farm innovators from the District	10				
	Status of Revolving Funds	00				
	Awards and Recognitions	10				
	Case study / Success Story to be developed	05				
	KVK Progressive Farmers interaction	30				
	Outreach of KVK in the District (No. of blocks, no. of villages)	04				
	Technology Demonstration under Tribal Sub Plan	03	100			
	KVK Ring	02				
	Important visitors to KVK	30				
	Status of KVK Website	01	Mass			
	Status of RTI	00				
	E-connectivity	00				
	Details of Technology Week Celebrations	05	Mass			
	Interventions on Drought Mitigation	10	Mass			
	Proposal of NAIP	00				
	Proposal of NICRA	00				
	Well labeled photographs	40				
	Other Activities	10	200			

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Kawardha	Programme Coordinator	Vacant				37400-67000+8000 Rs. 9000				
Kawardha	Subject Matter Specialist1	Dr. B.P.Tripathi (I/c Programme Coordinator)	Plant Pathology	Ph. D.	Plant Pathology	15600-39100 + 5400 AGP		06.09.12	Temporary (On Probation)	Others
Kawardha	Subject Matter Specialist2	Dr. Nutan Ramteke	L.P.M	M. V. Sc.	L.P.M	15600-39100 + 5400 AGP		06.09.12	Temporary (On Probation)	SC
Kawardha	Subject Matter Specialist3	Er. T.S.Sonwani	F.M.P	M. Tech.	F.M.P	15600-39100 + 5400 AGP		10.09.12	Temporary (On Probation)	SC
Kawardha	Subject Matter Specialist4	Smt. Pramila Kant	Horticulture	M. Sc.	Horticulture	15600-39100 + 5400 AGP		12.09.12	Temporary (On Probation)	SC
Kawardha	Subject Matter Specialist5	Sh. B.S. Parihar	Agronomy	M.Sc.	Agronomy	15600-39100 + 5400 AGP		18.09.14	Temporary (On Probation)	Others
Kawardha	Subject Matter Specialist6	Miss Manisha Khaparde	Fisheries	M.Sc.	Fisheries	15600-39100 + 5400 AGP		01.10.14	Temporary (On Probation)	SC
Kawardha	Programme Assistant	Smt. Swati Sharma	Entomology	M.Sc.	Entomology	9300-34200+4200 AGP		05.11.14	Temporary (On Probation)	Others
Kawardha	Farm Manager	Vacant								
Kawardha	Computer Programmer	Mr. Yogesh Kumar Kaushik	Information Technology	BE (IT)	Information Technology	9300-34200+4200 AGP		12.07.2013	Temporary (On Probation)	Others
Kawardha	Accountant / superintendent	Shri A. K. Khare		M. A.		5200 – 20200 + 2800 AGP		28.07.10	Temporary	SC
Kawardha	Stenographer	Vacant								
Kawardha	Driver	Shri Khileshwar Sahu		Higher Secondary		5200-20200 +1900AGP		01.04.13	Temporary (On Probation)	OBC

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Kawardha	Driver	Shri Haran Ram Kaushik		Primary		5200-20200 +1900AGP		01.04.13	Temporary (On Probation)	OBC
Kawardha	Supporting staff	Shri. Salik Ram Lodhi		Middle		4750 – 7400 + 1300 AGP		16.09.08	Temporary (On Probation)	OBC
Kawardha	Supporting staff	Shri Shiv Kumar Lodhi		Primary		4750 – 7400 + 1300 AGP		16.09.08	Temporary (On Probation)	OBC

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

Sr. No.	Particulars	Quantity/Area
1.	Geographic Area	4.44 lac ha
2.	Rainfall	830.00 mm
3.	Forest Area	1.81 lac ha
4.	Double Cropped Area	0.91 lac ha
5.	<i>Kharif</i> Area	1.58 lac ha
6.	<i>Rabi</i> Area	1.19 lac ha
7.	Total Cultivated Area	2.77 lac ha
8.	Net Cultivated Area	1.85 lac ha
9.	Cropping Intensity	149 %
10.	Barren Land	1.84 lac ha
11.	Cultivable fallow land	0.027 lac ha

12.	Pasture lands	0.28 lac ha
13.	Kharif Irrigated Area	0.75 lac ha
14.	Rabi Irrigated Area	0.42 lac ha
15.	Net Irrigated Area	0.69 lac ha

1.3. DETAILS OF ADOPTED VILLAGE during 1.4.2015 to 31.3.2016 (Approved by competent Authority in meetings/workshops)

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Kawardha	Sonversa	2014-15	Kawardha	18km	1365	175
Kawardha	Sukhatal	2014-15	Kawardha	22km	1000	125

1.4. THRUST AREAS identified by KVK (Approved by competent Authority in meetings/workshop)

KVK Name	THRUST AREA
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 <i>Trichoderma viride</i> 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 (Approved by competent Authority in meetings/workshop)

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	Minminiya jangal/Bodla
Kawardha	Non-availability of quality seeds of suitable HYVs	Discussion with farmers	Sonbarsa, sukhatal/Kawardha

Kawardha	Lack of suitable agricultural implements for seeding of crops	Discussion with farmers, field visit	Telainar/S.Lohara
Kawardha	Lack of proper agricultural infrastructures including irrigation	Discussion with farmers	Taregaon jangal/Bodla
Kawardha	Non-awareness regarding effective control of various pests and diseases (insects, diseases and weeds)	Discussion with farmers and Field visit	Daujari, Rehangi/Kawardha
Kawardha	High incidence of pests and diseases, Improper use of fertilizer and chemicals	Discussion with farmers, field visit	/Pandariya
Kawardha	Less knowledge about post harvest handling of agriculture produce	Discussion with farmers, field visit	mirmitti/Kawardha

2. On Farm Testing

2.1 Information about OFT to be conducted

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Kawardha	Kharif 2016	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.	Assessment	Integrated crop management	Paddy / Herbecides	Rainfed lowland (Dorsa)		04	Assessment of crop management practices in line sown direct seeded rice				
Kawardha	Kharif 2016	Heavy Yield Loss due to Weed Infestation, Labour Problem	Assessment	Weed Management	Soybean/ herbicides	Rainfed upland (Kanhari)		04	Assessment of chemical weed management in Soybean				

Kawardha	Kharif 2016	Improper, untimely and defective method of Fungicides application	Assessment	Integrated Disease Management	Paddy /Agrochemical	Rainfed lowland (Dorsa)		04	Assessment of IDM modules for False Smut disease in Paddy				
Kawardha	Kharif 2016	Improper, untimely and defective method of Fungicides application	Assessment	Integrated Disease Management	Paddy /Agrochemical	Rainfed lowland (Dorsa)		04	Assessment of IDM modules for Blast disease in Paddy				
Kawardha	Kharif - 2016	low yield of existing variety	Assessment	Varietal Evaluation	Onion Variety Bhima Dark red	Irrigated Upland (Kanhar)			Assessment of high yielding variety of Onion				
Kawardha	Kharif-2016	Un availability of quality seeds	Assessment	Varietal Evolution	Chhattisgarh safed baigan -1	Irrigated Upland (Kanhar)		04	Assessment of high yielding variety of Brinjal				
Kawardha	Kharif - 2016	Low yield Due to traditional method of sowing because broadcasting causes improper coverage of seed and fertilizer, Drainage or water logging	Assessment	Farm Mechanization	Raised bed planter	Rainfed upland (Kanhar)		05	Assessment of Raised bed planter for line sowing of soybean				
Kawardha	Kharif - 2016	Not available labors at the time and high cost for harvesting through manually.	Assessment	Farm Mechanization	Self propelled reaper	Rainfed upland (Kanhar)		05	Assessment of Self propelled Reaper For Harvesting of Paddy				
Kawardha	Kharif - 2016	Heavy loss of crop due to borer infestation in pigeon pea	Assessment	Integrated Pest Management	Pigeon pea	Rainfed upland (Kanhar)		04	Assessment of IPM modules against borer complex in pigeon pea				
Kawardha	Kharif - 2016, Rabi 2016-17	High cost of poultry meat	Assessment	Backyard poultry farming	Khaki Campbell/ Indian runner	Backyard		04	Assessment on backyard Duck farming.				
Kawardha	Kharif - 2016, Rabi 2016-17	Low meat and egg production in desi poultry bird	Assessment	Backyard poultry farming	Kadaknath	Backyard		04	Assessment of Kadaknath on backyard system				
Kawardha	Kharif - 2016, Rabi	Too much mortality of carp fry during rearing management	Assessment	Pest Control	Fishes	-		04	Assessment of pre stocking management of				

	2016-17	due to aquatic insects and predatory and weed fishes							carp fry to see its servility				
Kawardha	Kharif - 2016, Rabi 2016-17	Poor Survival of fish spawn due to lack of feeding material in nursery	Assessment	Fry production	Nursery pond management	-		04	Assessment of fry production				
Kawardha	Rabi 2016-17	Heavy plant mortality in Chickpea due to collar rot when grown after rice in irrigated conditions	Assessment	Integrated Diseases Management	Chickpea, Bioagent	Partially irrigated upland (Kanhar)	-	04	Assessment of <i>Trichodarma viride</i> for control of Chickpea collar rot				
Kawardha	Rabi 2016-17	Low yield obtained by farmers due to early & Late blight	Assessment	Integrated Diseases Management	Tomato	Irrigated upland (Kanhar)	-	04	Assessment of Bio-agent & Chemicals against blight disease of Tomato				
Kawardha	Rabi 2016-17	Kharif pigeon pea takes long duration	Assessment	Integrated Crop Management	Pigeon pea	Irrigated upland (Kanhar)		04	Assessment of Rabi Pigeon pea				
Kawardha	Rabi 2016-17	Assessment Low yield due to local variety	Assessment	Varietal Evaluation	Onion Variety Bhima Shakti	Irrigated Upland (Kanhar)			Assessment of high yielding variety of Onion				
Kawardha	Rabi 2016-17	Heavy loss of crop due to shoot and fruit borer in brinjal	Assessment	Integrated Pest Management	Brinjal	Irrigated Upland (Kanhar)		04	Assessment of IPM modules against shoot and fruit borer in Brinjal				
Kawardha	Rabi 2016-17	Paddy straw and sugarcane trashes not properly decompose in traditional method	Assessment	Improved practice	Use of Trichoderma for decomposing of agriculture waste material			10	Introduction of improved technique of decomposing through Trichoderma				

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.2 Economic Performance

KVK name	OFT Title	Average Cost of cultivation (Rs/ha)			Average Gross Return (Rs/ha)			Average Net Return (Rs/ha)			Benefit-Cost Ratio (Gross Return / Gross Cost)		
		FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)	FP (T ₁)	RP(T ₂)	RP (T ₃)	FP (T ₁)	RP (T ₂)	RP (T ₃)

3. Frontline Demonstrations

3.1. Follow-up for results of FLDs implemented during previous years (upto 2015-16)

List of technologies demonstrated and popularized during previous years and recommended for large scale adoption in the district

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha
Kawardha	Paddy	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	212	1825	2642
Kawardha	Soybean	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	6	560	1020

Kawardha	Elephant foot yaam (Zimikand)	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	16	1500	50
Kawardha	Soybean	Farm Mechanization	Seed cum fertilizer drill introduce	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	40	655	1050
Kawardha	Mushroom	Mushroom cultivation	Mushroom Production	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	6	20	50
Kawardha	Fish, Duck	Fish cum duck culture	Integrated fish cum duck culture	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	5	25	-
Kawardha	Fish Production & management	Fish production	Fish Production & management	Demonstration plots, Discussion with other farmers, Distribution of literatures.	320	450	2550
Kawardha	Gram	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	20	100	100
Kawardha	Wheat	Farm Mechanization	Seed cum fertilizer drill	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	20	50	200
Kawardha	Wheat	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	2	10	10
Kawardha	Sugarcane	Diseases Management	Agrochemical	Visit of other farmers in the Demonstration plots	6	20	50
Kawardha	Azolla	Livestock production and management	Demonstration on Azolla cultivation for feeding of milch animal	Visit of other farmers in the Demonstration plots	6	20	50
Kawardha	Neem and Karanj oil	Livestock production and management	Demonstration on the effect of herbal oil (Neem and Karanj) to control ecto parasites in dairy animals	Visit of other farmers in the Demonstration plots	6	20	50
Kawardha	Arbi	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots	6	20	50

3.2 Details of FLDs to be implemented during 2016-17

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Enterprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Kawardha	Varietal Evaluation	Paddy	Kharif- 2016	Variety	5.00	Indira Rajeshwar i								
Kawardha	Integrated crop management	Paddy	Kharif-2016	Integrated crop management		Seed rate 50 kg seed/ha + Pyrazosulf uron@20 gm/ha, followed by Bispyribac Na 25ml./ha at 25 DAS								
Kawardha	Varietal Evaluation	Soybean	Kharif- 2016	Variety	5.00	JS-97-52								
Kawardha	Weed management	Soybean	Kharif- 2016	Chemical Weed management		Imazethap yr 35% + Imazamox 35% WG (Odyssey) @ 70 g/ ha at 15 DAS								
Kawardha	Varietal Evaluation	Indian Bean	Kharif- 2016	Variety	0.4	Chhattisgarh Sem-1								
Kawardha	Farm Mechanization	Soybean	Kharif- 2016	Seed cum fertilizer Drill	5.00	Seed Drill								
Kawardha	Farm Mechanization	Paddy	Kharif- 2016	Seed cum fertilizer Drill	5.00	Seed Drill								
Kawardha	Mushroom Production	Mushroom	Kharif- Rabi & Zaid 15-16	Mushroom cultivation	-	Pleurotus florida								

Kawardha	Livestock production and management	Cow	Kharif-Rabi 15-16	Deworming Schedule of broad spectrum antihelminthic drugs.	20	Use of fenbendazole @3.0gm per animal at three month interval									
Kawardha	Livestock production and management	Cow	Kharif-Rabi 15-16	Application of herbal oil	20	Use of Neem and Karanj oil in 1:1 ratio every week with regular grooming									
Kawardha	Production & Management	fish cum duck culture	Kharif-Rabi 15-16	Integrated fish cum duck culture	0.5	<ol style="list-style-type: none"> 1. Stocking of 10,000 fingerling /ha pond (Catla, Rohu, Mrigal) @4:3:3 2. Khakhi Campbell duck breed used for fish cum duck culture @ 200 -250 ducks /ha 									

Kawardha	Fish production & feed management	Low cost feed management in fish culture	Kharif-Rabi 15-16	Low cost feed management in fish culture	04	The feed is prepared from Til oil cake (30%), mustard oil cake (30%), rice bran (39%) and mineral mixture (1%).									
Kawardha	Diseases Management	Sugarcane	Rabi 2016-17	Agrochemical	5	Hot water Treatment at 50° for 30 minutes & Tebuconazole 50%									
Kawardha	Farm Mechanization	Chickpea	Rabi 2016-17	Seed cum fertilizer Drill	12	Seed Drill									
Kawardha	Farm Mechanization	wheat	Rabi 2016-17	Seed cum fertilizer Drill	5.00	Seed Drill									
Kawardha	Varietal Evaluation	Wheat	Rabi 2016-17	Variety	5.00	CG-1006									
Kawardha	Varietal Evaluation	Gram	Rabi 2016-17	Variety	5.00	JG-11									
Kawardha	Varietal Evaluation	Lathyrus	Rabi 2016-17	Variety	5.00	Mahateora									
Kawardha	Varietal Evaluation	Tomato	Rabi 2016-17	Variety		Arka rakshak									

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	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	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
		Field days	10	1000	
		Farmers Training	15	445	
		Media coverage	20	Mass	
		Training for extension functionaries	02	50	

3.5 Details of FLD on crop hybrids.

Sr.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

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme
OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management

LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RY	Rural Youth
IS	Extension Personnel

5. TRAINING PROGRAMMES

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

Table 5.1: 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 to be involved
Kawardha	FW	Group discussion		
Kawardha	RY	Group discussion		
Kawardha	IS	Group discussion		

Table 5.2. Details of Training programmes to be conducted by the KVKs.

Name of KVK	Category	Training Type	Thematic area	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	7	8	9	10	11	12	13	14	15	16
Kawardha	FW	OFC	HOV	Off-season vegetables production	1	1								
Kawardha	FW	OFC	HOV	Vegetable production technology	1	1								
Kawardha	FW	OFC	HOF	Micro irrigation systems of orchards tomato	1	1								

Name of KVK	Category	Training Type	Thematic area	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	7	8	9	10	11	12	13	14	15	16
Kawardha	FW	OFC	HOF	Training & pruning in fruit crops	1	1								
Kawardha	FW	OFC	HOF	Layout and management of orchard	1	1								
Kawardha	FW	ONC	HOF	Use of drips in orchard	1	1								
Kawardha	FW	ONC	HOF	Plant propagation techniques	1	1								
Kawardha	FW	ONC	HOF	Fruit preservation technique	1	1								
Kawardha	FW	OFC	HOP	Production and Management technology	1	1								
Kawardha	FW	OFC	HOT	Processing and value addition	1	1								
Kawardha	FW	ONC	CP	Weed Management	1	1								
Kawardha	FW	ONC	CP	Crop Diversification	1	1								
Kawardha	FW	ONC	CP	Water management	1	1								
Kawardha	FW	OFC	CP	Nursery Management	1	1								
Kawardha	FW	OFC	CP	Seed Production	1	1								
Kawardha	FW	OFC	CP	Integrated crop management	1	1								
Kawardha	FW	OFC	CP	Production of organic inputs	1	1								
Kawardha	FW	OFC	CP	Cropping Systems	1	1								
Kawardha	FW	OFC	SFM	Soil fertility management	1	1								
Kawardha	FW	OFC	SFM	Micro nutrient deficiency in crops	1	1								
Kawardha	FW	ONC	SFM	Nutrient Use Efficiency	1	1								
Kawardha	FW	ONC	SFM	Soil and Water Testing	1	1								
Kawardha	FW	OFC	SFM	Soil Sampling Technique	1	1								
Kawardha	FW	OFC	SFM	Fertilizer Calculation	1	1								
Kawardha	FW	OFC	PLP	Integrated Pest Management	1	1								
Kawardha	FW	OFC	PLP	Integrated Disease Management	1	1								
Kawardha	FW	ONC	PLP	Insect Pest of Oilseed Crops	1	1								

Name of KVK	Category	Training Type	Thematic area	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	7	8	9	10	11	12	13	14	15	16
Kawardha	FW	ONC	PLP	Diseases of Plantation crop	1	1								
Kawardha	FW	OFC	PLP	Diseases of Vegetable crop	1	1								
Kawardha	FW	OFC	PLP	Disease and Insect of Pulse crop	1	1								
Kawardha	FW	OFC	FIS	Integrated fish farming	1	1								
Kawardha	FW	OFC	FIS	Carp breeding and hatchery management	1	1								
Kawardha	FW	OFC	FIS	Carp fry and fingerling rearing	1	1								
Kawardha	FW	ONC	FIS	Composite fish culture	1	1								
Kawardha	FW	ONC	FIS	Hatchery management and culture of freshwater prawn	1	1								
Kawardha	FW	ONC	FIS	Fish diseases	1	1								
Kawardha	FW	ONC	FIS	Nursery rearing of Fish	1	1								
Kawardha	FW	OFC	PIS	Bio-fertilizer production	1	1								
Kawardha	FW	OFC	PIS	Vermi-compost production	1	1								
Kawardha	FW	OFC	PIS	Organic manures production	1	1								
Kawardha	FW	OFC	AEG	Uses Seed drill introduction	1	1								
Kawardha	FW	OFC	AEG	Uses Zero seed drill	1	1								
Kawardha	FW	OFC	AEG	Uses Power tiller	1	1								
Kawardha	FW	OFC	AEG	Uses Power reaper	1	1								
Kawardha	FW	OFC	AEG	Uses Bullock operator implement	1	1								
Kawardha	FW	OFC	AEG	Uses of Raised Bed planter	1	1								
Kawardha	FW	OFC	AEG	Uses of Raised Bed planter	1	1								
Kawardha	FW	OFC	LPM	Fodder production and feeding management	1	1								
Kawardha	FW	ONC	LPM	Breeding management	1	1								
Kawardha	FW	ONC	LPM	Care and management of calf	1	1								
Kawardha	FW	ONC	LPM	Care and Buffalo management of cow and	1	1								

Name of KVK	Category	Training Type	Thematic area	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	7	8	9	10	11	12	13	14	15	16
Kawardha	FW	OFC	LPM	Vaccination and control measure	1	1								
Kawardha	FW	OFC	LPM	Control of Ecto and Endo Parasites	1	1								
Kawardha	FW	ONC	PLP	Insect Pest of Sugarcane	1	1								
Kawardha	FW	OFC	PLP	Diseases of Sugarcane	1	1								
Kawardha	RY	ONC	RY	Oyester Mushroom Production Technology	1	1								
Kawardha	RY	ONC	RY	Production Technology of <i>Trichodarma</i>	1	1								
Kawardha	RY	ONC	RY	Post harvest technology of Fruit Crops	1	1								
Kawardha	RY	ONC	RY	Nursery management technique of Vegetables	1	1								
Kawardha	RY	ONC	RY	Post harvest technology of Vegetables	1	1								
Kawardha	RY	ONC	RY	Production Technology of <i>Trichodarma</i>	1	1								

Table 5.3. Details of Vocational training programmes for Rural Youth to be conducted by the KVKs

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Kawardha	Oyester Mushroom Production Technology	Mushroom	Income Generation	6						
Kawardha	Production Technology of <i>Trichodarma</i>	<i>Trichodarma</i>	Disease Management	15						
Kawardha	Nursery management technique of Vegetables	Vegetables	Production and Management	5						
Kawardha	Post harvest technology of Vegetables and Fruits	Vegetable /Fruits	Income Generation	5						
Kawardha	Operation and maintenance of Important farm Implements	Implements	Agril. Engineering	5						

Kawardha	Crop production (SRI)	Paddy	Crop production	6						
Kawardha	Oyester Mushroom Production Technology	Mushroom	Income Generation	6						
Kawardha	Production Technology of <i>Trichodarma</i>	<i>Trichodarma</i>	Disease Management	5						

Table 5.4. Details of training programme to be 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	Mushroom production technology				

Table 5.5. Sponsored Training Programmes

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	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		
Kawardha	Off-season vegetables production	HOV	-	FW	1	1										
Kawardha	Vegetable production technology	HOV	-	FW	1	1										
Kawardha	Micro irrigation systems of orchards tomato	HOF	-	FW	1	1										
Kawardha	Training & pruning in fruit crops	HOF	-	FW	1	1										
Kawardha	Layout and management of orchard	HOF	-	FW	1	1										
Kawardha	Use of drips in orchard	HOF	-	FW	1	1										
Kawardha	Plant propagation techniques	HOF	-	FW	1	1										
Kawardha	Processing and value addition	HOT	-	FW	1	1										
Kawardha	Nursery Management	CP	--	FW	1	1										
Kawardha	Seed Production	CP	-	FW	1	1										
Kawardha	Integrated crop management	CP	-	FW	1	1										
Kawardha	Production of organic inputs	CP	-	FW	1	1										

Kawardha	Care and Buffalo management of cow and	LPM	-	FW	1	1											
Kawardha	Vaccination and control measure	LPM	-	FW	1	1											
Kawardha	Control of Ecto and Endo Parasites	LPM	-	FW	1	1											
Kawardha	Integrated Pest Management	PLP	-	FW	1	1											
Kawardha	Production of bio control agents and bio pesticides	PLP	-	FW	1	1											
Kawardha	Insect Pest of Sugarcane	PLP	-	FW	1	1											
Kawardha	Diseases of Sugarcane	PLP	-	FW	1	1											
Kawardha	Diseases of Vegetable crop	PLP	-	FW	1	1											
Kawardha	Disease and Insect of Pulse crop	PLP	-	FW	1	1											
Kawardha	Integrated fish farming	FIS	-	FW	1	1											
Kawardha	Carp breeding and hatchery management	FIS	-	FW	1	1											
Kawardha	Fish diseases	FIS	-	FW	1	1											
Kawardha	Nursery rearing of Fish	FIS	-	FW	1	1											
Kawardha	Uses Seed drill introduction	AEG	-	FW	1	1											

Table 5.6 Training Programmes for Panchayatiraj Institutions Office-bearers & members

Name of KVK	Title	Thematic area (as given in abbreviation table)	Sub-theme (as per column no 5 of Table T1)	Client (FW/RY/IS)	Duration (days)	No. of courses	No. of Participants						Sponsoring Agency	Fund received for training (Rs.)
							Others		SC		ST			
							M	F	M	F	M	F		
Kawardha														
Kawardha														

Table 5.7 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)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	
Kawardha									
Kawardha									

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Kawardha	Field Day	08										
Kawardha	Kisan Mela	02										
Kawardha	Kisan Ghosthi	10										
Kawardha	Exhibition	02										
Kawardha	Film Show	08										
Kawardha	Method Demonstrations	15										
Kawardha	Farmers Seminar	08										
Kawardha	Workshop	12										
Kawardha	Group meetings	25										
Kawardha	Lectures delivered as resource persons	50										
Kawardha	Newspaper coverage	60										
Kawardha	Radio talks	00										
Kawardha	TV talks	00										
Kawardha	Popular Articles	15										
Kawardha	Extension Literature	10										
Kawardha	Farm Advisory Services	00										
Kawardha	Scientific visit to farmers field	50										
Kawardha	Farmers Visit to KVK	1000										
Kawardha	Diagnostic Visits	50										
Kawardha	Exposure Visits	12										
Kawardha	Ex-trainees Sammelan	05										
Kawardha	Soil Health Camp	02										
Kawardha	Animal Health Camp	01										
Kawardha	Agri Mobile Clinic	00										
Kawardha	Soil Test Campaigns	05										
Kawardha	Farm Science Club conveners meet	00										
Kawardha	Self Help Group conveners meetings	05										

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Kawardha	Cereals	Wheat	Ratan					
Kawardha	Pulses	Chickpea	JG-226					
Kawardha		Moong	Hum-16					
Kawardha								
Kawardha	Oilseed	Soybean	JS-97-52					
Kawardha								
Kawardha								
Kawardha								
Kawardha								
Kawardha								
Kawardha								
Kawardha								

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Kawardha	Sugar crop	Sugarcane									
Kawardha											

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Kawardha	BIOAGENTS	1.0			
Kawardha	BIOFERTILIZERS	1.0			
Kawardha	BIO PESTICIDES				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
	Cattle						
	Buffalo						
	Sheep and Goat						
	Poultry						
	Fisheries						
	Others (Specify)						

8. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : YES/NO, If yes, then

Year of establishment : -

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
	Soil Sample	1000				
	Water Sample					

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

Name of KVK	Date	Title of the training course	Client (PF/RV/EF)	No. of Courses	No. of Participants including SC/ST			No. of SC/ST Participants		
					Male	Female	Total	Male	Female	Total

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
Kawardha	50	Farmers	Ext. Pers.	Crop cultivation, IPM, IDM, weather information and others

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Kawardha			

12. Literature to be Last Developed/Published (with full title, author & reference)

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Kawardha				

12.2 Details of Electronic Media to be Produced

KVK Name	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
Kawardha	VCD		

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper		Type	Title	Author's name	Number of copies
Technical bulletins	10				
Technical reports	02				
Popular article	15				
News paper coverage	60				
Year Planner	500				
Others (pl. specify)	-				

13. Convergence with various agricultural schemes (Central & State sponsored)

KVK Name	Name of scheme	Name of Agency (Central/state)	Funds received (Rs.)	Activities organized	Operational Area	Remarks
Kawardha	ATMA					
Kawardha	MNREGA					
Kawardha	NHM					
Kawardha	RKVY					
Kawardha	DRDA					
Kawardha	Zila Panchyat					
Kawardha	Seed Village					
Kawardha	NAIP					
Kawardha	Climate Change					
Kawardha	Others (Plz. Specify)					

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds):No

KVK Name	Months	Year	Title of the training course	Duration of training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)

15. Utilization of Staff Quarters.No

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

16. Details of KVK Agro-technological Park –yes

a) Have you prepared layout plan, where sent?

Sr .No.	Name of KVK	Technology park proposal developed(yes/no)	If yes, where sent?(ZPD/DES/any other,pl. sp.)
01	KVK, Kawardha	Yes	DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Kawardha	Crop Cafeteria	
Kawardha	Technology Desk	
Kawardha	Visitors Gallery	
Kawardha	Technology Exhibition	
Kawardha	Technology Gate-Valve	

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
01	Integrated crop management	05

17. 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 farmer with Mobile No.
1	Kawardha			
2	Kawardha			
3	Kawardha			
4	Kawardha			
5	Kawardha			
6	Kawardha			
7	Kawardha			
8	Kawardha			
9	Kawardha			
10	Kawardha			

18. KVK interaction with progressive farmers- each KVK had already sent a list of 100 progressive farmers to the ZPD, Zone VII, Jabalpur.

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1		

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Kawardha	4	4	20	30

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

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

Sr. No.	Name of crop under Technology demonstration	Area under the programme	No. of Extension Activities	Remarks / Lessons learnt

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Rajnandgaon	Training, Field visit	-
2	Bhatapara		

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Kawardha			

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors

24. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals

25. E-CONNECTIVITY (ERNET Lab)

Name of KVK	Number and Date of Lecture delivered from KVK Hub				No of lectors organized by KVK	Brief achievements	Remarks
	Date	No of Staff attended	No of call received from Hub	No of Call mate to Hub by KVK			

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Kawardha	Seed health week	1		
Kawardha	Parthenium awareness week	1		

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
01	Kawrdha	Paddy		
		Soybean		

Major area coverage under alternate crops/varieties

Sl. No.	Name of KVK	Crops	Area (ha)	Number of beneficiaries
1	Kawardha	Oilseeds		
2	Kawardha	Pulses		
3	Kawardha	Cereals		
4	Kawardha	Vegetable crops		
5	Kawardha	Tuber crops		
6	Kawardha			
7	Kawardha			
8	Kawardha			
9	Kawardha			
10	Kawardha			
		Total		

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No.of participants
1	Kawardha	Dairy Management		
2	Kawardha	Disease management		
3	Kawardha	Feed and fodder technology		
4	Kawardha	Poultry management		

Animal health camps to be organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Kawardha	01		

Seed distribution in drought hit states

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

Seedlings and Saplings to be distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
Seedlings				

Bio-control Agents

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

Bio-Fertilizer

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

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and of resource conservation technologies introduced	Area (ha)	Number of farmers

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	07		15		02		01		02		02	

28. Proposal of NICRA

1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted

2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

7. Feedback of Farmers for future improvement, if any.

8. Good Action Photographs after work progress (step-wise)

29. Proposed works under NAIP (in NAIP monitoring format)

30. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Kawardha	32017886366			

31. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Kawardha				

32. Case study / Success Story to be developed –

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	Kawardha	02	

Two best only in the following format: Name of the KVK, **TITLE**, **Introduction**, KVK intervention, Output, Outcome, Impact

33. Well labeled Photographs for each activity of the KVK (Soft copies as well as hard copy- specially for all OFT along with the problem)