

**FORMAT  
FOR  
ANNUAL ACTION PLAN OF THE  
KVKs IN ZONE- VII**

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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 2017-18**

1) Kindly fill up only targeted/ proposed information for Annual Action Plan-from 1<sup>st</sup> April, 2017 to 31<sup>st</sup> March 2018 in the table no.1,(1.1,1.2,1.3,1.4,1.5), 2.1, 3.2, 3.4, 3.5, 4.0, 5.1, 5.2, 5.3, 5.4, 5.5, 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. 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 2017 to March, 2018

### 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	14	60			
	FLDs – Oilseeds (activity in ha)	02	25			
	FLDs – Pulses (activity in ha)	02	25			
	FLDs – Cotton (activity in ha)					
	FLDs – Other than Oilseed and pulse crops(activity in ha)	5	60			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	05	60			
	Training-Farmers and farm women	45	2250			
	Training-Rural youths	06	180			
	Training- Extension functionaries	01				
	Extension Activities	283	Mass			
	Seed Production (Number of activity as seeds in quintal)	300				
	Planting material ((Number of activity as quantity of planting material in quintal)	500				
	Seedling Production (Number of activity as number of seedlings in numbers)	450				
	Sapling Production (Number of activity as number of sapling in numbers)	450				
	Other Bio- products (No. of quantity)	2.0	100			
	Live stock products	01	25			
	Activities of Soil and Water Testing Laboratory	00				
	Rainwater Harvesting System	00				
	Kisan Mobile Advisory (KVK-KMA)	48	45000			
	SAC Meeting (Date & no. of core/ official members)	01				
	Literature to be Developed/Published	12	Mass			
	Convergence programmes / Sponsored programmes	04				
	Utilization of Farmers Hostel	00				
	Utilization of Staff Quarters	00				

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	
	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	00				
	Case study / Success Story to be developed	08				
	KVK Progressive Farmers interaction	25				
	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	25				
	Status of KVK Website	01	Mass			
	Status of RTI	00				
	E-connectivity	00				
	Details of Technology Week Celebrations	04	Mass			
	Interventions on Drought Mitigation	06	Mass			
	Proposal of NAIP	00				
	Proposal of NICRA	00				
	Well labeled photographs	50				
	Other Activities	08	Mass			

# 1. GENERAL INFORMATION

## 1.1. Staff Position (as on date)

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	3	02	2	6	6	16	11

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	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		Others
Kawardha	Subject Matter Specialist2	Er. T.S.Sonwani	F.M.P	M. Tech.	F.M.P	15600-39100 + 5400 AGP		10.09.12		SC
Kawardha	Subject Matter Specialist3	Sh. B.S. Parihar	Agronomy	M.Sc.	Agronomy	15600-39100 + 5400 AGP		18.09.14		Others
Kawardha	Subject Matter Specialist4	Miss Manisha Khaparde	Fisheries	M.Sc.	Fisheries	15600-39100 + 5400 AGP		01.10.14		SC
Kawardha	Programme Assistant	Smt. Swati Sharma	Entomology	M.Sc.	Entomology	9300-34200+4200 AGP		05.11.14		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		OBC
Kawardha	Accountant / superintendent	Shri A. K. Khare		M. A.		5200 – 20200 + 2800 AGP		28.07.10		SC
Kawardha	Stenographer	Vacant								
Kawardha	Driver	Shri Khileshwar Sahu		Higher Secondary		5200-20200+1900AGP		01.04.13		OBC
Kawardha	Driver	Shri Haran Ram Kaushik		Primary		5200-20200 +1900AGP		01.04.13		OBC
Kawardha	Supporting staff	Shri. Salik Ram Lodhi		Middle		4750 – 7400 + 1300 AGP		16.09.08		OBC
Kawardha	Supporting staff	Shri Shiv Kumar Lodhi		Primary		4750 – 7400 + 1300 AGP		16.09.08		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	539660	61.95%	62466	154040	1.8 ha

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 1.4.2017 to 31.3.2018 (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	Ramhepur Khurd	2016-17	Kawardha	25	1000	200
KAWARDHA	Surajpura	2016-17	Kawardha	22	750	200

### 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	
Kawardha	Non-availability of quality seeds of suitable HYVs	Discussion with farmers	
Kawardha	Lack of suitable agricultural implements for seeding of crops	Discussion with farmers, field visit	
Kawardha	Lack of proper agricultural infrastructures including irrigation	Discussion with farmers	
Kawardha	Non-awareness regarding effective control of various pests and diseases (insects, diseases and weeds)	Discussion with farmers and Field visit	
Kawardha	High incidence of pests and diseases, Improper use of fertilizer and chemicals	Discussion with farmers, field visit	
Kawardha	Less knowledge about post harvest handling of agriculture produce	Discussion with farmers, field visit	
Kawardha	Lack of awareness of improved agricultural technologies	Discussion with farmers, field visit	

## 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 2017	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 / Herbicides	Rainfed lowland (Dorsa)		04	Assessment of crop management practices in line sown direct seeded rice				
Kawardha	Kharif 2017	Heavy Yield Loss due to Weed Infestation, Labour Problem	Assessment	Weed Management	Soybean/ herbicides	Rainfed upland (Kanhar)		04	Assessment of chemical weed management in Soybean				
Kawardha	Kharif 2017	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 2017	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- 2017	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 2017	Economic loss for small farmers in	Assessment	Farm Mechanizati		Rainfed upland		05	Assessment of weeder for Inter				

		manual weeding in soybean crop		on		(Kanhar)			culture operation in Soybean Crop				
Kawardha	Kharif-2017	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-2017	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-2017, Rabi 2017-18	Too much mortality of carp fry during rearing management due to aquatic insects and predatory and weed fishes	Assessment	Pest Control	Fishes	-		04	Assessment of pre stocking management of carp fry to see its servility				
Kawardha	Kharif-2017, Rabi 2017-18	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 2017-18	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	Rabi2017-18	Heavy infestation due to whip smut in sugarcane	Assessment	Integrated Diseases Management	Sugarcane	Partially irrigated upland (Kanhar)		04	Assessment of chemical set treatment for control of smut (Whip) diseases in sugarcane				
Kawardha	Rabi 2017-18	Kharif pigeon pea takes long duration	Assessment	Integrated Crop Management	Pigeon pea	Irrigated upland (Kanhar)		04	Assessment of Rabi Pigeon pea				
Kawardha	Rabi 2017-18	Paddy straw and sugarcane trashes not properly decompose in traditional method	Assessment	Improved practice	Use of Trichoderma for decomposing of agriculture			10	Introduction of improved technique of decomposing through Trichoderma				

					waste material								
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### 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 (T1)	RP (T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)	FP (T1)	RP(T2)	RP (T3)	FP (T1)	RP (T2)	RP (T3)

### 3. Frontline Demonstrations

#### 3.1. Follow-up for results of FLDs implemented during previous years (up to 2016-17)

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	Indira Rajeshwari	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	280	2250	2837
Kawardha	Soyabean	Varietal Evaluation	JS-97-52	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	20	830	1500
Kawardha	Indian Bean	Varietal Evaluation	Chhattisgarh Sem-1	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	20	1200	40
Kawardha	Soyabean	Farm Mechanization	Seed cum fertilizer Drill	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	55	870	1200
Kawardha	Paddy	Farm Mechanization	Seed cum fertilizer Drill	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	65	250	120
Kawardha	Paddy	Integrated Pest Management	1. Transplanting of one row of Karigilas variety after every nine rows of cultivated Paddy variety. 2. Spray of newer molecule chlorantraniliprole 18.5% SC (Coragen) at pre-panicle stage @150ml/ha	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	5	25	-
Kawardha	Mushroom	Mushroom Production	Pleurotus florida	Demonstration plots, Discussion with other farmers, Distribution of literatures.	400	620	2850
Kawardha	cow	Livestock production and management	Use of fenbendazole @3.0gm per animal at three month	Visit of other farmers in the Demonstration plots, Discussion with	25	130	110

			interval	other farmers, Distribution of literatures.			
Kawardha	cow	Livestock production and management	Use of Neem and Karanj oil in 1:1 ratio every week with regular grooming	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	30	70	280
Kawardha	Fish	Increases production and decreases cost of cultivation	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	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	5	15	18
Kawardha	Fish	Fish production & feed management	The feed is prepared from Til oil cake (30%), mustard oil cake (30%), rice bran (39%) and mineral mixture (1%).	Visit of other farmers in the Demonstration plots	8	30	60
Kawardha	Sugarcane	Diseases Management	Hot water Treatment at 50° for 30 minutes & Tebuconazole 50%	Visit of other farmers in the Demonstration plots	9	25	53
Kawardha	Chickpea	Farm Mechanization	Seed cum fertilizer Drill	Visit of other farmers in the Demonstration plots	10	27	55
Kawardha	Wheat	Farm Mechanization	Seed cum fertilizer Drill	Visit of other farmers in the Demonstration plots Discussion with other farmers, Distribution of literatures.	14	25	58
Kawardha	Chickpea	Integrated Pest Management	Use of IPM package (optimum seed rate-use of bird perchers, intercropping of coriander (10:1), spraying of profenophos 50EC @ 1 lit/ha)	Visit of other farmers in the Demonstration plots Discussion with other farmers, Distribution of literatures.	30	60	45
Kawardha	Wheat	Varietal Evaluation	CG-3	Visit of other farmers in the Demonstration plots Discussion with other farmers, Distribution of literatures	20	29	40
Kawardha	Chickpea	Varietal Evaluation	JG-130	Visit of other farmers in the Demonstration plots Discussion with other farmers, Distribution of literatures	25	15	35
Kawardha	Tomato	Varietal Evaluation	Arka Rakshak	Visit of other farmers in the Demonstration plots Discussion with other farmers, Distribution of literatures	10	20	25

### 3.2 Details of FLDs to be implemented during 2017-18

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop- Area (ha) / Entrep- No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Kawardha	2017	Khariif	Varietal Evaluation	Variety	Paddy	Indira Maheshwari	5.00								
Kawardha	2017	Khariif	Varietal Evaluation	Variety	Soyabean	JS-97-52	5.00								
Kawardha	2017	Khariif	Farm Mechanization	Seed cum fertilizer Drill	Soyabean	Seed cum fertilizer Drill	5.00								
Kawardha	2017	Khariif	Farm Mechanization	Seed cum fertilizer Drill	Paddy	Seed cum fertilizer Drill	5.00								
Kawardha	2017-18	Khariif	Integrated Pest Management	IPM	Paddy	3. Transplanting of one row of Karigilas variety after every nine rows of cultivated Paddy variety. 4. Spray of newer molecule chlorantraniliprole 18.5% SC (Coragen) at pre-panicle stage @150ml/ha	5.00								
Kawardha	2017-18	Khariif Rabi and Zaid	Mushroom Production	Mushroom cultivation	Mushroom	Pleurotus florida	-								
Kawardha	2016-17	Khariif and Rabi	Increases production and decreases cost of cultivation	Integrated fish cum duck culture	Fish	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	1.00								
Kawardha	2017-18	Khariif and Rabi	Fish production & feed management	Low cost feed management in fish culture	Fish	The feed is prepared from Til oil cake (30%), mustard oil cake (30%), rice bran (39%) and mineral mixture (1%).	1.00								

Kawardha	2017-18	Rabi	Diseases Management	Agrochemical	Sugarcane	Hot water Treatment at 50° for 30 minutes & Tebuconazole 50%	5.00									
Kawardha	2017-18	Rabi	Farm Mechanization	Seed cum fertilizer Drill	Chickpea	Seed cum fertilizer Drill	5.00									
Kawardha	2017-18	Rabi	Farm Mechanization	Seed cum fertilizer Drill	Wheat	Seed cum fertilizer Drill	5.00									
Kawardha	2017-18	Rabi	Integrated Pest Management	IPM	Chickpea	Use of IPM package (optimum seed rate-use of bird perchers, intercropping of coriander (10:1), spraying of profenophos 50EC @ 1 lit/ha)	5.00									
Kawardha	2017-18	Rabi	Varietal Evaluation	Variety	Wheat	CG-2	5.00									
Kawardha	2017-18	Rabi	Varietal Evaluation	Variety	Chickpea	JG-14	5.00									

### 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
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	Field days	10	1000	
	Farmers Training	12	360	
	Media coverage	15	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

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### 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
<b>Thematic Areas for Training</b>	
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								
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	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								

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	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								
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 cum fertilizer drill introduction	1	1								
Kawardha	FW	OFC	AEG	Uses seed cum fertilizer drill	1	1								
Kawardha	FW	OFC	AEG	Uses multi crop planter	1	1								
Kawardha	FW	OFC	AEG	Introduction of Power reaper	1	1								
Kawardha	FW	OFC	AEG	Introduction of Bullock operator implement	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	AEG	Uses of Raised Bed planter	1	1								
Kawardha	FW	OFC	AEG	Uses of Raised Bed planter	1	1								
Kawardha	FW	ONC	PLP	Insect Pest of Sugarcane	1	1								
Kawardha	FW	ONC	AEG	Introduction of Broad bed furrow method	1	1								
Kawardha	FW	OFC	PLP	Diseases of Sugarcane	1	1								
Kawardha	RY	ONC	RY	Oyster Mushroom Production Technology	1	1								
Kawardha	RY	ONC	RY	Production Technology of <i>Trichodarma</i>	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	Oyster Mushroom Production Technology	Mushroom	Income Generation	5						
Kawardha	Production Technology of <i>Trichodarma</i>	<i>Trichodarma</i>	Disease Management	13						
Kawardha	Operation and maintenance of Important farm Implements	Implements	Agril. Engineering	5						
Kawardha	Crop production (SRI)	Paddy	Crop production	6						
Kawardha	Oyster Mushroom Production Technology	Mushroom	Income Generation	5						
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 elsewhere
		Type of units	Number of units	Number of persons employed	
Kawardha	Fish Production Management				

**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	Tractor Care and Maintenance	AEG	-	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	Introduction of Threshing Machine	AEG	-	FW	1	1										
Kawardha	Introduction of Plant Protection Equipments	AEG	-	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		

**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	

## 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	10										
Kawardha	Kisan Mela	02										
Kawardha	Kisan Ghosthi	10										
Kawardha	Exhibition	01										
Kawardha	Film Show	05										
Kawardha	Method Demonstrations	12										
Kawardha	Farmers Seminar	06										
Kawardha	Workshop	12										
Kawardha	Group meetings	20										
Kawardha	Lectures delivered as resource persons	40										
Kawardha	Newspaper coverage	45										
Kawardha	Radio talks	00										
Kawardha	TV talks	00										
Kawardha	Popular Articles	08										
Kawardha	Extension Literature	6										
Kawardha	Farm Advisory Services	00										
Kawardha	Scientific visit to farmers field	40										
Kawardha	Farmers Visit to KVK	1000										
Kawardha	Diagnostic Visits	45										
Kawardha	Exposure Visits	07										
Kawardha	Ex-trainees Sammelan	06										
Kawardha	Soil Health Camp	01										
Kawardha	Animal Health Camp	00										
Kawardha	Agri Mobile Clinic	00										
Kawardha	Soil Test Campaigns	03										
Kawardha	Farm Science Club conveners meet	00										
Kawardha	Self Help Group conveners meetings	04										



## 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	Pulses	Chickpea	JG-130					
Kawardha		Pigeon pea	Rajivlochan					
Kawardha	Oilseed	Soybean	JS-9752					

### 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									

### 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	2.0			
Kawardha	BIOFERTILIZERS	2.0			
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	
Kawardha	Sheep and Goat						
Kawardha	Fisheries						

Kawardha	Others (Specify)					
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## 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	1500				
	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	48	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	5				
Technical reports	01				
Popular article	7				
News paper coverage	50				
<b>Year Planner</b>	400				
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):

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.

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 –**

**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
1	Integrated crop management	03

**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.

<b>Sr. No.</b>	<b>Date and month of interaction programme with progressive farmers</b>	<b>No. of progressive farmers to be participated</b>

**19. Outreach of KVK**

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Kawardha	4	4	15	20

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.**

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

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### 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		
Kawardha	Swaksh bharat Abhiyan	1		
Kawardha	Jai Jawan Jai kisan 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	Kawardha	Paddy		
02	Kawardha	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	Fruits		
		<b>Total</b>		



**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		
4	Kawardha	Fish and duck 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
<b>Seedlings</b>				

**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

**Vermis Produced**

Name of KVK	Vermis 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	05		10		02		01		01		-	

## 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	08	

**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)**