

# **ANNUAL PROGRESS REPORT**

**April 2014 to March 2015**

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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 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. Gray 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:- Paddy (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 Horse gram, 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 Ladies finger).  
Fruits :- Mango, Guava, Custard apple, Pear etc.  
Spices :- Black Peeper, Turmeric, Ginger, Cardamom etc.**

## REPORTING PERIOD – April 2014 to March 2015

### Summary of KVK Annual Report (Quantifiable Achievement) for the year 2014-15

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
<b>1</b>	<b>On Farm Testing</b>			
	Proposed OFT	17	68	
	On Going OFT	00	07	
	Technologies assessed (Completed OFT)	15	74	
	Technologies refined	00	00	
	On farm trials conducted	15	74	
<b>2</b>	<b>Frontline demonstrations</b>	00	00	
	Proposed Frontline demonstrations	15	137	
	On Going Frontline demonstrations	00	00	
	FLDs conducted on crops	09	92	
	Area under crops (ha.)	36	92	
	FLD on farm implement and tools	02	24	
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	02	12	
	FLD on Fisheries - Finger lings	01	04	
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	01	05	
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	00	00	
<b>3</b>	<b>Training programmes</b>	<b>No. of Course</b>	<b>Duration (days)</b>	<b>Participants</b>
	Farmers	15	15	450
	Farm women	19	19	538
	Rural youth	8	16	253
	Extension personnel/ In service	00	00	00
	Vocational trainings	3	3	121
	Sponsored Training	26	26	790
	<b>Total</b>	71	79	2152
		<b>No. of programmes</b>	<b>Participants</b>	
<b>4</b>	<b>Extension Programmes</b>	265	6387	
<b>5</b>	<b>Production of technology inputs etc</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Seed (qt.)	159.21	325	
	Planting material produced (nos.)	00	00	
<b>6</b>	<b>Livestock</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Livestock strains ( Nos)	04	00	
	Milk Yield - Cow, Buffelo etc. (in liter)	1740.5	10	
	Fish (Kg.)	00	00	
	Fingerlings (nos.)	00	00	
	Poultry-Eggs (nos.)	00	00	
	Ducks (nos.)	00	00	
	Chicks etc. (nos.)	00	00	

	Trichoderma (kg.)	00	00
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)	00	00
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)	00	00
<b>8</b>	<b>Any other significant achievement in the Zone</b>	<b>Nos.</b>	<b>Participants/ beneficiaries</b>
	Award (Best KVK award and scientist and farmer's award)	06	06
	Publications ( Res. Paper/ pop. Art./Bulletin,etc.)	05	Mass
	KVK News letter	04	4000
	SAC Meetings conducted	01	36
	Soil sample tested	00	00
	Water sample tested	00	00
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	00	00
	KVK-KMA (Message and beneficiaries)	58	24308
	Convergence programmes	00	00
	Sponsored programmes	01	124
	KVK Progressive Farmers interaction	10	100
	No. of Technology Week Celebrations	01	150
	Attended HRD activities organized by ZPD	00	00
	Attended HRD activities organized by DES	00	00
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. )	00	00
<b>9</b>	Current status of Revolving Funds (Amt. in Rs.)	1056466.00	
<b>10</b>		<b>No. of blocks</b>	<b>No. of villages</b>
	Outreach of KVK in the District	04	205
<b>11</b>		<b>ICAR</b>	<b>SAU</b> <b>Others</b>
	No. of important visitors to KVK (nos.)	04	11      04
<b>12</b>		<b>Working (Yes/No)</b>	<b>No. of Update</b>
	Status of KVK Website	Yes	06
<b>13</b>		<b>Application received</b>	<b>Application disposed</b>
	Status of RTI (nos.)	No	No
<b>14</b>		<b>Query received</b>	<b>Query dissolved</b>
	Citizen Charter (nos.)	No	No
<b>15</b>		<b>Working (Yes/No)</b>	<b>No. of programme viewed</b>
	E-connectivity	No	No
<b>16</b>		<b>Filled</b>	<b>Vacant</b>
	Staff Position	13	03
<b>17</b>	Workshop/ Seminar/ Conference attended by staff of KVK ( nos)	27	
<b>18</b>	Publication received from ICAR /other organization (nos.)	42	
<b>19</b>		<b>Particulars</b>	<b>Organization</b>
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	No	No

# GENERAL INFORMATION

## 1.1. Staff Position (as on date)

### Summary of Staff position in KVKs on March, 2015

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	1	6	5	3	2	6	5	16	13

Name of KVK	Sanction post	Name of the incumbent	Discipline	Higist degree	Subject of specilization	Pay scale	Present pay	Date of joing	Per./Temp.	Category
Kawardha	Programme Coordinator	Vacant				37400-67000+8000 Rs. 9000				
Kawardha	Subject Matter Specialist	Dr. B.P.Tripathi (I/c PC)	Plant Pathology	Ph. D.	Plant Pathology	15600-39100 + 5400 AGP	21000	06.09.12	Temporary (On Probation)	Others
Kawardha	Subject Matter Specialist	Dr. Nutan Ramteke	L.P.M	M. V. Sc.	L.P.M	15600-39100 + 5400 AGP	21000	06.09.12	Temporary (On Probation)	SC
Kawardha	Subject Matter Specialist	Er. T.S.Sonwani	F.M.P	M. Tech.	F.M.P	15600-39100 + 5400 AGP	21000	10.09.12	Temporary (On Probation)	SC
Kawardha	Subject Matter Specialist	Smt. Pramila Kant	Horticulture	M. Sc.	Horticulture	15600-39100 + 5400 AGP	21000	12.09.12	Temporary (On Probation)	SC
Kawardha	Subject Matter Specialist	Sh. B.S. Parihar	Agronomy	M.Sc.	Agronomy	15600-39100 + 5400 AGP	21000	18.09.14	Temporary (On Probation)	Others
Kawardha	Subject Matter Specialist	Miss Manisha Khaparde	Fisheries	M.Sc.	Fisheries	15600-39100 + 5400 AGP	21000	01.10.14		
Kawardha	Programme Assistant (Computer)	Mr. Yogesh Kumar Kaushik	Information Technology	BE (IT)	Information Technology	9300-34200+4200 AGP	13500	12.07.2013	Temporary (On Probation)	Others
Kawardha	Programme Assistant (Entomology)	Smt. Swati Sharma	Entomology	M.Sc.	Entomology	9300-34200+4200 AGP	13500	05.11.14	Temporary (On Probation)	Others

<b>Kawardha</b>	Accountant / superintendent	Shri A. K. Tiwari		M. A.		5200 – 20200 + 2800 AGP	14280	28.07.10	Temporary	Others
<b>Kawardha</b>	Stenographer	Vacant								
<b>Kawardha</b>	Driver	Shri Khileshwar Sahu		Higher Secondary		5200-20200 +1900AGP	7100	01.04.13	Temporary (On Probation)	OBC
<b>Kawardha</b>	Driver	Shri Haran Ram Kaushik		Primary		5200-20200 +1900AGP	7100	01.04.13	Temporary (On Probation)	OBC
<b>Kawardha</b>	Supporting staff	Shri. Salik Ram Lodhi		Middle		4750 – 7400 + 1300 AGP	6830	16.09.08	Temporary (On Probation)	OBC
<b>Kawardha</b>	Supporting staff	Shri Shiv Kumar Lodhi		Primary		4750 – 7400 + 1300 AGP	6830	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



<b>KVK Name</b>	<b>Agro-climatic zone</b>	<b>No . of Blocks</b>	<b>No. of Panchayats</b>	<b>Population</b>	<b>Literacy</b>	<b>SC and ST Population</b>	<b>No. of farmers</b>	<b>Average land holding</b>
Kawardha		04	371	539660	61.95%	62466	154040	1.8 ha

### 1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (Approved by competent Authority in meetings/workshops)

<b>KVK Name</b>	<b>Village Name</b>	<b>Year of adoption</b>	<b>Block Name</b>	<b>Distance from KVK</b>	<b>Population</b>	<b>Number of farmers (having land in the village)</b>
Kawardha	Chardongri	2013-14	Kawardha	12km	1200	175
Kawrdha	Kosmanda	2013-14	S.Lohara	45km	1000	125

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

<b>KVK Name</b>	<b>THRUST AREA</b>
Kawardha	Varietal replacement in various crops
Kawardha	Change in Paddy-chick pea/ soybean- chick pea cropping systems
Kawardha	Introduction of supercrop varieties resistant to red rot, root borer and shoot borer

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

#### 1.4. PROBLEM IDENTIFIED by KVK (Approved by competent Authority in meetings/workshop)

<b>KVK Name</b>	<b>Problem identified</b>	<b>Methods of problem identification</b>	<b>Location Name of Village &amp; Block</b>
Kawardha	Lack of awareness of improved agricultural technologies	Discussion with farmers, field visit	Samnapur/Bodla
Kawardha	Non-availability of quality seeds of suitable HYVs	Discussion with farmers	Sonversa/Kawardha
Kawardha	Lack of suitable agricultural implements for seeding of crops	Discussion with farmers, field visit	Babhani/Kawardha
Kawardha	Lack of proper agricultural infrastructures including irrigation	Discussion with farmers	Chharbhata/Kawardha
Kawardha	Non-awareness regarding effective control of various pests and diseases (insects, diseases and weeds)	Discussion with farmers and Field visit	Bagahara/Pandariya
Kawardha	High incidence of pests and diseases, Improper use of fertilizer and chemicals	Discussion with farmers, field visit	Tilaeebhat/Lohara



## 2. On Farm Testing

Note-

\* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

\*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 Paddy/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

### 2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment / Refinement)	Thematic Area	Crop/ enterprise	Farm ing Situations	No. of trials	Results (q/ha)		Net Returns (Rs./ha)		Recommendations
										FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	
Kawardha	2014	Kharif	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.	Evaluation of improvement in <i>Biasi</i> cultivation of rice through crop management	Assessment	Integrated crop management	Paddy / Herbecides	Rainfed upland	04	41.17	46.73	28068	38022	
Kawardha	2014	Kharif,	Heavy loss of crop due to stem borer infestation in rice	Assessment of IPM modules for stem borer in paddy	Assessment	Integrated Pest Management	Paddy /Agrochemical	Rainfed upland	04	48.28	52.21	37992	45794	
Kawardha	2014	Kharif,	Improper, untimely and defective method of Fungicides application	Assessment of IDM modules for False Smut disease in Paddy	Assessment	Integrated Disease Management	Paddy /Agrochemical	Rainfed upland	04	46.22	51.36	35508	42104	
Kawardha	2014	Kharif,	Heavy Yield Loss due to Weed Infestation, Labour Problem	Assessment of chemical weed management in Soybean	Assessment	Weed Management	Soybean/ herbicides	Rainfed upland	04	4.80	5.89	860	3548	

				disease in Paddy										
Kawardha	2014	Kharif,	Low yield due to disease and Insect	Assessment of new released variety of Chilli – Indira Chilli-1	Assessment	Varietal Evaluation	Indira Chilli-1		04	44	56	36000	49000	
Kawardha	2014& 2014-15	Kharif,  Rabi/	Heavy plant mortality of gram either due to collar rot or wilt complex when grown after soybean in irrigated conditions	Assessment of Soybean-based Cropping Systems Under Assured Irrigation	Assessment	Integrated crop management	Chick pea/onion		04	12.55	165	22500	85000	
Kawardha	2014	Kharif	Low yield Due to traditional method of sowing because broadcasting causes improper coverage of seed and fertilizer, Drainage or water logging	Assessment of raised bed planter for line sowing of soyabean	Assessment	Farm Machineries	Raised bed planter	Rainfed upland	04		4.69	5.79	883	3903
Kawardha	2014	Kharif	Too much mortality of carp fry during rearing management due to aquatic insects and predatory and weed fishes	Assessment of pre stocking management of carp fry to see its servility	Assessment	Pest Control	Fishes	-	04	25000	40000	5500	10630	
Kawardha	2014-15		Not available labours at the time and high cost for	Assessment of Self propelled	Assessment	Farm Machineries	Self propelled conveyer reaper							

Kawardha	2014-15	Rabi	High incidence of ecto parasites in dairy animals due to resistance of chemical acaricides	Wheat. Assessment on the effect of herbal oil (Neem and Karanj) to control ecto parasites in dairy animals	Assessment	Breed evaluation -	Cattle	-	04	0.7	0.9	15.2	22.4	
Kawardha	2014-15	Rabi	Low milk yield due to deficiency of essential mineral in feed	Assessment of methochelated minerals on milk production in dairy buffaloes	Assessment	Livestock production and management	Buffalo		04	8.50	9.25	140	170	
Kawardha	2014-15	Rabi	Low yield due to local variety	Assessment of New Verirty of Onion (Royal Selection )	Assessment	Varietal Evaluation	Onion- Royal selection		04	128	182	55400	98600	
Kawardha	2014-15	Rabi	Low yield due to Pod Borer	Assessment of IPM modules for Gram against Pod Borer	Assessment	Integrated Pest Management	Gram/Agrochemical		04	11.04	13.44	18820	25120	
Kawardha	2014-15	Rabi	Heavy plant mortality in Chickpea due to collar rot when grown after rice in irrigated conditions	Assessment of <i>Trichodarma viride</i> for control of Chickpea collar rot	Assessment	Integrated Diseases Management	Chickpea, Bioagent	Irrigated upland	04	11.71	13.44	20830	25120	

## 2.2 Economic Performance

KVK name	OFT Title	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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP(T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	Refined Practice, if any (T <sub>3</sub> )
Kawardha	Evolution of improvement in Biasi cultivation of Rice through crop management	Grain Yield (q/ha)	41.17	46.73	29570	27400	27400	57638	65422	62552	28068	38022	35152	1.95	2.38	2.28
Kawardha	Assessment of IPM modules for stem borer in paddy	Grain Yield (q/ha)	48.28	52.21	29600	27356	27400	67592	73150	72870	37992	45794	45570	2.28	2.67	2.65
Kawardha	Assessment of IDM modules for False Smut disease in Paddy	Grain Yield (q/ha)	46.22	51.36	29200	29800		64708	71904		35508	42104		2.22	2.41	
Kawardha	Assessment of chemical weed management in Soybean	Grain Yield (q/ha)	4.80	5.89	14500	15500	14732	15360	18848	18080	860	3548	3348	1.06	1.22	1.23
Kawardha	Assessment of IDM modules for Blast disease in Paddy	Grain Yield (q/ha)	43.36	50.63	29200	29900		60704	70882		31504	40982		2.08	2.37	
Kawardha	Assessment of new released variety of	Yield (q/ha)	44.00	56.00	35000	33000		66000	84000		36000	49000		1.88	2.54	

Kawardha	Assessment of Soybean-based Cropping Systems Under Assured Irrigation	Yield (q/ha)	12.55	165	15150	47000	15500	37650	115500	44170	22500	85000	28670	2.48	2.46	2.85
Kawardha	Assessment of raised bed planter for line sowing of soyabean	Yield (q/ha)	4.69	5.79	14125	14625	14625	15008	18528	16064	883	3903	1439	1.06	1.27	1.09
Kawardha	Assessment of pre stocking management of carp fry to see its servility	Yield (q/ha)	25000 (no.)	40000 (no.)	4500	5370		10000	16000		5500	10630		2.22	2.97	
Kawardha	Assessment of Self propelled Reaper For Harvesting of Wheat.	Field capacity (Ha/hr.)	0.004	0.287	4550	2000					20200	27000		2.06 :1	2.8: 1	
Kawardha	Assessment on the effect of herbal oil (Neem and Karanj) to control ecto parasites in dairy animals	Milk production lit./day/cow	0.7	0.9	12.8	13.6		28	36		15.2	22.4		1.52	2.24	
Kawardha	Assessment of methochelated minerals on	Milk production lit /day/cow	8.50	9.25	200	200		340	370		140	170		1.7	1.85	



	dairy buffaloes															
Kawardha	Assessment of New Verirty of Onion (Royal Selection )	Yield (q/ha)	128	182	43000	38000		89600	127400		46600	89400		2.08	3.35	
Kawardha	Assessment of IPM modules for Gram against Pod Borer	Yield (q/ha)	11.04	13.44	14300	15200		33120	40320		18820	25120		2.32	2.65	
Kawardha	Assessment of <i>Trichodarma viride</i> for control of Chickpea collar rot	Yield (q/ha)	11.71	13.44	14300	15200		35130	40320		20830	25120		2.46	2.65	

### 2.3 Information about Home Science OFT:

KVK Name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Details of Technology Selected for Assessment	Characteristics of Technology / Variety / Product / Enterprise	Farming / Enterprise Situation	No. of trials	Recommendations

### 2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	Performance Indicator / Parameter														

								drudgery		efficiency													
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		

## 2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Kawardha	<p>Soybean cultivated under rain fed condition has to face drought at pod filling stage, so short duration and drought tolerant varieties are to be developed.</p> <p>High Yielding and resistant variety to blast disease be developed for replacement of swarna due to heavy infestation of blast disease in swarna</p> <p>Resistant/tolerant varieties of chick pea to collar rot be developed as it is major problem in this area</p> <p>Suitable Paddy/soybean based cropping system for replacement of chick pea is to be identified as there is problem of wilt complex diseases in chickpea in the area</p> <p>Doses and duration of fertilizers as well as agrochemicals through drip for production and protection of sugarcane be quantified</p>

### 3. Achievements of Frontline Demonstrations

#### 3.1. Follow-up for results of FLDs implemented during previous years

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	Paddy	Diseases Management	Fungicides	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	6	560	1020
Kawardha	Soybean	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	400	445	1550
Kawardha	Soybean	Demonstration of Seed Drill	Seed cum fertilizer drill introduce	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	40	655	1050
Kawardha	Tomato	Varietal Evaluation	Variety	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	6	20	50
Kawardha	Mushroom	Mushroom cultivation	Mushroom Production	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	5	25	-
Kawardha	Chick pea	Varietal Evaluation	Variety	Demonstration plots, Discussion with other farmers, Distribution of literatures.	320	450	2550
Kawardha	Wheat	Weed Management	Herbicide	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	20	100	100
Kawardha	Sugarcane	Diseases Management	Agrochemical	Visit of other farmers in the Demonstration plots, Discussion with other farmers, Distribution of literatures.	20	50	200
Kawardha	Apple	Food and fodder	Apple cultivation	Visit of other farmers in the	2	10	10

**Note-**

\* Thematic area should be spelled correct and follow standard pattern i.e. Integrated Nutrient Management in place of INM or Inte. Nutrient Mngt. Etc.

\*Crop name should be spelled correct and standard English name should be i.e Chick pea in place of gram, Paddy in place of Paddy , brinjal in place of egg plant etc.

\*Don't press enter key to navigate among col use arrow or tab key

\*don't add space before or after statement within the table cell

**3.2 Details of FLDs implemented**

KVK Name	year	Season	Thematic area	Technology demonstrated	Name of Crop/ Enterprise	Name of Variety/Technology/Entreprizes	Crop-Area (ha) / Enterprise - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	S T	Others	General	Total
Kawardha	2014	<i>Kharif</i>	Varietal Evaluation	Variety	Paddy	Karma Mahsuri	5	44.50	51.17	14.98	-	-	12	-	12
Kawardha	2014	<i>Kharif</i>	Diseases Management	Fungicides	Paddy	Tebuconazole 50.9%	5	43.96	48.06	9.32	-	-	12	-	12
Kawardha	2014	<i>Kharif</i>	Varietal Evaluation	Variety	Soybean	JS-9560	5	4.65	5.02	7.95	-	-	12	-	12
Kawardha	2014	<i>Kharif</i>	Varietal Evaluation	Variety	Cowpea	Indira Barbati Lal	0.4	38.00	52.00	32.36	-	-	6	1	7
Kawardha	2014	<i>Kharif</i>	Demonstration of seed drill	Seed cum fertilizer drill introduce	Soybean	Seed drill	4	4.65	5.02	7.95	-	-	12	-	12
Kawardha	2014	<i>Kharif</i>	Varietal Evaluation	Variety	Pigeon Pea	Asha	5	12.70	15.60	22.83	-	12	-	-	12
Kawardha	2014-15	<i>Kharif Rabi &amp;</i>	Mushroom cultivation	Mushroom Production	Mushroom	Pleurotus Florida	-	-	720gm/Bag	-	04	-	-	-	04

Kawardha	2014-15	Rabi	Demonstration of seed drill	Seed cum fertilizer drill introduce	Chick pea	JG-226	5	11.8	13.2	10.92	-	02	10	-	12
Kawardha	2014-15	Rabi	Varietal Evaluation	Variety	Chick pea	JG-226	5	11.8	13.2	10.92	-	02	10	-	12
Kawardha	2014-15	Rabi	Varietal Evaluation	Variety	Tomato	Karishma	0.4	180	270	50	1	1	2	-	4
Kawardha	2014-15	Rabi	Weed Management	Herbicide	Wheat	Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP	5	25.50	30.58	19.92	-	12	-	-	12
Kawardha	2014-15	Rabi	Diseases Management	Agrochemical	Sugarcane	Hot water Treatment at 50° for 30 minutes & Tebuconazole 50%	5	785	895	14.01	-	-	12	-	12
Kawardha	2014-15	Rabi	Demonstration on Azolla cultivation for feeding of milch animal	Livestock production and management	Azolla	Azolla Pinata	10	2.5	3.0	20	-	-	06	-	06
Kawardha	2014-15	Rabi	Demonstration on Azolla cultivation for feeding of goat	Livestock production and management	Azolla	Azolla Pinata	12	20	22	10	-	-	06	-	06
Kawardha	2014-15	Kharif & Rabi	Fish cum duck culture	Fish cum duck production	Fish, Duck	Fish-(Catla, Rohu, Mrigal) duck breed (Khakhi Campbell )	-	10	12	20	-	02	02	-	04

### 3.3 Economic Impact of 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 <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )	FP (T <sub>1</sub> )	RP (T <sub>2</sub> )
Kawardha	Variety	Karma Mahsuri	Grain Yield (q/ha)	44.50	51.17	29570	27400	62300	71638	32730	44238	2.11	2.61
Kawardha	Fungicides	Tebuconazole 50.9%	Grain Yield (q/ha)	43.96	48.06	29570	27400	61544	67284	31974	39884	2.08	2.46
Kawardha	Variety	JS-95-60	Grain Yield (q/ha)	4.65	5.02	14500	15500	14880	16064	380	564	1.03	1.04
Kawardha	Variety	Indira Barbati Lal	Yield (q/ha)	38.00	52.00	42000	41000	45600	62400	3600	21400	1.09	1.52
Kawardha	Seed cum fertilizer drill introduce	Seed drill	Grain Yield (q/ha)	4.65	5.02	14500	15500	14880	16064	380	564	1.03	1.04
Kawardha	Variety	Asha	Grain Yield (q/ha)	12.70	15.60	19500	19200	69850	85800	50350	66600	3.58	4.47
Kawardha	Mushroom Production	Pleurotus Florida		-	720gm/Bag	-	1250						
Kawardha	Variety	JG-226	Grain Yield (q/ha)	11.8	13.2	14300	15200	35400	39600	21100	24400	2.48	2.61
Kawardha	Seed cum fertilizer drill introduce	Seed drill	Grain Yield (q/ha)	11.8	13.2	14300	15200	35400	39600	21100	24400	2.48	2.60
Kawardha	Variety	Karishma	Fruit Yield (q/ha)	186	249	52000	48000	130200	174300	78200	126300	3.63	2.50
Kawardha	Herbicide	Clodinafop Propargyl 15% + Metsulfuron Methyl 1% WP	Grain Yield (q/ha)	25.50	30.58	15500	15150	35700	42812	20200	27662	2.30	2.83

Kawardha	Agrochemical	Hot water Treatment at 50° for 30 minutes & Tebuconazole 50%	Yield (q/ha)	785	895	75000	74600	172700	196900	97700	122300	2.30	2.64
Kawardha	Azolla	Azolla Pinata	Milk Yield (kg/Cow/day)	2.5	3.0	80	85	90	108	10	23	1.12	1.27
Kawardha	Azolla	Azolla Pinata	(Body wt.)/goat	20	22	1000	1000	3200	4000	3200	3900	3.2	4.00
Kawardha	Fish, Duck	Fish-(Catla, Rohu, Mrigal) duck breed (Khakhi Campbell )	Fish Yield (q/ha)	1100	1450	22450	25700	77000	101500	54460	75800	3.4	3.95

### 3.4 Information about Home Science FLDs

KVK name	Year	Season	Thematic Area	Problem Identified	Technology to be Demonstrated as Solution to the Identified Problem	Crop/ Enterprise (In which crop Enterprise or Farming Activity)	Name of Variety/Technology/Enterprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries

### 3.5 Economic Performance Home Science FLDs:

KVK name	Technology to be Demonstrated	Performance Indicator / Parameter																						
		Output m <sup>2</sup> /h		Est. Energy Expenditure kj/min.		WHR beat/min		% reduction in drudgery		% increase in efficiency		Production per unit		Cost of input		Incremental income		Yield(Kg/ha)		Net Return		Saving in Rs	BC ratio	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2			

### 3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Kawardha	Soybean	Field days	01	120	
		Farmers Training	6	120	
		Media coverage	4	Mass	
		Training for extension functionaries			



		Farmers Training	3	65	
		Media coverage	1	45	
		Training for extension functionaries			
Kawardha	Pigeonpea	Field days	01	106	
		Farmers Training	8	135	
		Media coverage	4	Mass	
		Training for extension functionaries			
Kawardha	Chick pea	Field days	00	00	
		Farmers Training	8	150	
		Media coverage	00	00	
		Training for extension functionaries	00	00	

### 3.7 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 IPM modules for stem borer in paddy	1.One row of Aromatic Paddy after nine line of main crop	OFT	Yes
Kawardha	Oyster Mushroom production	Low cost technology	FLD	Yes

#### 4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested
<b>Kawardha</b>	Although the yield of JS -93-05 is lower than JS 335, attack of girdle beetle is less in JS- 93-05 as compared to JS-335 and other varieties Use of herbicide is far better as there is labour problem, if we see for labour for manual weeding, it gets very late. Problem of wilt complex is more in chickpea taken after Paddy as compared to chick pea taken after soybean.

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

Kawardha	Rural Youth	farmers Field visits, Group discussion with the farmers	April, 2014, Village – Khairjiti kala	30
	In-service Personnel	Field visits, Group discussion with the farmers	Kawardha -	20

### 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>	
CRP	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
RYH	Rural Youth
EXP	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, mention code/abbreviations only

**Table 5.1. Details of Training programmes 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	ONC	PLP	Management of insects and diseases of Paddy	1	1	8	00	2	00	8	3	8	3
Kawardha	FW	OFC	PLP	Management of insects and diseases of Paddy and Soybean	1	1	7	2	3	2	4	2	9	2
Kawardha	FW	OFC	PLP	Management of diseases and insects of Paddy and Soybean	1	1	8	3	8	00	8	00	5	00
Kawardha	FW	OFC	OTH	Weed Management	1	1	15	00	00	3	00	2	9	2
Kawardha	FW	OFC	HOV	Vegetable production and Protection	1	1	6	00	2	00	2	00	15	00
Kawardha	FW	OFC	FIS	Fish Culture	1	1	6	00	6	00	6	3	6	3
Kawardha	FW	OFC	HOV	Vegetable production and Protection technology	1	1	12	2	2	2	2	2	6	2
Kawardha	FW	ONC	FIS	Fish cum Duck Culture	1	1	4	1	4	1	4	1	8	1
Kawardha	FW	OFC	LPM	Backyard poultry forming	1	1	8	2	5	00	5	00	10	00
Kawardha	FW	OFC	FIS	Fish cum Duck Culture	1	1	6	2	6	2	6	2	4	2
Kawardha	FW	OFC	LPM	Backyard poultry forming	1	1	8	1	6	1	6	1	6	1
Kawardha	FW	OFC	LPM	Balance diet in Mulch Animals	1	1	10	2	2	2	2	2	4	2
Kawardha	FW	ONC	CRP	Production and protection technology of Pulses, Oilseed and Sugarcane	1	1	3	2	3	00	3	3	12	3
Kawardha	FW	OFC	AEG	Power reaper	1	1	5	2	7	2	7	2	5	2
Kawardha	FW	OFC	AEG	Bullock operator implement	1	1	7	00	7	00	7	00	6	00
Kawardha	FW	OFC	HOF	Micro irrigation systems of orchards tomato	1	1	8	00	8	00	8	3	4	3
Kawardha	FW	OFC	HOF	Training & pruning in fruit crops	1	1	11	2	00	2	00	2	12	2
Kawardha	FW	OFC	HOT	Processing and value addition	1	1	8	3	5	3	5	3	7	3
Kawardha	FW	OFC	AEG	Seed drill introduction	1	1	6	00	6	00	6	00	6	00
Kawardha	FW	OFC	FIS	Composite Fish Culture	1	1	2	00	2	00	2	2	15	2
Kawardha	FW	OFC	FIS	Integrated Fish Farming	1	1	15	00	2	00	2	00	2	00
Kawardha	FW	ONC	CRP	Sugarcane production technology	1	1	2	00	2	00	2	4	15	4
Kawardha	IS	ONC	CRP	Cultivation practices of major Rabi crops	1	1	14	00	2	00	2	3	4	3

Kawardha	FW	OFC	AEG	Zero seed drill	1	1	6	3	6	00	6	2	4	2
Kawardha	FW	OFC	AEG	Power tiller	1	1	2	00	2	00	2	00	11	00
Kawardha	FW	OFC	PLP	Insect Pest of Sugarcane	1	1	10	2	5	00	5	2	3	2
Kawardha	FW	OFC	PLP	Diseases of Sugarcane	1	1	13	00	7	00	7	00	7	00
Kawardha	FW	OFC	HOF	Layout and management of orchard	1	1	14	00	2	00	2	2	7	2
Kawardha	FW	OFC	HOV	Off-season vegetables	1	1	15	2	3	00	3	3	3	3
Kawardha	FW	OFC	PLP	Production of bio control agents and bio pesticides	1	1	7	3	2	00	2	2	9	2
Kawardha	FW	ONC	FIS	Integrated fish culture	1	1	18	00	4	00	4	3	4	3
Kawardha	FW	ONC	FIS	Carp culture	1	1	7	3	7	00	7	00	13	00

**Table 5.2. Details of Vocational training programmes for Rural Youth conducted by the KVKs**

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries							
					Gen		SC		ST		Others	
					M	F	M	F	M	F	M	F
Kawardha	Improved production technology of <i>Trichoderma viride</i> Production	Training on <i>Trichoderma viride</i> Production	Income Generation, Cultivation technology of <i>Trichoderma viride</i> production	01	7	6	8	3	4	0	12	8
Kawardha	Vegetable preservation technique	Tomato/ Ketchup	Income Generation, preservation technique of Tomato	01	6	8	4	1	5	1	10	8
Kawardha	Improved production technology of Mushroom	Mushroom Production	Income Generation, Cultivation technology of Mushroom	01	4	4	7	1	4	2	12	6
Kawardha	Improved production technology of Mushroom	Mushroom Production	Income Generation, Cultivation technology of Mushroom	01	4	4	7	3	3	1	12	7
Kawardha		Production of organic	Income									

Kawardha	Seed Production Technology	Seed production	Income Generation, Seed Production Technology	02	3	4	1	1	4	0		21	4
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**Table 5.3. 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 elsewhere
		Type of units	Number of units	Number of persons employed	

**Table 5.4. 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	Management of SRI	CRP	Crop Management	FW	01	01	08	01	05	02	08	02	11	04	Dept. of Ag.	
Kawardha	Management of SRI	CRP	Crop Management	FW	01	01	10	04	06	00	03	02	08	03	Dept. of Ag.	
Kawardha	Management of insects and diseases of Paddy	PLP	Integrated Crop Management	FW	01	01	08	02	02	02	06	00	07	02	Dept. of Ag.	
Kawardha	Management of insects and diseases of Paddy	PLP	Integrated Crop Management	FW	01	01	09	00	03	00	04	00	11	04	Dept. of Ag.	
Kawardha	Management of insects and diseases of Chickpea	PLP	Integrated Crop Management	FW	01	01	10	02	04	01	04	03	08	00	Dept. of Ag.	
Kawardha	Sugarcane production technology	CRP	Crop Management	FW	01	01	08	03	03	00	06	02	07	02	ATMA	
Kawardha	Kharif Crop Production technology	CRP	Crop Management	FW	01	01	09	02	02	00	02	01	06	00	ATMA	
Kawardha	Management of insects and diseases of Paddy and Soybean	PLP	Integrated Crop Management	FW	01	01	06	03	01	00	04	02	12	02	ATMA	
Kawardha	Vegetable production and	HOV	Vegetable	FW			09	04	00	05	05	00	07	02		

Kawardha	Rabi Crop Production technology	CRP	Crop Management	FW	01	01	08	02	06	00	06	01	08	02	ATMA	
Kawardha	HOF Micro irrigation systems of orchards tomato	HOF	Vegetable production technology	FW	01	01	07	03	07	00	04	01	13	00	ATMA	
Kawardha	Off-season vegetables	HOV	Vegetable production technology	FW	01	01	11	02	00	03	05	00	07	02	ATMA	
Kawardha	Training & pruning in fruit crops	HOF	Fruit production technology	FW	01	01	08	02	00	00	03	00	09	03	ATMA	
Kawardha	Processing and value addition	HOT	Fruit production technology	FW	01	01	10	03	04	02	02	00	06	02	ATMA	
Kawardha	Backyard poultry forming	LPM	Live Stock Production and Management	FW	01	01	09	04	03	01	00	00	13	03	ATMA	
Kawardha	Balance diet in Mulch Animals	LPM	Live Stock Production and Management	FW	01	01	07	03	02	02	06	01	04	04	ATMA	
Kawardha	Management of diseases and insects of Chickpea	PLP	Integrated Crop Management	FW	01	01	08	00	00	00	06	00	06	04	ATMA	
Kawardha	Sugarcane production technology	CRP	Crop Management	FW	01	01	09	04	08	00	04	01	10	00	ATMA	
Kawardha	Kharif Crop Production technology	CRP	Crop Management	FW	01	01	06	04	04	00	07	01	05	03	ATMA	
Kawardha	Vaccination and control measure	LPM	Live Stock Production and Management	FW	01	01	10	02	00	02	05	03	08	02	ATMA	
Kawardha	Control of Ecto and Endo Parasites	LPM	Live Stock Production and Management	FW	01	01	11	02	00	00	02	02	06	00	ATMA	
Kawardha	Zero seed drill	AEG	Seed cum fertilizer drill introduce	FW	01	01	09	04	04	00	01	00	10	02	ATMA	
Kawardha	Power tiller	AEG	Seed cum fertilizer drill introduce	FW	01	01	09	04	04	00	00	02	08	02	ATMA	
Kawardha	Composite Fish Culture	FIS	Fish Production	FW	01	01	08	00	02	02	04	03	13	02	ATMA	
Kawardha	Integrated Fish Farming	FIS	Fish Production	FW	01	01	07	04	00	01	06	03	05	00	ATMA	
Kawardha	Fish cum Duck Culture	FIS	Fish Production	FW	01	01	06	02	03	00	00	06	02	02	ATMA	

**Table 5.5 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.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

**Table 5.6 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	Trichoderma Production Technology	40	10	50					100ha ,25 person adopted , 55 % knowledge increased, Rs. 2500extra income
Kawardha	Mushroom Production	25	12	40					20 person adopted , 45 % knowledge increased, Rs. 1500extra income
Kawardha	Seed production of Chickpea	50	05	45	13	15	23000	2700	200 ha, 20 person adopted, 70% knowledge increased.
Kawardha	Vermiculture	40	25	65					4 person adopted, 60 % knowledge increased, Rs one lac extra income
Kawardha	Nursery Management of Horticultural crops	45	35	75					10 person adopted, 90 % knowledge increased, Rs 25000 extra income





## 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			
	Field Day	10	04	213	43	144	24	6	2	To tell the farmers & RAEOs about cultivation of crops and management of insects and diseases	Improved technique of cultivating pigeon pea, chick pea, Wheat, and management of insects and pests in respective crops	Early and mid growth stages of the said crops
	Kisan Mela	02	-	-	-	-	-	-	-	To let the farmers of the district know about New Ag. Technology	-	-
	Kisan Ghosthi	10	05	126	31	54	07	04	-	To let the farmers of the district know about New Ag. Technology	-	-
	Exhibition	02	04	Mass	Mass	Mass	Mass	-	-	To let the farmers of the district know about New Ag. Technology	-	-
	Film Show	08	-							Crop Production and Protection		
	Method Demonstrations	10	05	65	10	25	10	02	00	Seed sowing by Seed Drill, Planting System of fruit crops, Soil sampling		
	Farmers Seminar	06	00	00	00	00	00	00	00	-	-	-
	Workshop	12	11					19	26	Discuss with agriculture and allied department concern of major constraint and opportunity		
	Group meetings	15	15	110	32	85	26	25	05	To know about the need assessment for trainings		
	Lectures delivered as resource persons	25	41	Mass	Mass	Mass	Mass			To tell about cultivation practices of crops, to solve seasonal problems related to insect/pests & diseases of crops		
	Newspaper coverage	50	63	Mass	Mass	Mass	Mass			Seasonal problems, their remedy and KVK activities		
	Radio talks	00										
	TV talks	00										

	Farm advisory Services	05										
	Scientific visit to farmers field	50	50	20	2	20	8			Seasonal problems related to insect/pests & diseases of crops		
	Farmers visit to KVK	20	20	622	48	546	35			To enquire about cultivation practices of crops , source & availability of seeds, problems related to insect/pests & diseases of crops		
	Diagnostic visits	14	78	144	20	98	5			Late blight of Tomato ,Chili Leaf Curl, Chickpea wilt, Paddy BPH. Sugarcane Red rot and Borers		
	Exposure visits	01	01			40						
	Ex-trainees Sammelan	01										
	Soil health Camp	01										
	Animal Health Camp	00										
	Agri mobile clinic	00										
	Soil test campaigns	00										
	Farm Science Club conveners meet	00										
	Self Help Group conveners meetings	01										
	Mahila Mandals conveners meetings											
	Celebration of important days (World environment day)											

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

### 7.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies printed	Number of copies distributed
Kawardha	1 <sup>st</sup> April, 2011	Quarterly	4000	3566

### 7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Kawardha	Article	Dhan ke pramukh Rog	B.P.Tripathi,T.D.Sahu and B.S.Parihar	-
Kawardha	Article	Sabji bargiye faslo avam birdhi niymak	P.Kant and B.P.Tripathi	-
Kawardha	Article	Paira ke Axcelic acid ka prabhav kam karne ke liye kare urea	Nutan Ramteke	-
Kawardha	Article	Kaddujataye sabjivo ki beej faslo ke pramukh rog ,keet aur niyantra	Swati Sharma	-
Kawardha	Article	AAM Ki kheti me barte Sawdhani	Swati Sharma	-

### 7.3 Details of Electronic Media Produced

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

## 8. Production and supply of Technological products

### 8.1 SEED production

KVK Name	Major group/class	Crop	Variety	Quantity (qt.)	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Kawardha	Oilseed	Soybean	JS- 335	18.50		Raw seed transferred S.K.CARS,Kawardh.	23
Kawardha	Pulses	Chick pea	JG-6/JG-130	124.00		Raw seed transferred S.K.CARS,Kawardh.	156
Kawardha	Pulses	Moong	Hum-12/Hum-16	15.71		Sold to NSP, Raipur	75

### 8.2 Planting Material production = Nil

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)

### 8.3 Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) \* Name of product should follow same pattern and spelled correct = Nil

KVK Name	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.)
	Bio Agents						
	Bio Agents						
	Bio Fertilizer						
	Bio Fertilizer						

### 8.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Breed	Type of Produce	Qty. (kg/qt./litre )	Value (Rs.)	No. of Beneficiaries

## 9. Activities of Soil and Water Testing Laboratory

9.1 Details of soil samples analyzed so far: No

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Soil report distributed to the farmers (Nos)

9.2 Details of water samples analyzed so far : No

KVK Name	Status of establishment of Lab	Year of establishment	Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized	Water report distributed to the farmers (Nos)

10. Rainwater Harvesting = No

Training programmes 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

11. Utilization of Farmers Hostel facilities = 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)	Accommodation available (No. of beds)

## 12. Utilization of Staff Quarters facilities = No

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

## 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Kawardha	19.06.2014	36	OFT as well as FLD on improved cultivation practices of Oilseeds, Pulses, Cereals, & vegetables. Training on Sugarcane production and Protection technology. Promotion of use of organic source of nutrients. Promotion of seed treatment before sowing. Production of Trichoderma viride locally

## 14. Status of Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages sent	No. of beneficiary		Sponsoring agency (NIC, Farmers Portal, etc.)	Major recommendations
		Farmers	Ext. Pers.		
Kawardha	58	24200	108	1.Farmers Portal (December 2013 to till continue )	Related to Improved cultivation practices of crops, prevention & control of seasonal insect/pests & diseases, awareness

## 15. Status of 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	Others (Plz. Specify) - TSP	IIPR, Kanpur	3,25500	FLD, Field Day, Ag. Exhibition	Village –Khariya and Singhari ,Bodla Block	
Kawardha	N.F.S.M					
Kawardha	N.H.M			Delivered lecture as Resources person		

## 16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Kawardha	30415695476	1205077.00	1056466.00	1056466.00

## 17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Kawardha	Shri Prabhat Chandrakar	Farmer	GOI. For Krishi Karmanth Puraskar	300000.00
Kawardha	Shri Prabhat Chandrakar	Farmer	DES,IGKV,Raipur	5000.00
Kawardha	Shri Netram Chandravansi	Farmer	DES,IGKV,Raipur	5000.00
Kawardha	Shri Santosh Chandravansi	Farmer	DES,IGKV,Raipur	5000.00
Kawardha	Shri Rajkumar Tiwari	Farmer	DES,IGKV,Raipur	5000.00
Kawardha	Shri Shushil Chandravansi	Farmer	DES,IGKV,Raipur	5000.00
Kawardha	Shri Ramkhilawan Dahariya	Farmer	DES,IGKV,Raipur	5000.00
Kawardha	Shri Balam Chandravansi	Farmer	DES,IGKV,Raipur	5000.00

## 18. Details of KVK Agro-technological Park .

### a) Have you prepared layout plan, where sent?

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

### b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	Chickpea ,Sugarcane ,Mustard and Vegetables
	Technology Desk	
	Visitors Gallery	
	Technology Exhibition	
	Technology Gate-Valve	

### c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	Integrated crop management	03



## 19. 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	Shri Santosh Kumar Chandrawanshi	Mini Power Sprayer	Village- Daujari, Block- Kawardha, 9752524972
2	Kawardha	Shri Lalit Chandravansi	<i>Trichoderma</i> production locally	Village- Khairjinti kala, Block- Kawardha, 9755048082
3	Kawardha	Shri Bharat Lal Verma	Herbal Insectide	Village- Naudih, Block- Kawardha, 7898978746
4	Kawardha	Shri Tuka Ram Sahu	Mushroom Production	Village- Chardongri, Block- Kawardha, 9753200413
5	Kawardha	Shri Punniram Bhatt	Vegetable Production with Drip System	Village- Barbaspur, Block- Kawardha, 9827891936
6	Kawardha	Shri Shiv Kumar Chandrawansi	Vegetable Production especially coriander	Village- Koko, Block- Kawardha, 9303281467
7	Kawardha	Shri Sushil Chandrawansi	Banana Production	Village -Jhalmala,Block- Kawardha,8085068210
8	Kawardha	Shri Paras Ram Sahu	Nadep Pit	Village -Bhedli ,Block- Kawardha, 97389134713
9	Kawardha	Shri Shyam Ratan	Mushroom Production	Village -Rehngi ,Block- Kawardha, 9981738577
10	Kawardha	Shri Mehtaru ram	Chickpea Production	Village -Mirmitti ,Block- Kawardha, 9009890221

## 20. KVK interaction with progressive farmers

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	11.04.2014,23.04.2014,05.05.2014,05.06.2014,11.06.2014	10
2	16.06.2014,20.06.2014,24.06.2014,27.06.2014,02.07.2014	10

## 21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Kawardha	04	04	38	79

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

**22. 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
01	Piegon	5 ha	2(FLD and Training)	
02	Urd Bean,	5ha	2 (FLD and Training)	
03	Chickpea	32ha	3 (FLD,Field day and Training)	
	<b>Total</b>	<b>42ha</b>	<b>07</b>	

**23. KVK Ring**

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
02	KVK,Rajnadgaon	Experts, exposure activities and sharing views etc.	
03	KVK,Bhatapara	Experts, exposure activities and sharing views etc.	

**24. Important visitors to KVK**

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Kawardha	Dr. T. Makesh Kumar (CTCRI, Trivendrum)	26.05.14	CTCRI, Trivendrum			
Kawardha	Dr. Deo Shankar (Scientist Hort. SGCARS, jagdalpur)	26.05.14		SGCARS, jagdalpur		
Kawardha	Dr. A.P.Dwivedi (Senior Scientist, ZPD, Zone-VII, ICAR, Jabalpur)	11.06.14	Jabalpur			
Kawardha	Dr.P.K.Chandrakar (Principal Scientist, NSP, IGKV, Raipur)	03.09.14			NSP, Raipur	
Kawardha	Shri Suresh Thakur (S.C.O., SCA, Raipur)	03.09.14		Dept of Agri,C.G, Raipur		
Kawardha	Shri Ajay Kumar Tripathi (Asstt. Seed Certification Officer, kawardha)	03.09.14			CG state ,Seed Certification, Raipur)	
Kawardha	Dr. R.K. Dwivedi (Dean. SKCARS.	03.09.14		SKCARS, Kawardha		

	Principle Scientist				
Kawardha	Dr. Rajendra Lakpale (Associate Director Research, ZUW, Raipur)	03.12.14		CoA,Raipur	
Kawardha	Dr. Vivek Kumar Tripathi (ANR, IGKV, Raipur)	03.12.14		CoA,Raipur	
Kawardha	Dr. R.C.Upadhyay (CC,MIDH, DAC, New Delhi)	23.12.14	DAC, New Delhi		
Kawardha	Dr. S.N. Dikshit (Prof & Head Department of Horticulture, CoA, Raipur )	23.12.14		HOD ( Fruit Science), Raipur	
Kawardha	Dr. A.K.Asthana (Director, ICM, Bhopal)	21.01.15	Director, ICM, Bhopal		
Kawardha	Dr. D. Bhonsle (PC, KVK, Durg)	25.01.15		CGKU,Durg	
Kawardha	Shri M.K.Chandrakar (M.D., Seed Certification, Raipur)	03.03.15			CG, State, Seed Certification, Raipur
Kawardha	Dr.P.K.Chandrakar (Principal Scientist, NSP, IGKV, Raipur)	03.03.15			NSP, Raipur
Kawardha	Dr. Ajay Prakash Agrawal (Principal Scientist, Wheat, Bilaspur)	04.03.15		CoA,Bilaspur	
Kawardha	Dr. Vijay Kumar Pandey (Dean, College of Agril. Engg. & Tech. Research Station, Mungeli)	24.03.15		BRSM, College of Agril. Engg. & Tech. Research Station, Mungeli)	
Kawardha	Er. Debasish Padhee (BRSM, College of Agril. Engg. & Tech. Research Station, Mungeli)	24.03.15		BRSM, College of Agril. Engg. & Tech. Research Station, Mungeli)	

## 25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
01	Kawardha	04.02.2014	06	665

**26. E-CONNECTIVITY Nil**

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			

**27. Status of RTI = Nil**

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

**28. Status of Citizen Charter= Nil**

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

**29. Attended HRD Programmes organized by ZPD**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
	<b>Total</b>			

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

**30. Attended HRD Programmes organized by DES**

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks

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

**31. Attended HRD Programmes by KVK Staff (Refresher course, Short course, Training programme etc.)**

Name of KVK	Name of Staff	Post held	Programmes attended (Nos)	Remarks

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

**32. Agri alert report (Epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)**

Name of KVK	Alert observed	Particulars	Reported to organization

### 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology

### 34. INTERVENTIONS ON DROUGHT MITIGATION

#### Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

#### Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries

#### Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Kawardha	Cattle, Poultry ,Goat, Buffalo'	5	25

#### Animal health camps organized

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

#### Seed distribution in drought hit states

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

**Seedlings and Saplings 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 gist 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	140	05	219	04	432			04	Mass		

### 35. Proposal of NICRA= Nil

#### 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			Total
	Farmers	Farm Women	Official	

#### 3. Proposed Training Activities in NICRA Village

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

#### 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	Any Special Remark by Visitors

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

#### 36. Proposed works under NAIP (in NAIP monitoring format)



**37. Case study / Success Story to be developed – Two best only in the following format**

Name of the KVK, **TITLE, Introduction, KVK intervention, Output, Outcome, Impact**

<b>Sr. no.</b>	<b>Name of KVK</b>	<b>No. of success stories</b>	<b>No. of case studies</b>
<b>01</b>	<b>Kawardha</b>	<b>02</b>	