

# **ANNUAL PROGRESS REPORT**

**April 2013 to March 2014**

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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:- Rice (not use Paddy), Wheat, Barley, Kodo, Kutki, Maize, Jwar, Bajra, Pigeon pea (not use Tur, Arhar, Red gram), Blackgram (not use Urd), Greengram (not use Moong/Moongbean), Chickpea (not use 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 2013 to March 2014**  
**Summary of KVK Annual Report (Quantifiable Achievement) for the year 2013-14**

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
<b>1</b>	<b>On Farm Testing</b>			
	Proposed OFT	12		60
	On Going OFT	-		-
	Technologies assessed (Completed OFT)	12		60
	Technologies refined	03		16
	On farm trials conducted	12		60
<b>2</b>	<b>Frontline demonstrations</b>			
	Proposed Frontline demonstrations	06		
	On Going Frontline demonstrations	-		-
	FLDs conducted on crops	09		160
	Area under crops (ha.)	56		160
	FLD on farm implement and tools	-		-
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	-		-
	FLD on Fisheries - Finger lings	-		-
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	01		30
	FLD on Women in Agriculture - ( Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	01		10
<b>3</b>	<b>Training programmes</b>	<b>No. of Course</b>	<b>Duration (days)</b>	<b>Participants</b>
	Farmers & Farm Women	73	81	1386
	Farm women	-	-	-
	Rural youth	02	08	15
	Extension personnel/ In service	-	-	-
	Vocational trainings	02	14	60
	Sponsored Training	34	25	1253
	<b>Total</b>	111	128	2714
		<b>No. of programmes</b>	<b>Participants</b>	
<b>4</b>	<b>Extension Programmes</b>	27	6107	
<b>5</b>	<b>Production of technology inputs etc</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Seed (qt.)	269	-	
	Planting material produced (nos.)	800	4	
<b>6</b>	<b>Livestock</b>	<b>Qty</b>	<b>Beneficiaries (nos.)</b>	
	Livestock strains ( Nos)	08	10	
	Milk Yield - Cow, Buffelo etc. (in liter)	13870	64	
	Fish (Kg.)	30	16	
	Fingerlings (nos.)	-	-	
	Poultry-Eggs (nos.)	-	-	
	Ducks (nos.)	-	-	
	Chicks etc. (nos.)	-	-	

7	<b>Bio Products</b>		<b>Qty</b>	<b>Beneficiaries (nos.)</b>
	Bio Agents -Earth worm (Kg.)		30	10
	<i>Trichoderma &amp; Pseudomonas</i> (kg.)		30	65
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)		<b>06</b>	30
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil, Spawn,Mushroom in kg etc.(lit.)		<b>135.75</b>	66
8	<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)		-	-
	Publications ( Res. Paper/ pop. Art./Bulletin,etc.)		41	8
	KVK News letter		2000	Mass
	SAC Meetings conducted		01	36
	Soil sample tested	101		39
	Water sample tested		-	-
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)		-	-
	KVK-KMA (Message and beneficiaries)		66	1052
	Convergence programmes		07	-
	Sponsored programmes		05	mass
	KVK Progressive Farmers interaction		12	292
	No. of Technology Week Celebrations		-	-
	Attended HRD activities organized by ZPD		-	-
	Attended HRD activities organized by DES		-	-
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc. )		4	2
9	Current status of Revolving Funds ( Amt. in Rs.)			416812.00
10			<b>No. of blocks</b>	<b>No. of villages</b>
	Outreach of KVK in the District		10	1623
11			<b>ICAR</b>	<b>SAU</b>   <b>Others</b>
	No. of important visitors to KVK (nos.)		2	4   2
12			<b>Working (Yes/No)</b>	<b>No. of Update</b>
	Status of KVK Website		Yes	42
13			<b>Application received</b>	<b>Application disposed</b>
	Status of RTI (nos.)		Nil	Nil
14			<b>Query received</b>	<b>Query dissolved</b>
	Citizen Charter (nos.)		Nil	Nil
15			<b>Working (Yes/No)</b>	<b>No. of programme viewed</b>
	E-connectivity		No	
16			<b>Filled</b>	<b>Vacant</b>
	Staff Position		14	02
17	Workshop/ Seminar/ Conference attended by staff of KVK ( nos)			3
18	Publication received from ICAR /other organization (nos.)			20
19			<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)		Nil	

# GENERAL INFORMATION

## 1.1. Staff Position (as on date 01.04.2014)

### Summary of Staff position in KVKs on March, 2014

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Bilaspur (C.G.)	16	1	1	6	6	3	2	6	5	16	14

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
	Programme Coordinator	Dr. R.N.Sharma	Agril Extension	Ph.D	Agril. Extension	37400-67000	56330 + 10000 AGP	11.01.2012	Temporary	General
	Subject Matter Specialist1	Dr. D.K.Sharma	Agril. Extension	Ph.D	Agril. Extension	37400-67000	60320 + 10000 AGP	30.06.1995	Temporary	General
	Subject Matter Specialist2	Dr. Kiran Gupta	Home Science	Ph.D	Food & Nutrition	37400-67000	49830 + 9000 AGP	29.09.2012	Temporary	General
	Subject Matter Specialist3	Er. Umesh Dhruv	FMP	M.Tech.	Farm Machinery	15600-39100	19050+ 6000 AGP	03.11.2007	Temporary	ST
	Subject Matter Specialist4	Smt. Shilpa Kaushik	Agronomy	M.Sc	Weed Management	15600-39100	15600 +5400 AGP	06.09.2012	Temporary	OBC
	Subject Matter Specialist5	Sh. Devendra Upadhyay	Horticulture	M.Sc	Vegetables	15600-39100	15600 +5400 AGP	07.09.2012	Temporary	General
	Subject Matter Specialist6	Shri Vinod K. Nirmalkar	Plant Pathology	MSc. (Ag.)	Medicinal Disease	15600-39100	15600 +5400 AGP	13.09.2012	Temporary	OBC
	Programme Assistant	Smt Nivedita Pathak	Home Sci.	M.Sc	Child development	15600-39100	21215 +5400 AGP	15.01.2007	Temporary	Others
	Farm Manager	<b>Vacant</b>								
	Computer Programmer	Smt. Sushila Ohdar	Computer	MCA		9300-34800	9300 + 4200 AGP	20.09.2012	Temporary	ST
	Accountant / superintendent	Sh. J.P.Sharma		Hr. Sec.		5200-20200	14120 + 2800 AGP	23.7.2010	Temporary	General
	Stenographer	Vacant								

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
	Driver	Sh. M.L.Vaishnav		8 <sup>th</sup>		5200-20200	12190 + 2200 AGP	01.01.1986	Temporary	OBC
	Driver	Sh. Raju Kashyap		Hr.Sec.		5200-20200	5680 + 1900 AGP	01.04.2013	Temporary	OBC
	Supporting staff	Sh. Indra Ram Patel		7 <sup>th</sup>		4750-7440	8630.00 +1800 AGP	01.01.1986	Temporary	OBC
	Supporting staff	Sahodar bai		5 <sup>th</sup>		4750-7440	5740.00 +1300 AGP	16.09.2008	Temporary	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
Bilaspur	Chhattisgarh Plane	8	557	2663629	1596560	1051461	226110	1.66

## 1.3. DETAILS OF ADOPTED VILLAGE during the reporting period (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)
Bilaspur (C.G.)	Birgahni	2013-14	Kota	45	1200	120
	Bhaisajhar	2013-14	Kota	40	900	100

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

KVK Name	THRUST AREA
Bilaspur	1. Weed management at critical period
	2. Varietals replacement of various crops
	3. Crop diversification in upland rice
	4. Combined use of inorganic and organic fertilizer
	5. Integrated Pest & Weed management in different crop
	6. Balance use of fertilizer

	7. Safe grain storage
	8. Insect & disease management
	9. Management of Malnutrition
	10. Mushroom cultivation and Spawn Production
	11. Vegetable and Fruit Production
	12. Value addition of Fruit and Vegetable crop & Mushroom
	13. Farm Mechanization
	14. Mass Production of Bio agents for Insect and disease management
	15. Seed and soil treatment for seed and soil borne problems.
	16. Self employment and income generating activity

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

KVK Name	Problem identified	Methods of problem identification	Location Name of Village & Block
Bilaspur	Weed infestation in different crops	Group meeting	Birgahni and Bhaisajhar (Kota)
	Imbalance use of fertilizer in different crops	Group meeting	Birgahni and Bhaisajhar (Kota)
	Blast & Stem borer causing major yield loss in Rice crop.	Group meeting	Birgahni and Bhaisajhar (Kota)
	Unavailability of quality seed	Group meeting	Birgahni and Bhaisajhar (Kota)
	Low yield of Rice from existing variety	Group meeting	Birgahni and Bhaisajhar (Kota)
	Lack of use of bio-fertilizers, Bio agents and manures in crop	Group meeting	Birgahni and Bhaisajhar (Kota)
	Less mechanization	Group meeting	Birgahni and Bhaisajhar (Kota)
	Sowing by traditional method	Group meeting	Birgahni and Bhaisajhar (Kota)
	Lack of Soil Testing	Group meeting	Birgahni and Bhaisajhar (Kota)
	Less Knowledge recommended dose of Pesticides	Group meeting	Birgahni and Bhaisajhar (Kota)
	Malnutrition among Farm Families	Group meeting	Birgahni and Bhaisajhar (Kota)
	Less Shelf life of fruits and vegetables/Mushroom	Group meeting	Birgahni and Bhaisajhar (Kota)
	Collar rot/wilt complex and pod borer in Chickpea is causing heavy losses	Group meeting	Birgahni and Bhaisajhar (Kota)
	Not following seed treatment for pest management	Group meeting	Birgahni and Bhaisajhar (Kota)
	Leaf blight & fruit borer in Tomato & Potato is serious pest causing losses	Group meeting	Birgahni and Bhaisajhar (Kota)



## 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 Rice/chawal , brinjal in place of egg plant/bhata/baigan etc.

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

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

### 2.1 Information about OFT

KVK name	Year	Season	Problem diagnose	Title of OFT	Category of technology (Assessment/Refinement)	Thematic Area	Crop/enterprise	Farming 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> )	
Bilaspur	2013-14	Kharif	Leaf Blast is causing serious damage in yield	Assessment of Chemicals against leaf blast of Rice	Assessment	PLP	Rice	Irrigated Low-Land	4	24.72	35.63	14383	26250	Seed treatment By Tricyclazole@2gm/kg of seed & foliar spray @120gm/acre during active tillering & Panicle initiation stage
Bilaspur	2013-14	Rabi	Wilt complex in Chickpea causing heavy yield lossess	Assessment of <i>Trichoderma</i> & <i>Rhizobium</i> culture as seed & soil treatment against wilt complex of Chickpea	Assessment	PLP	Chickpea	Irrigated Up-land	4	4.25	6.43	9380	10490	Seed treatment by <i>Trichoderma viride</i> & <i>Rhizobium</i> @10gm/kg of seed & Soil treatment by <i>Trichoderma viride</i> @10gm/kg of FYM, apply during field preparation.
Bilaspur	2013-14	Rabi	Low Yield obtained by Farmers due to Early & Late Blight	Assessment of Chemical against Blight management of Tomato	Assessment	PLP	Tomato	Irrigated Up-land	4	225	345	64500	111500	Seed treatment by <i>Trichoderma viride</i> & foliar application of azostrobin 23% SC 1ml/lite + Carbendazim mancozeb mixed formulation @2gm/litre of H <sub>2</sub> O at 30,45 &60 DAP

Bilaspur	2013-14	Kharif	High Mortality in vegetables Nursery Due to diseases i.e. Damping off, Bacterial blight, root rot etc.	Assessment of Bio-agents against Vegetables Nursery diseases	Assessment	PLP	Tomato & Brinjal	Irrigated Up-land	4	-	-	-	-	Seed treatment By <i>Trichoderma harzianum</i> @10gm/kg of seed & soil (by FYM)
Bilaspur	2013-14	Kharif 2013	Field remains fallow after long duration rice.	Assessment of Rice based cropping system under limited (one) irrigation during Rabi.	Assessment	Integrated crop management	Rice	Irrigated	4	33	38	23250	28000	MTU1010 Variety was recommended
Bilaspur	2013-14	Kharif 2013	High use of nitrogenous fertilizer and less use of organic sources	Assessment of the performance of green manure in Rice	Assessment	Nutrient Management	Rice	Irrigated	4	34	42	24000	30400	green manure <i>Sesbania</i> spp. was recommended
Bilaspur	2013-14	Rabi20 13-14	Field remains fallow after long duration rice.	Assessment of Rice based cropping system under limited (one) irrigation during Rabi.	Assessment	Integrated crop management	Safflower (JSI-7)	Irrigated	4	3.1	4.2	3080	5560	The recommendation of Safflower (JSI7) is economical
Bilaspur	2013-14	Rabi20 13-14	Having low yield potential variety of wheat Var. GW273	Assessment of improved variety of wheat Var GW366	Assessment	Varietal Replacement	Wheat(GW366)	Irrigated	4	8.6	12.4	4610	8040	GW366 variety was recommended
Bilaspur	2013-14	Kharif	Low productivity due to deficiency of Micronutrient	Assessment of application of boron increased the productivity of cucurbitaceous crops	Assessment	HOV	Bottle guard	Irrigated Mid-land	4	293	438	104652	177211	Foliar application of 25 ppm boric acid along with 1 % urea as the adjuvant, applied three times ( 8 leaf stage, 25 days after planting to flowering 45 days)
Bilaspur	2013-14	Rabi	Low market price	Assessment of Date of Planting (DOP) of	Assessment	HOO	Chrysanthemum	Irrigated Mid-land	4	90	98	310000	484000	Date of planting of chrysanthemum in second week of

				Chrysanthemum											October will get higher market price at Bilaspur District.
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## 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> )
Bilaspur	Assessment of Chemicals against leaf blast of Rice	Percent disease index	73.62	16.43	18000	20425		32383	46675		14383	26250		1:1.79	1:2.28	
	Assessment of Trichoderma & Rhizobium culture as seed & soil treatment against wilt complex of Chickpea	Disease incidence/sq.m	18.56	8.23	8400	8800		17780	19290		9380	10490		1:2.11	1:2.19	
	Assessment of Chemical against Blight management of Tomato	Disease Severity/sq.m	60.25	17.23	48000	61000		112500	172500		64500	111500		1:2.34	1:2.82	
	Assessment of Bio-agents against Vegetables Nursery diseases	Percentage of Seedlings Stands	41.5	79.25	7000	7110	-	-	-	-	-	-	-	-	-	-
	Assessment of Rice based cropping system under limited (one)irrigation during Rabi.	No. of effective tillers/sq.m	280	345	18000	19500		41250	47500		23250	28000		1:1.5	1:2.4	
	Assessment of	No. of effective	300	440	18500	20000		42500	50400		24000	30400		1:2.3	1:2.5	

	the performance of green manure in Rice	tillers/sq.m														
	Assessment of Rice based cropping system under limited (one)irrigation during Rabi.	No. of flowers/plant& no. of seeds/flower	3/22.1	6/29.7	5600	6200		8680	11760		3080	5560		1:1.5	1:1.8	
	Assessment of improved variety of wheat Var GW366	No. of effective tillers/sq.m	200/m <sup>2</sup>	330/m <sup>2</sup>	7000	8700		11610	16740		4610	8040		1:1.7	1:1.9	
	Assessment of application of boron increased the productivity of cucurbitaceous crops	a. No. of fruits per plant b. Weight of fruits per kg.	5 0.880	7 0.940	42000	42100		146652	219311		104652	177211		1:3.5	1:5.2	
	Assessment of Date of Planting (DOP)of Chrysanthemum	Market Price Rs. Per KG	40	50-200	50000	55000		360000	539000		310000	484000		7.2	9.8	

### 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
Bilaspur	2013-14	Kharif	Malnutrition in pre school children	Assessment of protein rich nutritious food item against malnutrition in pre school going children 3-5 years	Assessment	WOE	3-5 year pre school children were selected for OFT	Product (25 gm wheat flour, 25 gm Rice flour, 25 soya flour, 100 gm of Jaggari all mix together and prepare <i>Laddu</i> )		10	50 Chickpea protin rich product given per day

Bilaspur	2013-14	Kharif	Iron deficiency among adolescent children	Assessment of Iron rich supplementary food in the diet of Adolescent girl (11-15 yr. old) against Iron deficiency	Assessment	WOE	11-15 years adolescent girl	Product		10	100 gm iron rich product
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## 2.4 Economic Performance Home Science OFT:

KVK name	OFT Title	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			
Bilaspur	Assessment of protein rich nutritious food item against malnutrition in pre school going children 3-5 years																							
Bilaspur	Assessment of Iron rich supplementary food in the diet of Adolescent girl (11-15 yr. old) against Iron deficiency																							

## 2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Bilaspur	Farmer's reaction was positive towards technology taken in On farm trials.
	Farmers are impressed for Mushroom production, needs to identify and cultivation technology of Medicinal mushrooms which we help to develop human health and income generation.
	Insect and disease is major problem in crop production required to develop eco-friendly management and research on indigenous management technology of pest.
	Study on effect of lotus stem in the diet of adolescent girl

## 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
Bilaspur	Pigeon Pea	Variatal Assessment	Use of Culture, Improved variety	Training and Demonstration	10	80	250
Bilaspur	Sesame	Variatal Assessment	improved variety	Training and Demonstration	6	40	50
Bilaspur	Rice	Variatal Assessment	SRI method	Training and Demonstration	20	150	350
Bilaspur	Chickpea	Variatal Assessment	Line sowing, seed treatment	Training and Demonstration	33	480	558
Bilaspur	Mustard	Variatal Assessment	Line sowing, seed treatment	Training and Demonstration	5	72	208
Bilaspur	Chickpea	Plant Protection	Application of <i>Trichoderma</i> and <i>Rhizobium</i> as seed dresser	Training and Demonstration	8	83	126
Bilaspur	Nutrition Garden	Nutritional Security	improved variety, Seed treatment	Training and Demonstration	2	20	2

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 Rice, 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) / Entrep - No.	Results (q/ha)		% change	No. of farmers				
								FP (T <sub>1</sub> )	RP (T <sub>2</sub> )		SC	ST	Others	General	Total
Bilaspur	2013-14	Kharif	PLP	Use of Chemical	Rice/Swarna	Seed Treatment & Foliar Application of Tricyclazole Fungicides against Blast	5	26.4	37.26	41.13			10	5	15
Bilaspur	2013-14	Rabi	PLP	Use of Culture	Chickpea	Seed treatment by <i>Trichoderma</i> & <i>Rhizobium</i>	5	4.16	5.34	28.36		14			14
Bilaspur	2013-14	Kharif	SRI	Varietal Assesment	Rice	Karmamasuri	5	36	45	32.35		13			13
Bilaspur	2013-14	Kharif	Crop Production	Varietal Assesment	Sesame	TKG-307	5	4.1	5.6	36.5	1	13			14
Bilaspur	2013-14	Kharif	Crop Production	Weed management (TSP)	Rice	TransplantedMTU1010/IR64, weedicide Bispyribac sodium 10% 20-25 DAT	20	30	38	26.6		50			50
Bilaspur	2013-14	Kharif	Crop Production	Nutrient management (TSP STCR)	Rice	TransplantedMTU1010/IR64+weedicide+fertilizer based on soil test	4	37.45	43.75	16.8		10			10
Bilaspur	2013-14	Kharif	Crop Production	Varietal Assesment	Pegionpea	Rajeev Lochan	5	7.1	8.5	19.7	3	7	1	6	15
Bilaspur	2013-14	Rabi	Crop Production	Varietal Assesment	Chickpea	Jaki-9218	5	4.8	7	45.8	4	12	2		19
Bilaspur	2013-14	Rabi	Crop Production	Varietal Assesment	Safflower	JSI-7	5	3.6	4.5	25	11	6	1		18
Bilaspur	2013-14	Rabi	Crop Production	weed management	Onion	Pendimethalin @ 2.5 lt./ha + One Hand Weeding 30DAP	2	230	256				10		10

### 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> )
Bilaspur	Use of Chemical	Rice/Swarna	Per-Cent Disease index	62.5	18.52	18000	20425	34584	48810	16584	28385	1:1.92	1:2.38

Bilaspur	Use of Culture	Chickpea	Disease incidence /sq.m	23.15	8.63	8400	8800	12480	16020	4080	7220	1:1.48	1:1.82
Bilaspur	Varietal Assesment	Rice	No.of effective tillers/plant/m <sup>2</sup>	330	410	16000	18000	42500	56250	26,500	38250	2.6	1:3.0
Bilaspur	Varietal Assesment	Sesame	No. of pods/plant/m <sup>2</sup>	65.1	82.6	5600	7000	11275	15400	5675	8400	1:2.0	1:2.2
Bilaspur	Weed management(TSP)	Rice	No.of effective tillers/plant/m <sup>2</sup>	310	395	16000	19000	37500	47500	21500	28500	1:2.3	1:2.5
Bilaspur	Nutrient management(TSP STCR)	Rice	No.of effective tillers/plant/m <sup>2</sup>	326	397.6	16600	19000	46812.5	54687.5	30212.5	34787.5	1:2.8	1:2.9
Bilaspur	Varietal Assesment	Piegon Pea	No. of pods/plant	138	156	6300	7000	22720	27200	16420	20200	1:3.6	1:3.8
Bilaspur	Varietal Assesment	Chickpea	No. of pods/plant	49.5	68.9	6400	7600	14400	21000	8000	13400	1:2.2	1:2.8
Bilaspur	Varietal Assesment	Safflower	No. of flowers/plant and No. of seeds per plant	3/20.12	7/26.4	5600	5800	10080	12600	4480	9800	1:1.8	1:2.1
Bilaspur	weed management	Onion	Market Price/Kg	5	7	26000	26500	115000	179200	115000	179200	1:4.4	1:6.7

### 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/Entreprizes	Farming Situation	Proposed area (ha)	No. of Beneficiaries
Bilaspur	2013-14	Kharif	Nutritional Security	Malnutrition among farm family	Improved seed, proper layout, seed treatment	Kitchen garden		Back yard	0.2	10
						Brinjal	Mukta Keshi	Back yard	30 sq.m	10
						Tomato	Pusa Rubi	Back yard	30 sq.m	10
						Chilli	Japani Laungi	Back yard	30 sq.m	10
						Pumpkin	Sona Gold	Back yard	30 sq.m	10
						Smoothguard	Rekha	Back yard	30 sq.m	10



						Cucumber	Green long	Back yard	30 sq.m	10
						Okra	Super Gold	Back yard	30 sq.m	10
						Bitterguard	Swasti	Back yard	30 sq.m	10
Bilaspur	2013-14	Rabi	Income generation	Poor income of farm family	Mushroom production technology	Mushroom production	Plurotus florida			30

### 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		
Bilaspur	Production technology for fresh vegetables for farm family against Malnutrition																						
												147 q/ha	150 q/ha					14700	15000				
												136 q/ha	140 q/ha					13600	14000				
												23 q/ha	28 q/ha					2300	2800				
												238 q/ha	254 q/ha					23800	25400				
												68 q/ha	71 q/ha					6800	7100				
												62 q/ha	69 q/ha					6200	6900				
												73 q/ha	80 q/ha					7300	8000				
												71 q/ha	76 q/ha					7100	7600				
Bilaspur	Mushroom production technology												105 kg.			3395/-			105		7105/-	7105	3.092

### 3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Bilaspur	Rice	Training and Method demonstration	2	70	
Bilaspur	Pigeon Pea	Training and Method demonstration	2	20	
Bilaspur	Sesame	Training and Method demonstration	1	16	
Bilaspur	Safflower	Training and Method demonstration	2	21	
Bilaspur	Chick Pea	Training and Method demonstration	3	41	
Bilaspur	Mushroom	Training and Method demonstration	1	23	
Bilaspur	Nutritional Garden	Training and Method demonstration	1	21	
Bilaspur	Chickpea	Training and Method demonstration	1	22	

### 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.
1	Bilaspur	Nil				

## 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
Bilaspur	Seed & Soil treatment by <i>Trichoderma viride</i> @10gm /kg of seed & FYM in Vegetables Nursery Disease Management	Method demonstration	OFT	Effective adoption
	Seed treatment by <i>Trichoderma viride</i> @10gm /kg & soil treatment by 1.5 kg of <i>T. viride</i> during field preparation for Chickpea Wilt complex Disease Management	Method demonstration	OFT & FLD	Effective adoption
	Improved varieties of Pigeonpea-Rajiv Lochan	Line Sowing	FLD	Effective adoption

	Improved varieties of Rice -Karma-Masuri	SRI	FLD	Effective adoption
	Improved varieties of Sesame - TKG-307	Line Sowing	FLD	Effective adoption
	Improved varieties of Chickpea-JAKI-9218	Line Sowing & Use of culture	FLD	Effective adoption

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

Name of KVK	Feedback basic of OFT on Technology Tested
Bilaspur	Compatibility Study regarding Fungicides & Insecticides in Rice crop
Bilaspur	Integration of Bio-agents & chemicals against Wilt complex of Chickpea
Bilaspur	Application of Green Manures in direct seeded rice (Brown Manuring)
Bilaspur	Application of Weedicides it's dose & identification of weeds
Bilaspur	Soil test based recommendation of fertilizers
Bilaspur	Best suited variety for onion used as a leafy vegetable.
Bilaspur	Different crop varieties suits to climate change for pulse
Bilaspur	Combination of organic & inorganic fertilizers
Bilaspur	Best suited variety for Bottleguard having specific characters like thin, long & seedless
Bilaspur	Suitable variety of Chrysanthamum named White decorative needs multiplication for fulfilment of further needs of farmer
Bilaspur	Need to be study on effect of amaranthus seed in the diet of adolescent girls

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

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. of participants involved
Bilaspur	Farmers Training	Personal interview	June 13 & Khargahana, Pipartari & KAYA	25
Bilaspur	Farmers Training	Group Discussion	08.01.2014 Marwahi	12
Bilaspur	Farmers Training	Group Discussion	27.12.2013 Nawgaon	23

#### 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
Bilaspur	FW	ONC	CRP	Training on SRI Technology	1	1	2	2	2	5	1	1	12	13
Bilaspur	FW	ONC	CRP	Importance of SRI Technology	1	1	4	-	-	-	-	-	3	-
Bilaspur	FW	ONC	WOE	Training on Preservation of Mango Products for SHG's	1	2	-	3	-	1	0	1	-	15
Bilaspur	FW	ONC	HOV	Nursery Management & Root Treatment	1	1	-	-	-	-	-	-	7	-
Bilaspur	FW	ONC	HOV	Nursery Management in Brinjal & Chilli	1	1	2	-	-	-	7	-	-	-
Bilaspur	FW	ONC	PLP	Seed treatment and Insect disease management in Rice Nursery	1	1	1	-	1	-	14	-	14	-
Bilaspur	FW	ONC	WOE	Preservation of Karonda for SHG's	1	2	-	-	-	1	-	-	-	16
Bilaspur	FW	ONC	WOE	Mushroom & Spawn Cultivation Technology	1	5	-	-	3	6	-	-	-	-
Bilaspur	FW	ONC	HOV	Training on Plant growth regulation and its practical utilisation	1	2	-	-	-	-	-	-	29	-
Bilaspur	FW	ONC	OTH	Pre FLD training on Chickpea	1	1	-	-	-	-	11	1	2	-
Bilaspur	FW	ONC	OTH	Pre FLD training on Safflower	1	1	3	-	-	-	6	-	-	-
Bilaspur	FW	ONC	OTH	Pre demonstration training	1	1	4	-	3	-	1	-	17	-

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
Bilaspur	FW	ONC	OTH	Pre FLD training on Safflower	1	1	-	-	11	-	-	-	1	-
Bilaspur	FW	ONC	PLP	Isolation, Purification, Pure culture, mother culture & Spawn production Technology	1	3	1	2	1	1	-	-	4	-
Bilaspur	FW	ONC	PLP	Mushroom & Spawn Production Technology	1	3	-	3	-	-	-	-	2	7
Bilaspur	FW	ONC	CRP	Training on organic cultivation	1	1	3	-	-	-	39	-	11	-
Bilaspur	FW	ONC	OTH	Farmer's training under Agriculture extension reforma (ATMA)	1	5	2	-	-	-	6	-	13	-
Bilaspur	FW	ONC	OTH	Training on ATMA	1	1	3	-	6	-	6	-	4	-
Bilaspur	FW	ONC	OTH	Krishak Vaigyanic Parisanwad	1	1	7	-	-	-	12	-	13	-
Bilaspur	FW	ONC	OTH	Krishak Vaigyanic Parisanwad	1	1	3	2	14	1	15	-	15	-
Bilaspur	FW	ONC	OTH	Exposer Visit	1	1	1	-	-	-	33	-	10	-
Bilaspur	FW	ONC	OTH	Exposer Visit	1	1	1	-	9	-	13	-	14	-
Bilaspur	FW	ONC	HOV	Poshak Tatvon ka prabandhan	1	1	1	-	4	-	13	-	9	-
Bilaspur	FW	OFC	CRP	Importance of Summer ploughing	2	2	4	-	-	-	24	-	10	-
Bilaspur	FW	OFC	PLP	Identification of Important disease , insect of summer rice & its integrated management	1	1	-	-	12	1	-	-	-	-
Bilaspur	FW	OFC	WOE	Health care in summer season	1	1	-	-	-	23	-	-	-	-
Bilaspur	FW	OFC	WOE	Safe drinking water in Summer	1	1	-	-	-	-	3	9	-	-
Bilaspur	FW	OFC	OTH	Awarness for Summer ploughing	1	1	-	-	10	-	-	-	-	-

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
Bilaspur	FW	OFC	WOE	Training on preparation of kitchen garden	3	3	-	-	-	11	-	25	-	-
Bilaspur	FW	OFC	CRP	Pre FLD training on SRI method	1	1	-	-	-	-	18	-	1	-
Bilaspur	FW	OFC	CRP	Pre FLD training on Pigeonpea & Sesame	1	1	-	-	1	-	15	-	-	-
Bilaspur	FW	OFC	WOE	Awariness for well nutrition	1	1	-	-	-	-	-	-	-	18
Bilaspur	FW	OFC	OTH	Pre FLD training on Pigeonpea	1	1	-	-	-	-	-	-	5	-
Bilaspur	FW	OFC	CRP	Pre FLD training on soil testing under STCR	1	1	-	-	-	-	18	-	1	-
Bilaspur	FW	OFC	HOV	Training on importance of minor element in vegetable and its use	1	1	-	-	-	-	-	-	36	-
Bilaspur	FW	OFC	HOV	Training on importance and preparation of zero energy cool chamber	1	1	1	-	-	6	-	-	27	-
Bilaspur	FW	OFC	PLP	Identification of Important disease & insect of Kharif rice & integrated management	1	1	-	-	18	-	-	-	-	-
Bilaspur	FW	OFC	WOE	Training on important aspect of balance nutrition for farm woman	1	1	-	-	-	-	-	5	-	15
Bilaspur	FW	OFC	PLP	Identification of important disease of vegetables and management	1	1	-	-	3	3	-	-	-	-
Bilaspur	FW	OFC	PLP	Identification of important diseases , insect of kharif crop & integrated management	1	1	-	-	3	-	-	-	30	-
Bilaspur	FW	OFC	CRP	Balanced fertilizer management in soil under STCR	1	1	-	-	-	-	15	-	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
Bilaspur	FW	OFC	WOE	Awareness among farm women about malnutrition	1	1	-	-	-	-	-	-	-	16
Bilaspur	FW	OFC	PLP	Identification and management of Kharif Rice and vegetable disease & insect	1	1	10	-	-	-	-	-	11	-
Bilaspur	FW	OFC	WOE	Prevention of malnutrition through supplementary Food for pre school children	1	1	-	-	-	-	-	-	-	18
Bilaspur	FW	OFC	HOV	Production technology for Rabi vegetable	1	1	-	-	-	-	-	-	21	-
Bilaspur	FW	OFC	OTH	Capacity building of farmers	1	1	2	-	7	1	1	-	6	-
Bilaspur	FW	OFC	CRP	Lathyrus production technology and Rice harvesting	1	1	-	-	3	-	-	-	22	-
Bilaspur	FW	OFC	OTH	Capacity building of farmers club	1	1	-	-	-	-	16	-	-	-
Bilaspur	FW	OFC	OTH	Method demonstration of bio fertilizers in Chickpea	1	1	-	-	-	-	13	-	-	-
Bilaspur	FW	OFC	OTH	Method demonstration on bio fertilizer in Rabi Oilseed & Pulses	1	1	1	-	-	-	13	-	-	-
Bilaspur	FW	OFC	PLP	Mushroom Production technology	1	2	4	-	-	-	8	-	14	-
Bilaspur	FW	OFC	WOE	Health care in winter season	1	1	-	-	2	-	1	-	7	-
Bilaspur	FW	OFC	WOE	Mushroom Production technology	1	2	-	-	-	22	-	-	-	1
Bilaspur	FW	OFC	HOV	Roll of micronutrient in Onion cultivation	1	1	-	-	-	-	-	-	13	-
Bilaspur	FW	OFC	CRP	NCFL farmer training	1	1	-	-	47	-	2	-	2	-



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
Bilaspur	FW	OFC	WOE	Prevention of nutrients loss in foods during cooking process	1	1	-	-	-	-	-	-	-	21
Bilaspur	FW	OFC	PLP	Mushroom spawn Production technology	1	1	-	-	-	-	3	-	9	-
Bilaspur	FW	OFC	HOV	Training on weed management in Onion	1	1	-	-	-	-	-	-	23	-
Bilaspur	FW	OFC	WOE	Vaccination among children	1	1	-	-	-	15	-	-	-	-
Bilaspur	FW	OFC	WOE	Preservation of fruits and vegetables	2	2	-	3	-	-	-	-	1	36
Bilaspur	FW	OFC	OTH	Current advice in Rabi crop	1	1	-	-	12	1	-	-	2	-
Bilaspur	FW	OFC	PLP	Identificatin of important disease & insect of Chick pea & integrated management	1	1	-	-	-	-	15	3	4	-
Bilaspur	FW	OFC	PLP	Identification of important disease of Wheat crop	1	1	-	-	13	-	-	-	-	-
Bilaspur	FW	OFC	WOE	Roll of Iron in human body and symptoms of Anaemia	1	1	-	-	-	9	-	-	-	-
Bilaspur	FW	OFC	WOE	Assesment of effect of Iron rich food among adolescent girls (11-15 yr) suffering from Anaemia	1	1	-	-	-	10	-	-	-	-
Bilaspur	FW	OFC	OTH	Training on Jaivik Kheti	1	1	-	-	-	-	-	-	7	-
Bilaspur	FW	OFC	WOE	Symtoms of Anaemia & dietary source of Iron	1	1	-	-	-	15	-	-	-	-
Bilaspur	FW	OFC	HOV	Weed management in onion and comprative discussion on its production aspects	1	1	-	-	-	-	-	-	7	-

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
Bilaspur	FW	OFC	WOE	Deficiency of Iron and menu plan	1	1	-	-	-	6	-	-	-	-

**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	
Bilaspur	Training on Mushroom Cultivation & Spawn production Technology	Mushroom	Unemployment/Income generation	5	-	-	3	6	-	-	-	-	-
Bilaspur	Training on Mushroom Cultivation & Spawn production Technology	Mushroom	Unemployment/Income generation	3	-	3	-	-	-	-	3	6	

**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	
Bilaspur	Nil				

**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		
Bilaspur	Mushroom Cultivation and spawn production technology	PLP	Mushroom Cultivation	FW and RY	7	1	-	-	-	-	-	-	9	21	TSP-ICAR	439000

Bilaspur	Lac cultivation	PLP	Lac Cultivation	FW and RY	7	1	-	-	-	-	-	-	4	26	TSP-ICAR	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	8	-	14	-	14	-	4	-	RKVY	444000
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	4	-	21	1	14	-	5	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	1	-	14	-	9	-	2	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	7	-	3	-	12	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	4	-	-	-	22	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	-	-	17	-	10	-	2	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	14	-	14	-	2	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	6	-	20	-	13	1	1	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	6	-	8	-	25	1	-	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	5	-	28	-	9	-	2	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	11	-	2	-	7	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	6	-	21	-	10	-	13	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	4	-	24	-	20	-	5	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	15	-	8	1	12	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	5	2	8	-	15	1	2	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	15	2	-	-	30	2	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	28	1	7	-	4	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	22	-	7	-	4	-	RKVY	

Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	3	-	-	-	22	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	21	-	11	-	2	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	6	-	8	-	17	1	-	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	12	-	17	-	10	-	3	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	6	-	5	-	18	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	1	5	-	10	-	14	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	5	-	26	3	8	-	3	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	1	-	17	1	8	-	3	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	6	-	2	-	17	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	1	-	11	1	-	-	20	1	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	1	-	14	-	13	-	3	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	11	-	11	-	3	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	2	-	6	-	2	-	9	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	3	-	5	-	13	-	4	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	4	-	17	-	14	-	4	-	RKVY	
Bilaspur	Krishak Sangwari	CRP/PLP	Timely advice	FW	1	1	8	-	31	-	12	-	4	-	RKVY	

**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		
Bilaspur	Nil															

**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	
Bilaspur	Nil								

## 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			
Bilaspur	Field Day		3	58	27	105	-	16	6	Dissemination of Technology	Weed control & fertilizer management in Rice, FAIPP, SRI	Tillering stage
Bilaspur	Kisan Mela		1	109	80	174	110	16	4	Dissemination of Technology	Various issues related to production technology	harvesting stage
Bilaspur	Kisan Ghosthi		23	136	15	205	12	5	4	Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Exhibition		6	Mass								
Bilaspur	Film Show		38	631	10	605	7	68	3	Dissemination of Technology	Various issues related to production & protection technology	Tillering Stage
Bilaspur	Method Demonstrations		32	251	56	136	10	16	2	Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Farmers Seminar		-	-	-	-	-	-	-	-	-	-
Bilaspur	Workshop		12	-	-	-	-	144	26	Preparation of lesson plan & feed back of farmer's problems	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Group meetings		51	431	181	180	205	18	3	Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Lectures delivered as resource persons		34	631	10	605	7	68	3	Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Newspaper coverage		48	Mass						Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop

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			
Bilaspur	Radio talks		21	Mass						Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	TV talks		-									
Bilaspur	Popular articles		33	Mass						Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Extension Literature		10	Mass						Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Farm advisory Services	-	64	Mass						Dissemination of Technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Scientific visit to farmers field	-	132	Mass						To solve the field problems	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Farmers visit to KVK	-	150	Mass						awareness of technology	Various issues related to production & protection technology	Different stage of crop
Bilaspur	Diagnostic visits	-	8	65	7	51	13	28	18	Integrated management	Identification of Disease, insect & Management techniques	Different stage of crop
Bilaspur	Exposure visits	1	1	13	-	37	-	3	1	Field visit	Organic cultivation	Physical maturity
Bilaspur	Ex-trainees Sammelan	-	-	-	-	-						
Bilaspur	Soil health Camp	-	1	26	4	30	-			Soil health management	Summer ploughing and soil testing	Summer and fallow season
Bilaspur	Animal Health Camp	-	1	-	-	20	-	10	-	Vaccination of animals	Vaccination of animals	Kharif and Rabi season
Bilaspur	Agri mobile clinic	-	-	-	-	-						
Bilaspur	Soil test campaigns	-	5	Mass								

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			
Bilaspur	Farm Science Club conveners meet	–	2	–	–	–	23	–	–			
Bilaspur	Self Help Group conveners meetings	–	2	–	26		19					
Bilaspur	Mahila Mandals conveners meetings	–	2		21		13					
Bilaspur	Celebration of important days (World environment day)	1	1	7	1	23	6	3	2	Awareness	Environment	
Bilaspur	Celebration of important days (Parthenium Awareness day)	1	1	2	2	25	2	3	3	Awareness	Parthenium	
Bilaspur	Celebration of important days (National Nutrition Week)	5	5	7	98	7	74	10	15	Awareness	Nutrition	

## 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
Bilaspur	March 1999	Quarterly (Indira Kisan Mitan)	500 quarterly	500

### 2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies
Bilaspur	Popular Article	SRI Technology for Rice cultivation	Smt. Shilpa Kaushik, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Pure drinking water for rainy season	Dr. Kiran Gupta, Smt. Nivedita Pathak	500
Bilaspur	Popular Article	Package of practices for Kharif vegetables	Sh. Devendra Upadhyay	500
Bilaspur	Popular Article	Disease and insect management of rice	Sh. Vinod Kumar Nirmalkar	500
Bilaspur	Popular Article	Tips for protection of health & disease in rainy season	Smt. Nivedita Pathak, Dr. Kiran Gupta, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Timely advice to the farmers	Dr. D.K. Sharma	500
Bilaspur	Popular Article	Package of practices for summer vegetables	Sh. Devendra Upadhyay, Dr. R.N. Sharma, Dr. Kiran Gupta	500
Bilaspur	Popular Article	Rice nursery management	Smt. Shilpa Kaushik, Ku. Samrath Bedi, Sh. Vinod Nirmalkar	500
Bilaspur	Popular Article	Preparation of Mango Achar & Murabba	Dr. Kiran Gupta, Smt. Nivedita Pathak, Dr. R.N. Sharma, Sh. Devendra Upadhyay	500
Bilaspur	Popular Article	Timely advice to the farmers	Dr. D.K. Sharma	500



Bilaspur	Popular Article	Preservative product of Amla	Dr. Kiran Gupta, Smt. Nivedita Pathak, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Package of practice for rabi vegetables	Sh. Devendra Upadhyay, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Useful harvesting agriculture implement	Er. U.K. Dhruw, Dr. D.K. Sharma	500
Bilaspur	Popular Article	Higher production technology for rabi crops	Smt. Shilpa Kaushik, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Advantage of seed treatment for disease management	Sh. Vinod Nirmalkar, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Improved technology for utera cultivation	Dr. Vinamrata Jain, Dr. D.K. Sharma	500
Bilaspur	Popular Article	Timely advice to the farmers	Dr. D.K. Sharma	500
Bilaspur	Popular Article	Water management in Wheat crop	Dr. D.K. Sharma, Smt. Shilpa Kaushik, Dr. R.N. Sharma	500
Bilaspur	Popular Article	Suggesion for Safe grain storage	Dr. Kiran Gupta, Smt. Nivedita Pathak, Dr. D.K. Sharma	500
Bilaspur	Popular Article	Production technology of summer maize	Smt. Shilpa Kaushik, Dr. R.N. Sharma, Dr. D.K. Sharma	500
Bilaspur	Popular Article	important diseases & their management of Rabi crop	Sh. Vinod Kumar Nirmalkar, Dr. R.N. Sharma, Sh. Devendra Upadhyay	500
Bilaspur	Popular Article	Tomato Pickel	Smt. Nivedita Pathak, Dr. Kiran Gupta	500
Bilaspur	Popular Article	Timely advice to the farmers	Dr. D.K. Sharma	500
Bilaspur	Popular Article	Success of wheat seed production programme in farmers field	Dr. D.K. Sharma, Smt. Shilpa Kaushik & Dr. R.N. Sharma	500
Bilaspur	Popular Article	Adoption story of SRI method of Chhattisgarh farmers	Dr. D.K. Sharma	
Bilaspur	Popular Article	NICRA help my daughter for higher education	Dr. D.K. Sharma	
Bilaspur	Popular Article	Jagriti Krishak Club is awarded through Adoptin of SRI method	Dr. D.K. Sharma	
Bilaspur	Popular Article	Soybean ke Pramukh Rog evam Prabandhan	Sh. Vinod Kumar Nirmalkar, Dr. D.K. Sharma and Dr. R.N. Sharma	Mass
Bilaspur	Study course material	Diseases of Horticultural crops and their management (APP 222)	Dr. R.K.S. Tiwari, Dr. Ajit Kumar Singh, Sh. Vinod Kumar Nirmalkar and Dr. C.R. Gupta	1000
Bilaspur	Poster	Crop weather calender of Rice crop for Raipur	Dr. J. L. Chaudhry, Praveen Kumar Verma, Vinod Nirmalkar and others	
Bilaspur	Bulletin	Mushroom ki kheti	Sh. Vinod Kumar Nirmalkar, Dr. R.N. Sharma and others	100
Bilaspur	Bulletin	Spawn Utpadan takniki	Sh. Vinod Kumar Nirmalkar, Dr. R.N. Sharma and others	100
Bilaspur	Bulletin	Lac Utpadan takniki	Sh. Vinod Kumar Nirmalkar, Dr. R.N. Sharma and others	100
Bilaspur	Book	Kharpatwar ke aushadhiy gun	Smt. Shilpa Kaushik, Dr. R.N. Sharma and Smt. Nivedita Pathak	1000
Bilaspur	Bulletin	Kharpatwar ke faslon me prabhav	Smt. Shilpa Kaushik, Dr. R.N. Sharma and Sh. Devendra Upadhyay	500
Bilaspur	Bulletin	Jaivik Kheti ka mahatwa	Smt. Shilpa Kaushik, Dr. R.N. Sharma and Dr. D.K. Sharma	500

Bilaspur	Bulletin	Kalongi ki kheti	Smt. Shilpa Kaushik, Dr. R.N. Sharma	500
Bilaspur	Bulletin	Kalongi ke vyanjan evam aushadiy mahatwa	Smt. Nivedita Pathak, Dr. R.N. Sharma, Dr. Kiran Gupta, Smt. Shilpa Kaushik	500
Bilaspur	Bulletin	Prakritik rang ki kheti evam upyog	Sh. Devendra Upadhyay, Smt. Nivedita Pathak, Dr. R.N. Sharma, Dr. Kiran Gupta, Smt. Shilpa Kaushik	500
Bilaspur	Reseach Paper	Impact of Conoweeder in SRI at Khargahana Village	Smt. Shilpa Kaushik, Dr. R.N. Sharma & N.Pathak	-
Bilaspur	Research Paper	Assessment of antagonistic microorganism against wilt complex of Chick pea through seed and soil treatment	Vinod K.Nirmalkar Dr. R.K.S.Tiwari & Dr. R.N.Sharma,	-
Bilaspur	Poster presentation	New Source of edible, medicinal & antioxidant activities mushroom: Rhizopogon sp. (Boda or sarai Mushroom) from Bilaspur district of Chhattisgarh”	Vinod K.Nirmalkar, Dr. Praveen Verma & Dr. R.N.Sharma,	-
Bilaspur	Poster presentation	Availability and market value of Boda or sarai ( <i>Rhizopogon sp.</i> ) Mushroom in Bilaspur district of Chhattisgarh	Vinod K.Nirmalkar, Dr. Praveen Verma & Dr. R.N.Sharma	-
Bilaspur	Paper Published	Crop loan and borrowers technology adoption behaviors in Bilaspur district of Chhattisgarh	Dr. D.K. Sharma, Dr. O.K. Tiwari	-
Bilaspur	Paper Published	Constraints in adoption of improved technology in Paddy cultivation in Bilaspur district of Chhattisgarh	Dr. D.K. Sharma, Dr. O.K. Tiwari	-
Bilaspur	Paper Published	Improved technology in Rice cultivation by the borrowers	Dr. D.K. Sharma, Dr. O.K. Tiwari	-
Bilaspur	Paper Published	Utilization, diversion and recovery of crop loan by the borrowers of Bilaspur district of Chhattisgarh	Dr. D.K. Sharma, Dr. O.K. Tiwari	-
Bilaspur	Paper Published	Adolescent age of change	Smt. Nivedita Pathak, Dr. Jyoti Ravi Tiwari	-
Bilaspur	Paper Published	Emotional Intelligence of Adolescent	Smt. Nivedita Pathak, Dr. Jyoti Ravi Tiwari	-
Bilaspur	Paper Published	Fruit juice and its nutritional importance	Smt. Nivedita Pathak, Dr. Kiran Gupta, Dr. R.N. Sharma	-
Bilaspur	Abstract Published	<i>Kalongi</i> Black seed important for human health	Smt. Nivedita Pathak, Dr. Kiran Gupta, Dr. R.N. Sharma	-
Bilaspur	Abstract Published	Importance of banking & KCC for farmers improve their living standard	Dr. Jyoti Ravi Tiwari, Smt. Nivedita Pathak	-

### 7.3 Details of Electronic Media Produced

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

## 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.)
Bilaspur	Cereals	Rice	Durgeshwari	219	405150	Mass	Seed corporation
Bilaspur	Cereals	Wheat	GW-273	50	65000		

### 8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Bilaspur	Flower	Chrysanthemum	White decorative	800	3	4	0.2

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

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.)
Bilaspur	Mushroom Cultivation unit	Fresh Mushroom	15.1	-	1208	30	-
Bilaspur	Spawn production unit	Commercial Spawn	114.25	457	6855	29	Used in 1145 Kg of dry straw
Bilaspur	Spawn production unit	Mother Spawn	5.5	22	1650	6	For preparation of 660 packets of Spawn
Bilaspur	Spawn production unit	Pure Culture	-	2	300	1	For Preparation of mother spawn
Bilaspur	Vegetables	Okra	255	-	3100	43	

Bilaspur	Vegetables	Bottleguard	276	-	1410	51	
Bilaspur	Vegetables	Elephantfoot yam	45	-	1350	10	
Bilaspur	Vegetables	Potato	83	-	730	20	

#### 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
Bilaspur	Cow	HF	Milk	13870	346750	Mass
Bilaspur	Fish	Rohu, Katla	Fish	30 kg.	3000	16

### 9. Activities of Soil and Water Testing Laboratory

#### 9.1 Details of soil samples analyzed so far :

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)
Bilaspur	2006	2006	Started working from 2012	101	128	12	2600	30

#### 9.2 Details of water samples analyzed so far :

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)
Bilaspur	Nil	~						

### 10. Rainwater Harvesting

#### 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
Bilaspur	Nil									

### 11. Utilization of Farmers Hostel facilities

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)
Bilaspur	July	2013	ATMA	2	2	26	Bilaspur	July
Bilaspur	February	2014	ATMA	5	20	4	Bilaspur	February
Bilaspur	March	2014	ATMA	1	15	1	Bilaspur	March
Bilaspur	March	2014	ATMA	1	10	1	Bilaspur	March
Bilaspur	March	2014	ATMA	1	10	1	Bilaspur	March
Bilaspur	March	2014	ATMA	1	10	1	Bilaspur	March
Bilaspur	March	2014	ATMA	1	30	1	Bilaspur	March

### 12. Utilization of Staff Quarters facilities

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

### 13. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Bilaspur	26.06.2013	36	Conduct Impact study of SRI in Bilaspur district.
			OFT conducted in leading crop of district.
			More emphasis of value addition of Karonda

### 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.		
Bilaspur	66	1011	41	KVK, Farmers Portal	Crop production technology, Plant Protection, Fruit & vegetable production, preservation, livestock management, poultry, climate informatin etc.

## 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
Bilaspur	ATMA	Central	316543	Technical advice	Bilaspur district	
Bilaspur	RKVY ( <i>Krishak Sangawari</i> )	Central	444000	Training (Timely Advice)	Bilaspur & Mungeli	
Bilaspur	TSP (Vocational Training)	Central	439000	Training and demonstration	Marwahi Block	
Bilaspur	NICRA	Central	609770	Technical advice, Training and demonstration etc.	Khargahna (Kota)	
Bilaspur	STCR (FLD)	Central	35000	Training and demonstration	Sonbachharar (Pendra)	
Bilaspur	TSP (Weed Control)	Central	95000	Training and demonstration	Nawagaon (Pendra)	
Bilaspur	SCP	Central	385000	Implement shed	KVK	

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

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Bilaspur	10190926639	125828	416812	416812

## 17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Bilaspur	Outstanding contribution in National Krishi Vigyan Mela			
	Dr. R.N. Sharma	Individual	IGAU,Raipur	Appreciation
	Dr.D.K.Sharma	Individual	IGAU,Raipur	Appreciation
	Dr.Kiran Gupta	Individual	IGAU,Raipur	Appreciation
	Smt. Shilpa Kaushik	Individual	IGAU,Raipur	Appreciation
	Mr. Devendra Upadhyay	Individual	IGAU,Raipur	Appreciation
	Mr. Vinod Kumar Nirmalkar	Individual	IGAU,Raipur	Appreciation

## 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	Bilaspur	Nil	Nil

### b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
	Crop Cafeteria	Different crops i.e. Rice, Wheat, Mustard, Chickpea, Mushroom
	Technology Desk	Different Publication for Dissemination of Technology
	Visitors Gallery	Mushroom & Spawn, Dairy, Vegetables, Agroforestry, Fishery, Bio-fertilizer production unit etc.
	Technology Exhibition	Through Kisan Mela, Gosthi, Kisan Diwas, Group Discussion
	Technology Gate-Valve	

### c). Crop Cafeteria-

KVK Name	Theme of Crop Cafeteria	No. of Crop Cafeteria
Bilaspur	Dissemination of Local scented Rice varieties	1
	Dissemination of Wheat Varieties	1
	Dissemination of Chickpea	1
	Dissemination of Medicinal Plants	1
	Dissemination of Ornamental plants	1
	Dissemination of different Mushroom Strain	1

## 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	Bilaspur	Mr. Surendra Kashyap	Drip irrigation in vegetable	Sendri, 9827111083
2	Bilaspur	Shri Sangram Singh Paikra	SRI in Rice	Birgahni, 8461036474
3	Bilaspur	Shri Devnath Devagan	Integrated and organic Farming	Goband, 9098727759
4	Bilaspur	Shri Sanjay Dhurve	SRI in Rice	Bhaisajhar, 9669119897
5	Bilaspur	Shri Raghavendra Singh Chandel	Rice & Wheat Seed Production Cultivation	Masturi, 9827467991
6	Bilaspur	Shri Rakesh Kumar Kashyap	Flower production	Mangla, 9827158497
7	Bilaspur	Shri Bharat Chetral	Crop Diversification	Mopka, 8120101010
8	Bilaspur	Shri Ram Kumar Saini	Young Kheti	Puraina, 9406439856
9	Bilaspur	Mr. Avinash	Mushroom Production	Bilaspur-98279-44028
10	Bilaspur	Mr. Dharam Shrivastava	Mushroom & Spawn Production	Masturi, 8225820964

## 20. KVK interaction with progressive farmers

KVK Name	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
Bilaspur	25-May-13	2
Bilaspur	31-May-13	2
Bilaspur	27-Jun-13	7
Bilaspur	07-Dec-13	14
Bilaspur	25-Feb-14	22
Bilaspur	28-Feb-14	19
Bilaspur	01-Mar-14	79
Bilaspur	03-Mar-14	44
Bilaspur	06-Mar-14	37
Bilaspur	08-Mar-14	25
Bilaspur	10-Mar-14	7
Bilaspur	29-Mar-14	25

## 21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Bilaspur	7	10	923	1623

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, and 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
	Nil			



### 23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1	Bilaspur	Training and Demonstration	Experiences gain
2	Janjgir-Champa	Training and Demonstration	Experiences gain
3	Korba	Training and Demonstration	Taught lessons and knowledge sharing

### 24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Bilaspur	Dr. T.S.S.K.Patro	05-06-2013	ICAR			One of the most vibale and effective KVK doing yeomen services to the farmer.
Bilaspur	Dr Jakir Hussain	06-04-2013			Other	KVK has scientific environment
Bilaspur	Dr Matthew Prasad	20-06-2013		SAU		The work of KVK with local farmer is outstanding.
Bilaspur	Dr V.U.M.Rao	17-08-2013	ICAR			Good work initiated, preliminary results are encouragable.
Bilaspur	Dr.S.S.Tomar	04-09-2013		SAU		Working of KVK including NICRA Programe will be improved in future.
Bilaspur	Shri. A.V.Chauhan	28-10-2013			Other	It is Very Impressive to see that there so many types of Medicinal plants. Lots of efferts has done into developing units.
Bilaspur	Hon'ble Vice Chancellor Dr. S.K. Patil	29-01-2014		IGKV		Inauguration of KVK website
Bilaspur	Dr. J.S. Urkurkar, Dr. O.P. Kashyap, Dr. D.A. Sarnaik	29-01-2014		IGKV		Visit of KVK

### 25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1.	Bilaspur	09.01.2014	42	432

### 26. E-CONNECTIVITY

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			
Bilaspur	Nil						

**27. Status of RTI**

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

**28. Status of Citizen Charter**

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

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

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

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

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

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

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

**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
Bilaspur	Shri Vinod Kumar Nirmalkar	SMS (Plant Pathology)	2	Mushroom Cultivation & Spawn production technology, Orientation of Mushroom & Plant protection
Bilaspur	Smt. Shilpa Kaushik	SMS (Agronomy)	2	National training on Advances in Weed management, Plant variety, farmer's rights & security act

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Bilaspur	2	4

### 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
Bilaspur	Nil		

### 33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

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

### 34. INTERVENTIONS ON DROUGHT MITIGATION

#### Introduction of alternate crops/varieties

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

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

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Bilaspur	Nil		

#### Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Bilaspur	Nil		

#### Animal health camps organized

Name of KVK	Number of camps	No. of animals	No. of farmers
Bilaspur	1	210	30

#### Seed distribution in drought hit states

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

### Seedlings and Saplings distributed

Name of KVK	Crops	Quantity (No.s)	Coverage of area (ha)	Number of farmers
<b>Seedlings</b>				
Bilaspur	Chrysanthemum	800	0.2	4

### Bio-control Agents

Name of KVK	Bio-control Agents	Quantity (q)	Coverage of Area (ha)	No. of farmers
Bilaspur	<i>Trichoderma Viride</i>	0.15	12	39
Bilaspur	<i>Pseudomonas Fluorescens</i>	0.15	2	26

### Bio-Fertilizer

Name of KVK	Bio-Fertilizer	Quantity (kg)	Coverage of Area (ha)	No. of farmers
Bilaspur	<i>Rhizobium</i>	6.5	6.5	30

### Vermes Produced

Name of KVK	Vermes Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Bilaspur	Esinea sp.	0.3	2	10

### Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Bilaspur	Water saving Rice cultivation SRI technology	5	13
Bilaspur	Improve soil structure, increase aeration, reduces insect pest weeds and diseases through deep summer ploughing	8	20

### 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
Bilaspur	51	1018	23	377	3	212	1	583	6	Mass	38	1324
							2	Mass				

## 35. Proposal of NICRA

### 1. Technologies to be Demonstrated

Name of Technology	Name of Crop	Area (ha.)	Yield	% change in Yield	No. of farmers benefitted
Introducing flood / drought / temperature tolerant varieties	Rice Samleshwari	4	38	11.76	10
Advancement of planting dates of rabi crops in areas with terminal heat stress	Safflower JSI7	2	4	33.3	6
	Chickpea JAKI 9218	8	7.9	40	20
Water saving Rice cultivation methods (SRI, aerobic, direct seeding)	Rice SRI Durgeshwari For seed production +Green manure	8	40	14.28	24
Custom hiring centres for timely planting	Used of the Seed drill for line sowing of Wheat GW273	5	10.5	28	13
Preventive vaccination	Vaccination to livestock				
Management of fish ponds / tanks during water scarcity and excess water	Fish production	1			

### 2. Proposed Extension Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Bilaspur	Krishak Diwas	34	25	59

### 3. Proposed Training Activities in NICRA Village

Name of Activity	Number of Participants/Beneficiaries to be Covered			
	Farmers	Farm Women	Official	Total
Summer ploughing	20		2	22
Control of weeds and their control	15		2	17
Control of weeds by Conoweeder	15		3	18
Balanced application of fertilizer/	12	3	2	17
Preparation of nursery bed	8		2	10
Vegetables package & practices	12	4	3	19
Improving milk production by green fodder	8		2	10
Soil test based recommendation of fertilizer	16		2	18

Vermicompost	20	5	2	27
Importance of Kharif crops	14		4	18
Importance of seedlings	10		3	13
Repair management	5		2	7
Importance of Chickpea sowing by seed drill	7		2	9
Wheat sowing by seed drill	5		2	7
Maintenance of farm implements	9		2	11
Importance of storage	10	3	3	16
Production of Ginger & banana	7		3	10
Krishak Diwas	34	25	5	64
Mini Rice thresher	16		2	18
Malnutrition and value addition		50	4	54
Value addition		41	4	45

#### 4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status
Nil		

#### 5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status
2013	1 group	15 Q.

#### 6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit	Any Special Remark by Visitors
Dr. V.U.M. Rao	P.C. AICRPAM, CRIDA Hyderabad	17.08.2013	ZMC's visit was covered by local TV channels which is a sign of better liaisoning of KVK with media.
Dr. S.R. Patel	Dean, COA, Kanker	17.08.2013	
Dr. J.L. Chaudhry	Pl.Sci. IGKV, Raipur	17.08.2013	
Dr. S.S. Tomar	DES, RVSKVV, Gwalior	04.09.2013	
Dr. S.R.K. Singh	Pl.Sci. AE, ZPD, Jabalpur	04.09.2013	
Dr.K.L. Nandeha	Pl.Sci. Agro., DES, Raipur	04.09.2013	
Dr.D.S. Thakur	Pl.Sci. Soil Sci., COA, Jagdalpur	04.09.2013	
Dr. Dhananjay Kathal	R.A., ZPD Unit, Jabalpur	04.09.2013	

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

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

Nil

**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

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

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



**Preliminary Hb Test under OFT Women in Agriculture & Distribution of Iron Rich Laddoo**



**Assessment of *Trichoderma* & *Pseudomonas* against Nursery Disease Management in Brinjal & Tomato**



## OFT: Assessment of application of boron increased the productivity of Bottle guard



## OFT: Assessment of Date of Planting (DOP) of Chrysanthemum



## Assessment of Chemicals against Blast of Rice





Training and critical input distribution



*Sesbania* on farmers field



*Sesbania* on farmers field



Rice crop after *Sesbania* on field



Training & Critical input distribution



Rice medium to early duration variety MTU1010



Safflower Var. JSI 7 with one irrigation



## Frontline Demonstration in Oilseed & Pulses



## Frontline Demostration of Rice Var. Karmamasuri



## Frontline Demonstration in Safflower & Gram





**Training of farmers and input distribution**



**Treatment Plot**



**Control Plot**



**Training and critical input distribution.**



**Nursery bed preparation**



## Training Programme Under Krishak Sangawari & other





**TSP Training in Mushroom Cultivation & Spawn Production and Lac Cultivation**



## FLD: on weed Management in Onion





**Dignitary visited Mushroom Spawn Production Unit**



## Launching KVK Website

