ANNUAL PROGRESS REPORT

April 2016 to March 2017

Contents

REPORTING PERIOD – April 2016 to March 2017

Summary of KVK Annual Report (Quantifiable Achievement) for the year 2016-17

S.N.	Quantifiable Achievement	Number	Beneficiaries (nos.)	
1	**On Farm Testing**			
	Proposed OFT	**17**		80
	On Going OFT	**-**		-
	Technologies assessed (Completed OFT)	**17**		80
	Technologies refined	**-**		-
	On farm trials conducted	**17**		80
2	**Frontline demonstrations**			
	Proposed Frontline demonstrations	13		165
	On Going Frontline demonstrations	-		-
	FLDs conducted on crops	10		103
	Area under crops (ha.)	72		113
	FLD on farm implement and tools	1		32
	FLD on livestock/ AH enterprises (Dairy/ Sheep and Goat/Poultry/ Duckery/ Piggery etc.)	2		20
	FLD on Fisheries - Finger lings	-		-
	FLD on other enterprises (Bee keeping, lac, mushroom, sericulture, value addition, vermi compost, etc.)	-		-
	FLD on Women in Agriculture - (Nutritional garden, Income generation, Value addition, Drudgery reduction, etc.)	1		32
3	**Training programmes**	**No. of Course**	**Duration (days)**	**Participants**
	Farmers	84	1	2284
	Farm women	3	1	82
	Rural youth	8	1	284
	Extension personnel/ In service	2	2	120
	Vocational trainings	12	6 days,18 days	325
	Sponsored Training	10	6, 5, 2	335
	Total	119		3430
		No. of programmes	**Participants**	
4	**Extension Programmes**	455		10938
5	**Production of technology inputs etc**	**Qty**	**Beneficiaries (nos.)**	
	Seed (qt.)	396.94		921
	Planting material produced (nos.)	59300		272
6	**Livestock**	**Qty**	**Beneficiaries (nos.)**	
	Livestock strains (Nos)	7 calf 33 kid		400
	Milk Yield - Cow, Buffelo etc. (in liter)	5226		20
	Fish (Kg.)	-		-
	Fingerlings (nos.)	-		-
	Poultry-Eggs (nos.)	51129		-
	Ducks (nos.)	35		-
	Chicks etc. (nos.)	30761 kadaknath+ 85 duck		400

7	**Bio Products**	**Qty**	**Beneficiaries (nos.)**	
	Bio Agents -Earth worm (Kg.)	120	20	
	Trichoderma (kg.)			
	Bio Fertilizers- Vermi compost, Rhizobium, PSB , BGA , Mycorriza , Azotobacter , Azospirillum etc. (Kg.)			
	Bio Pesticide-Panchgavya, Neem Extract , Neem oil etc.(lit.)			
8	**Any other significant achievement in the Zone**	**Nos.**	**Participants/ beneficiaries**	
	Award (Best KVK award and scientist and farmer's award)	13	-	
	Publications (Res. Paper/ pop. Art./Bulletin,etc.)	-	-	
	KVK News letter	4	-	
	SAC Meetings conducted	2	30	
	Soil sample tested	1516	8819	
	Water sample tested	-	-	
	RWH System (Special training and field visit on RWH structure and MIS in KVKs)	-	-	
	KVK-KMA (Message and beneficiaries)	29	24874	
	Convergence programmes	6	-	
	Sponsored programmes	-	-	
	KVK Progressive Farmers interaction	6	170	
	No. of Technology Week Celebrations	15	840	
	Attended HRD activities organized by ZPD	3	3	
	Attended HRD activities organized by DES	2	2	
	Attended HRD activities by KVK Staff(Refresher /Short course, Training programme etc.)	3	3	
9	Current status of Revolving Funds (Amt. in Rs.)			
10		**No. of blocks**	**No. of villages**	
	Outreach of KVK in the District	7	125	
11		**ICAR**	**SAU**	**Others**
	No. of important visitors to KVK (nos.)	6	4	8
12		**Working (Yes/No)**	**No. of Update**	
	Status of KVK Website	Yes	27	
13		**Application received**	**Application disposed**	
	Status of RTI (nos.)	1		
14		**Query received**	**Query dissolved**	
	Citizen Charter (nos.)	-	-	
15		**Working (Yes/No)**	**No. of programme viewed**	
	E-connectivity	No	-	
16		**Filled**	**Vacant**	
	Staff Position	12	4	
17	Workshop/ Seminar/ Conference attended by staff of KVK (nos)	3		
18	Publication received from ICAR /other organization (nos.)	10		
19		**Particulars**	**Organization**	
	Agri alerts (epidemic, high serious nature problem, Cyclone etc. reported first time to ZPD, SAU, Agri. Deptt. and ICAR)	-	-	

GENERAL INFORMATION

1.1. Staff Position (as on date)

Summary of Staff position in KVKs on March, 2017

Name of KVK	Sanctioned Posts	PC (1)		SMS (6)		PA (3)		Admn. (6)		Total	
		Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled	Sanc.	Filled
Kanker	16	1	1	6	6	3	2	6	3	16	12

Name of KVK	Sanction post	Name of the incumbent	Discipline	Highest degree	Subject of specilization	Pay scale	Present pay	Date of joiing	Per./Temp.	Category
Kanker	Programme Coordinator	Dr. Birbal Sahu	Agronomy	Ph.D.	Agronomy	37400-67000/-	47800	05.12.07	Temporary	OBC
Kanker	Subject Matter Specialist1	Shri Devchand Salam	Plant Pathology	M.Sc. (Ag.)	Plant Pathology	15600-39100/-	23640	06.09.12	Temporary	ST
Kanker	Subject Matter Specialist2	Smt Hemkanti Banjare	Agronomy	M.Sc. (Ag.)	Agronomy	15600-39100/-	23640	11.09.12	Temporary	SC
Kanker	Subject Matter Specialist3	Smt. Anjali Ghritlahre	Soil Science	M.Sc. (Ag.)	Soil Science	15600-39100/-	23640	01.10.12	Temporary	SC
Kanker	Subject Matter Specialist4	Shri Atul R. Dange	F M & P	M.Tech (Ag. Engg)	F M & P	15600-39100/-	23640	04.10.12	Temporary	GEN.
Kanker	Subject Matter Specialist5	Dr. Prafulchand B. Rahangdale	LPM	M.V.Sc.	LPM	15600-39100/-	22950	20.02.13	Temporary	GEN.
Kanker	Subject Matter Specialist6	Shri Suresh Markam	Horticulture	M.Sc. (Ag.)	Horticulture	15600-39100/-	21000	29.10.14	Temporary	ST
Kanker	Programme Assistant	Shri Dinesh sinha	Entomology	M.Sc. (Ag.)	Entomology	9300-34800/-	13500	29.10.14	Temporary	OBC
Kanker	Farm Manager	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kanker	Computer Programmer	Shri Gyaneshwar Sahu	Computer	MCA	Computer	9300-34800/-	15210	03.10.12	Temporary	OBC
Kanker	Accountant / superintendent	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kanker	Stenographer	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kanker	Driver	Shri Shailendra Wani	6th	-	-	5200-20200/	12190	01.08.08	Temporary	GEN.
Kanker	Driver	Shri Tilak Ram Dhruw	8th	-	-	5200-20200/	8300	01.04.13	Temporary	ST
Kanker	Supporting staff	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant	Vacant
Kanker	Supporting staff	Shri Hari Shankar Yadav	8th	-	-	4750-7440/-	7260	28.06.10	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
Kanker	Chhattisgarh plain & Bastar plateau	7	389	748941	68%	509280	110764	0.86 ha

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)
Kanker	Kulgaon	2012	Kanker	15 km	1652	527
Kanker	Tarasgaon	2014	Charama	20 km	2500	310

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

KVK Name	THRUST AREA
Kanker	Improvement in production and productivity of major crops like Paddy, Urd, Sesame, Chickpea, Wheat, Linseed and Maize by introduction of HYV within the existing situation.
Kanker	Nutrient management in major crops for obtaining potential yield and maintaining soil fertility.
Kanker	Diversification of existing farming systems through introduction of vegetables and fruit crops.
Kanker	Insect pest and disease management in major crops.
Kanker	Empowerment of women and generation of self-employment for rural youths.
Kanker	Recycling of farm and animal wastes through vermi-composting.
Kanker	Mechanization through introduction of improved implements.
Kanker	Management and up gradation of indigenous cattle breeds through AI services.
Kanker	Enhancement of profit with focus on value addition.

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
Kanker	Paddy	Imbalance use of fertilizers	PRA, Group Meeting & Individual Contact	Kulgaon, Aturgaon, Andi, Babudabena village of Kanker Block Kotela, Aroud, Tarasgaon, Piproud village of Charama Block
		Infestation of weeds	--do--	--do--
		Low yield of upland rice	--do--	--do--
		Incidence of stem borer & blast in paddy	--do--	--do--
Kanker	Seasame	Use of local verity seed	--do--	--do--
		Imbalance use of fertilizer	--do--	--do--
		Broad casting method of sowing	--do--	--do--
Kanker	Blackgram	Imbalance use of fertilizers	--do--	--do--
		Use of poor quality seed	--do--	--do--
		Infestation of yellow mosaic	--do--	--do--
Kanker	Maize	Low yield due to maize – maize cropping sequence	--do--	--do--
Kanker	Chickpea	Imbalance use of fertilizers	--do--	--do--
		Infestation of pod borer & wilt disease	--do--	--do--
Kanker	Linseed	Broad casting method of sowing (utera)	--do--	--do--
		No use of fertilizer in utera crop	--do--	--do--
Kanker	Small millets	Imbalance use of fertilizers	--do--	--do--
		Broad casting method of sowing	--do--	--do--
		No use of improved variety	--do--	--do--
Kanker	Horticultural crops	Non availability of Improved Variety	--do--	--do--
		Lack of storage facilities	--do--	--do--
		Lack of irrigation facilities	--do--	--do--
Kanker	Live stock	Low milk yield in cow due to Imbalance feeding	--do--	--do--
		Non-availability of quality roughage during summer	--do--	--do--
		Temporary infertility, low conception rate, failure of oestrus, high cost of treatment	--do--	--do--
		Lack of awareness regarding disease, ecto & endo parasites management in Livestock	--do--	--do--
Kanker	Soil	Undulated topography of land, which leads to soil erosion.	--do--	--do--
		Decreasing soil health due to low organic carbon content	--do--	--do--
Kanker	Mechanization	unavailability of improved implements Implements	--do--	--do--
		labour scarcity	--do--	--do--
		Economic problems	--do--	--do--
		Lack of awareness about improved machine	--do--	--do--

2. On Farm Testing (OFT)

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**
- **Kindly mention realistic estimated yield of your crop under trail.**
- **If crop has been not yet harvested, mark it * on that**

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_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3	
Kanker	2016-17	Kharif-2016	Low yield of Black Gram due to heavy infestation of weeds	Assessment of Chemical weed management in Black gram	Assessment	Weed management	Black gram	Rainfed	5	3.48	5.22	6.12	4680	13460	18920	Application of Imazethapyre + Imazamox (Pre mix) @ 0.05 kg/ha
Kanker	2016-17	Kharif-2016	Low yield due to weeds problem in the wider spacing of maize crop therefore through above demonstration reduce the weed infestation in the inter cropping and increase yield.	Assessment of intercropping of Maize and Cowpea	Assessment	Cropping System	Maize and cowpea	Irrigated	5	29.1	31.59	59.02 (MEY)	20040	36760	50100	Farmer grow sole crop cowpea, Intercropping of Maize and Cowpea (1:1)
Kanker	2016-17	Rabi 2016-17	Improved crop management will be demonstrated in the farmer field in which 50 kg seed per ha and one nipping at 30 days, balanced fertilizer,	Assessment of nipping with reduced seed rate of Chickpea	Assessment	Crop management	Chickpea	Rainfed & irrigated	5	6.9	10.2		22800	28500		Seed treatment, improved variety JG 130, Seed rate 50 kg/ha, Nipping at 50 DAS

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_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3	
			improved seed and plant protection majors will be demonstrated the improved package of practices may increase yield													
Kanker	2016-17	Kharif 2016	Low yield of Rice due to dificiency of Zinc	Assessment of micronutrients in transplanted Rice	Assessment	Nutrient management	Rice	Irrigated	5	38.12	45.62		26415	35857		Soil application of zinc sulphat 25kg/ha
Kanker	2016-17	Rabi 2016-17	Low yield in Maize due to imbalance fertilization	Assessment of Integrated nutrient management in Maize	Assessment	Nutrient management	Maize	Irrigated	5	44.62	52.12		31033	38396		75% RDF of NPK (120:60:30kg/ha) + FYM (20q/ha)+ PSB 10 g per kg of seed
Kanker	2016-17	Kharif 2016	High mortality of seedling at nursery	Assessment and Refinement of IDM module against damping off disease of Tomato & Brinjal at nursery bed	Assessment	IDM	Tomato & Brinjal	Irrigated	5	21.80 % Disease incidence (%)	4.60 % Disease incidence (%)	2.24 % Disease incidence (%)	1466	2428	2420	Soil application of Trichoderma powder@0.5- gm/m2 of nursery bed and seed treatment @4gm/kg of seed and raised nursery bed and Soil application of FYM enriched with Trichoderma powder@0.5- gm/m2 of nursery bed and seed treatment @4gm/kg of seed and raised nursery bed
Kanker	2016-17	Kharif 2016	Traditional method of de composting with the help of dung	Assessment and Refinement of paddy straw decomposing through Trichoderma	Assessment	Improved method of composting	Trichoderma	-	5	65 No. of days of decompostin g	46 No. of days of decompo sting	35 No. of days of decompost ing	-600	2500	2700	Application of slurry enriched with Trichoderma
Kanker	2016-17	Rabi 2016-17	Low yield due to sever infection of powdery mildew	Assessment of fungicide(Triadimefon)against powdery mildew of Mango	Assessment	Disease management	Mango	Irrigated	5	14	25		28600	60400		Spary of bayleton (Triadimefon)@1gm/liter of water
Kanker	2016-17	Kharif 2016	Low profit from maize cultivation during kharif season	Assessment of crop diversification in upland	Assessment	Varietal Assessment	Onion	Irrigated	5	35	240		17600	110000		Improved variety of onion "Agrifound dark red" with recommended package

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_1)	RP (T_2)	T3	FP (T_1)	RP (T_2)	T3	
				(maize v/s Kharif onion)												of practices.
Kanker	2016-17	Kharif 2016	Low yield due to use of local and less yielding variety	Assessment of improved variety of sweet potato	Assessment	Varietal Assessment	Sweet patato	Irrigated	5	152	220		84000	150000		Improved variety of sweet potato "IGSP - 14 (priya)" with recommended package of practices.
Kanker	2016-17	Rabi 2016-17	Low yield due to use of local and less yielding variety	Assessment of improved variety of coriander	Assessment	Varietal Assessment	Coriander	Irrigated	5	7	9.5		28000	47000		Improved variety of Coriander "Gujrat Dhaniya 1" with recommended package of practices.
Kanker	2016-17	Rabi 2016-17	Low yield due to use of local and less yielding variety	Assessment of improved variety of Brinjal VNR - 212	Assessment	Varietal Assessment	Brinjal	Irrigated	5	205	335		104000	217000		Improved variety of brinjal "VNR-212" with recommended package of practices.
Kanker	2016-17	Kharif 2016	Broadcasting of rice is common practice in the district	Assessment of line sowing of rice with multi-crop planter	Assessment	Improved Implement	Rice	Irrigated	5	39	47.3		29300	41820		Sowing with multi crop planter using 60kg/ha seed rate.
Kanker	2016-17	Rabi 2016-17	Non availability & high cost of labour in time	Assessment of tractor drawn Maize Planter	Assessment	Improved implements	Maize	Irrigated	5	42.50	49.60		27500	37720		Tractor drawn planter
Kanker	2016-17	2016-17	Low production of indigenous breed in backyard poultry rearing	Comparative assessment of Kadaknath and Deshi bird	Assessment	Breed assessment	Poultry bird	-	5	1.452 Avg. body Weight at 6 month age (kg.)	1.566 Avg. body Weight at 6 month age (kg.)		2706	5680		Rearing of Kadaknath breed in backyard
Kanker	2016-17	2016-17	High mortality of poultry birds due to diseases	Assessment of IDM module against poultry diseases	Assessment	Disease management	Poultry bird	-	5	1.413 Avg. body Weight at 6 month age (kg.)	1.554 Avg. body Weight at 6 month age (kg.)	1.474 Avg. body Weight at 6 month age (kg.)	1237.5	3760	2330	Timely vaccination Ranikhet and Anti-stress medicine

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_1)	RP (T_2)	RP (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
Kanker	Assessment of Chemical weed management in Black gram	Weed biomass (g/sqm)	13	8	6	16200	17800	17800	20880	31260	36720	4680	13460	18920	1.29	1.76	2.06
Kanker	Assessment of intercropping of Maize and Cowpea	Yeild (q/ha)	29.1	31.59	59.02 (MEY)	20700	26420	32800	40740	63180	82900	20040	36760	50100	1.97	2.39	2.53
Kanker	Assessment of nipping with reduced seed rate of Chickpea	Yeild (q/ha)	6.9	10.2		18600	22500		41400	51000		22800	28500		2.23	2.27	
Kanker	Assessment of micronutrients in transplanted Rice	Tillers/sqm Yeild (q/ha)	410/sqm 38.12 q/ha	460/sqm 45.62 q/ha		26953	28011		53368	63868		26415	35857		1.98	2.28	
Kanker	Assessment of Integrated nutrient management in Maize	Cob length (cm) Yeild (q/ha)	13.3 cm 44.62 q/ha	15.6 cm 52.12 q/ha		22487	24148		53520	62544		31033	38396		2.38	2.59	
Kanker	Assessment and Refinement of IDM module against damping off disease of Tomato & Brinjal at nursery bed	Disease incidence (%)	21.80%	4.60%	2.24 %	1060	1130	1430	2526	3558	3850	1466	2428	2420	2.38	3.15	2.69
Kanker	Assessment and Refinement of paddy straw	No. of days of decomposting	65	46	35	1500	2500	2800	900	5000	5500	-600	2500	2700	0.60	2.00	1.96

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_1)	RP (T_2)	RP (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
	decomposing through Trichoderma																
Kanker	Assessment of fungicide(Triadimefon)against powdery mildew of Mango	Disease incidence %	42.32%	2.33%		13400	14600		42000	75000		28600	60400		3.13	5.14	
Kanker	Assessment of crop diversification in upland (maize v/s Kharif onion)	Yield (q ha)	35	240		24400	82000		42000	192000		17600	110000		1.72	2.34	
Kanker	Assessment of improved variety of sweet potato	Yield (q ha)	152	220		68000	70000		152000	220000		84000	150000		2.24	3.14	
Kanker	Assessment of improved variety of coriander	Yield (q ha)	7	9.5		28000	29000		56000	76000		28000	47000		2.00	2.62	
Kanker	Assessment of improved variety of Brinjal VNR -212	Yield (q ha)	205	335		81000	83000		185000	300000		104000	217000		2.28	3.61	
Kanker	Assessment of line sowing of rice with multi-crop planter	Field capacity (ha/hr.)	0.08	0.4		25300	24400		54600	66220		29300	41820		2.16	2.71	
Kanker	Assessment of tractor drawn Maize	Field capacity (ha/hr.)	0.09	0.4		23500	21800		51000	59520		27500	37720		2.17	2.73	

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_1)	RP (T_2)	RP (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP(T_2)	Refined Practice, if any (T_3)	FP (T_1)	RP (T_2)	Refined Practice, if any (T_3)
	Planter																
Kanker	Comparative assessment of Kadaknath and Deshi bird	Mortility %	50%	30%		1650	2150		4356	7830		2706	5680		2.64	3.64	
Kanker	Assessment of IDM module against poultry diseases	Mortility %	50%	0%	30%	2295	4010	2829	3532.5	7770	5159	1237.5	3760	2330	1.54	1.94	1.82

2.3 Information about Home Science OFT: (For All Thematic Area)

2.4 (A) Economic Performance Home Science OFT: (For Drudgery Reduction)

2.4 (B) Economic Performance Home Science OFT: (For Income Genration)

2.4 (C) Economic Performance Home Science OFT: (For value addition)

2.4(D) Economic Performance Home Science OFT: (For Nutritional security)

2.5 Feedback from KVK to Research System

Name of KVK	Feedback
Kanker	• **The deshi breed kadaknath is becoming more popular among the tribal community in terms of medicinal value .** • **Paddy straw decomposting by Trichoderma is appreciated by farmers as well as dignitaries but it is required protocol.**

3. Achievements of Frontline Demonstrations (FLD)

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
Kanker	Linseed	ICM	Improved variety RLC 92	Demonstration, group meeting, training & field day	3	110	80
Kanker	Blackgram	ICM	Improved variety TU 94-2 & RDF (N:P:K: 20:50:20 kg/ha.)	Demonstration, group meeting & training	2	50	25
Kanker	Chickpea	ICM	Improved variety JG 130	Demonstration, group meeting, training & field day	7	130	250
Kanker	Rice	Varietal evaluation	Improved variety Maheshwari	Demonstration, group meeting, training & field day	6	100	340
Kanker	Rice	Improved implement	Sowing by seed cum fertilizer drill	Demonstration, group meeting & training	35	2103	3010
Kanker	Maize	Improved implement	Performance of maize Thresher	Demonstration, group meeting & training	18	150	-
Kanker	Animal Husbandry	Breed improvement	Improved breed of Poultry Kadaknath	Demonstration, group meeting & training	50	100	-
Kanker	Animal Husbandry	Breed improvement	10 local breed doe with 1 Jamunapari male for crossing	Demonstration, group meeting & training	3	30	-

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**
- **Kindly mention realistic estimated yield of your crop under Demonstration.**
- **If crop has been not yet harvested, mark it * on that**

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_1)	RP (T_2)		SC	ST	Others	General	Total
Kanker	2016-17	Kharif 2016	Varietal evaluation	Demonstration of high nutritious upland variety of Rice	Rice	High zinc rice 1, RDF, Pest management	5	25.8	34.8	35%	-	6	4	3	13
Kanker	2016-17	Rabi 2016-17	Crop management	Demonstration of improved package of practices of Linseed	Linseed	RLC 92, Line sowing, RDF, Pest Management	5	3.5	8.5	143%	-	7	5	3	15
Kanker	2016-17	Rabi 2016-17	Crop management	Demonstration of improved package of practices of Chickpea	Chickpea	JAKI – 9218, Line sowing, RDF, Pest Management	5	6.5	10.2	57%	1	6	5	-	12
Kanker	2016-17	Rabi 2016-17	Crop management	Demonstration of improved variety of Lentil	Lentil	KLS 218, Line sowing, RDF, Pest Management	5	3.8	8.03	111%	-	10	2	-	12
Kanker	2016-17	Kharif 2016	Nutrient management	STCR based nutrient management in Rice	Rice	Bamleshwari	8	44.7	53.12	19%	-	20	-	-	20
Kanker	2016-17	Rabi 2016-17	Nutrient management	STCR based nutrient management in Maize	Maize	Pioneer- 3546	4	45.1	55.4	23%	1	6	3	-	10
Kanker	2016-17	Kharif 2016	Disease management	Demonstration on Management of false smut of Rice	Rice		10	40.15	42.25	5%	-	10	-	-	10
Kanker	2016-17	Rabi 2016-17	Disease management	Demonstration of IDM Modul against alternaria blight of linseed	Linseed		10	5.5	7.8	42%	-	10	-	-	10
Kanker	2016-17	Kharif 2016	Varietal Assessment	Demonstration of improved variety of colocassia (Indira Arbi – 1)	Colocassia	Indira Arbi – 1	5	158	224	42%	-	5	-	-	5
Kanker	2016-17	Rabi 2016-17	Varietal Assessment	Demonstration on Triple disease resistance (LCV, BW, EB) variety of hybrid Tomato – Arka rakshak	Tomato	Arka Rakshak	5	277	371	34%	-	5	-	-	5
Kanker	2016-17	Kharif 2016	Improved implement	Demonstration of paddy drum seeder for line sowing in puddled field	Rice		10	38	46.5	22%	-	7	3	-	10
Kanker	2016-17	2016-17	Breed improvement	Breed improvement with Sirohi Goat	Goat	Sirohi	10	10.617	16.175	52%	-	8	-	-	8
Kanker	2016-17	2016-17	Housing Management	Bamboo floor shed for goat	Goat		10	10.279	11.053	8%	-	8	-	-	8

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_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Kanker	Demonstration of high nutritious upland variety of Rice	Rice	No. of Tillers/sqm, Yield (q/ha.)	10/sqm 25.8 q/ha	18/sqm 34.8 q/ha	21500	24900	36120	48720	14620	23820	1.68	1.96
Kanker	Demonstration of improved package of practices of Linseed	Linseed	No. of pod/plant, Yield (q/ha)	12 pod/plant 3.5 q/ha	28 pod/plant 8.5 q/ha	14800	17600	21000	51000	6200	33400	1.42	2.90
Kanker	Demonstration of improved package of practices of Chickpea	Chickpea	No. of pod/plant, Yield (q/ha)	18 pod/plant 6.5 q/ha	26 pod/plant 10.2 q/ha	18900	20500	32500	51440	13600	30940	1.72	2.51
Kanker	Demonstration of improved variety of Wheat	Wheat	No. of pod/plant, Yield (q/ha)	23 pod/plant 3.8 q/ha	39 pod/plant 8.03 q/ha	16600	17500	22800	48204	6200	30704	1.37	2.75
Kanker	STCR based nutrient management in Rice	Rice	No. of effective Tillers/sqm	390/sqm 44.7 q/ha	452/sqm 53.12 q/ha	28445	29747	62580	74368	34135	44621	2.20	2.50
Kanker	STCR based nutrient management in Maize	Maize	Cob length/plant, Yield (q/ha)	12.7 cm 45.1 q/ha	15.3 cm 55.4 q/ha	23530	24850	54120	66480	30590	41630	2.30	2.68
Kanker	Demonstration on Management of false smut of Rice	Rice	Disease incidence %, Yield q/ha	13.6% 40.15	9.65% 42.25	21113	21543	48180	50700	27067	29157	2.28	2.35
Kanker	Demonstration of IDM Modul against alternaria blight of linseed	Linseed	Disease incidence %, Yield q/ha	18.52% 5.5	3.34% 7.8	11750	12650	22000	31200	10250	18550	1.87	2.47

KVK Name	Technology demonstrated	Name of Crop/ Enterprise	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)	FP (T_1)	RP (T_2)
Kanker	Demonstration of improved variety of colocassia (Indira Arbi – 1)	Colocassia	Tuber yield per plant(t), Tuber yield per ha(t).	158	224	76000	79000	158000	224000	82000	145000	2.08	2.84
Kanker	Demonstration on Triple disease resistance (LCV, BW, EB) variety of hybrid Tomato – Arka rakshak	Tomato	Fruit yield per plant(q), yield per ha(q).	277	371	130000	133000	277000	371000	147000	238000	2.13	2.79
Kanker	Demonstration of paddy drum seeder for line sowing in puddled field	Rice	Yield (q/ha.)	38	46.5	24600	25000	53200	65100	28600	40100	2.16	2.60
Kanker	Breed improvement with Sirohi Goat	Goat	Body wt.gain (kg/animal) Morbidity (%)	10.617	16.175	6630	7480	10750	16377	4120	8897	1.62	2.19
Kanker	Bamboo floor shed for goat	Goat	Body wt. (kg/animal) Morbidity (%)	10.279	11.053	6480	7430	10407	13429	3927	5999	1.61	1.81

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

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
Kanker	2017-18	Kharif & Rabi	Nutritional security	Mal nutrition due to Low availability of fresh vegetable	Systematic crop cycling for round the year availability of green vegetables	Vegetables	**Hybrid and composite varieties of vegetables as per availability**	Irrigated	0.03	32

3.5 (A) Economic Performance Home Science FLD: (For Drudgery Reduction)

3.5 (B) Economic Performance Home Science FLD: (For Income Genration)

3.5 (C) Economic Performance Home Science FLD: (For value addition)

3.5 (D) Economic Performance Home Science FLD: (For Nutritional security)

KVK name	OFT Title	Performance Indicator / Parameter				Nutrient Intake (Unit)								Anthropometric measurements					
		Name of vegetable/Fruit/Product		Per capita Consumption gm/ day		Energy (kcal)		Protein (gm)		Iron (mg)		Calcium (mg)		Increase in Weight (Kg)		Increase in Height (cm)		Increase in BMI (%)	
		T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2
Kanker	Introduction of Nutritional garden in schools	Vegetable growing is not in common	Seasonal vegetables and fruits	145	300	-	5866.53	-	463	-	460		10.51	1.807	2.303	3.5	5.00	10.32	14.34

3.6 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Kanker	Blackgram	Field days	1	72	-
		Farmers Training	2	41	-
		Media coverage	1	-	-
		Training for extension functionaries	1	31	-
Kanker	Rice	Field days	1	59	-
		Farmers Training	2	60	-
		Media coverage	1	-	-
		Training for extension functionaries	2	42	-
Kanker	Maize	Field days	-	-	-
		Farmers Training	1	28	-
		Media coverage	-	-	-
		Training for extension functionaries	1	31	-
Kanker	Tomato	Field days	-	-	-
		Farmers Training	1	32	-
		Media coverage	-	-	-

		Training for extension functionaries	1	29	-
Kanker	Chickpea	Field days	1	84	-
		Farmers Training	2	65	-
		Media coverage	2	-	-
		Training for extension functionaries	2	28	-
Kanker	Linseed	Field days	1	72	-
		Farmers Training	2	59	-
		Media coverage	1	-	-
		Training for extension functionaries	1	36	-
Kanker	Wheat	Field days	1	48	-
		Farmers Training	1	33	-
		Media coverage	1	-	-
		Training for extension functionaries	2	31	-
Kanker	Horse gram	Field days	1	75	-
		Farmers Training	1	22	-
		Media coverage	-	-	-
		Training for extension functionaries	1	29	-
Kanker	Cowpea	Field days	-	-	-
		Farmers Training	2	64	-
		Media coverage	1	-	-
		Training for extension functionaries	2	28	-
Kanker	Brinjal	Field days	-	-	-
		Farmers Training	1	33	-
		Media coverage	1	-	-
		Training for extension functionaries	2	31	-
Kanker	Cattle	Field days	-	-	-
		Farmers Training	3	78	-
		Media coverage	1	-	-
		Training for extension functionaries	1	36	-
Kanker	Goat	Field days	-	-	-
		Farmers Training	1	33	-
		Media coverage	1	-	-
		Training for extension functionaries	2	31	-

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	Kanker	Maize	Pioneer – 3546	Institute	15	6

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**
Kanker	Zero till seed cum fertilizer	Line sowing through Zero till seed cum fertilizer	Zero till seed cum fertilizer machine is suitable for sowing and utilization of residual moisture but operation is difficult due to obstacle of rice stubble and undulate land	Interested in adopting
Kanker	Bamboo floor	Bamboo floor shed for goat	Bamboo floor is advised by KVK scientists to control infectious diseases which is best method but it is not durable for longer period	Interested in adopting

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

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
Kanker	RY	Group discussion	15.12.2016, Mohpur	28
Kanker	RY	Group discussion	13.12.2016, Bewarti	54
Kanker	FW	Group discussion	20.10.2016, Turakhar	42
Kanker	RY	Group discussion	07.12.2016, Umradah	54
Kanker	RY	Group discussion	19.12.2016, Gotulmunda	56
Kanker	RY	Group discussion	22.12.2016, Kirgoli	43

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	Cate-gory	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
Kanker	FW	OFC	CRP	Production technology of Chickpea	2	2	6				24	19	4	
Kanker	FW	OFC	CRP	Production technology of wheat	1	1	4		1		20	2		
Kanker	FW	OFC	AEG	Care & maintenance of Agriculture Implements	2	2	8			2	26	18	5	
Kanker	FW	OFC	SFM	Importance of bio fertilizer in different crops	2	2	4			3	34	14		
Kanker	FW	ONC	LPM	Fodder production for animal nutrition	2	2	6				30	21	2	
Kanker	RY	ONC	PLP	Plant protection in Rabi crop	2	2	4			1	36	23		
Kanker	FW	OFC	CRP	Production technology of linseed	2	2	16				25	19		
Kanker	FW	OFC	CRP	Production technology of field pea	2	2	6		1		23	17	4	
Kanker	FW	OFC	CRP	Weed management of wheat	2	2	8		1		38	18	4	
Kanker	FW	OFC	CRP	Production technology of lentil	2	2	4		2		28	20	2	
Kanker	FW	OFC	SFM	Nutrient management of vegetable crop	2	2	4		2		18	23	13	
Kanker	FW	OFC	PLP	Production technology of wheat	2	2	2		1		18	22	12	3
Kanker	FW	OFC	CRP	Production technology of green gram	1	1	3	4			21			
Kanker	FW	OFC	AEG	Care & maintenance of ploughing machine	2	2	5		3		38	14	2	
Kanker	FW	OFC	AEG	Line sowing of paddy by seed drill	2	2	33				30			
Kanker	FW	OFC	LPM	Disease management of animal	2	2	5		2		40	10		
Kanker	FW	OFC	LPM	Rearing and management of	1	1	1				22	12		

Name of KVK	Cate-gory	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
				Goat										
Kanker	FW	OFC	PLP	Method of seed treatment	1	1	9	2			15			
Kanker	FW	OFC	PLP	Method of seed purification and seed treatment	1	1	13				14			
Kanker	FW	OFC	PLP	Mushroom production technology	3	3	6		2		24	22	5	8
Kanker	FW	OFC	CRP	Weed management of black gram	2	2	3				35	8		13
Kanker	FW	OFC	PLP	Pest and disease management in Kharif crop	2	2	3			2	38	12		6
Kanker	FW	ONC	HOF	Management of mother orchard during summer	1	1	2			1	25		1	
Kanker	RY	ONC	CRP	Kharif crop production technology	2	2	20	4		3	28	8	5	3
Kanker	FW	ONC	AEG	Woman empower and drudgery reduction	1	1	5				20			
Kanker	FW	ONC	SFM	Method for collection of soil sample	1	1	1				19			
Kanker	FW	ONC	HOV	Land preparation and selection of variety of vegetable crop	2	2	4		3		38	12		2
Kanker	FW	ONC	LPM	Care and management of live stock before mansoon	2	2	3		2		38	12		5
Kanker	FW	ONC	LPM	Nutrition available in summer	1	1					27			
Kanker	RY	ONC	CRP	Production technology of kharif crop	2	2	2		2		24	20		8
Kanker	FW	ONC	SFM	Production technology of vermi compost	2	2	6	2			36	18		
Kanker	FW	ONC	PLP	Method and importance of seed treatment	2	2	10	2			28	15		3
Kanker	FW	ONC	HOV	Improved production technology of cucurbits crop	2	2	6	1	2		36	8		6
Kanker	FW	ONC	HOV	Improved cultivation of elephant foot yam	1	1	6	1	1		23	2		
Kanker	FW	ONC	SFM	Nutrient management in kharif crop	2	2	2				48	2		4
Kanker	FW	ONC	CRP	Selection of variety in kharif season	2	2	4				30	16	12	3
Kanker	FW	ONC	CRP	Weed management in rice	2	2	10		1		56			
Kanker	FW	ONC	SFM	Production technology of vermi compost	2	2	7		1		35	18		

Name of KVK	Cate-gory	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
Kanker	FW	OFC	SFM	Nutrient management in rice	1	1					21			
Kanker	FW	OFC	CRP	Weed control in line sowing rice	2	2	10		1		30	15	5	3
Kanker	FW	OFC	CRP	Weed control in sesame	1	1	2		1		15	17		
Kanker	FW	ONC	CRP	Production technology of wheat	1	1	2				19			
Kanker	FW	ONC	LPM	Live stock and its shed management	2	2	4		2		45	8	1	
Kanker	FW	ONC	HOV	Processing and packaging of turmeric and other horticultural products	1	1	2		1		15	9		2
Kanker	FW	ONC	CRP	Production technology of chick pea	2	2	5		1		35	13	2	3
Kanker	FW	ONC	PLP	Plant protection in vegetable	2	2	10	4			33	12		
Kanker	FW	ONC	PLP	Trichoderma production technology	1	1	3	1	1		10	12		2
Kanker	FW	ONC	HOV	Application care and maintenance of drip irrigation system in vegetable cultivation	2	2	2				37	18	5	
Kanker	FW	ONC	CRP	Water management in pulse crop	1	1	4				25	12		
Kanker	FW	ONC	LPM	Vaccination and management of poultry birds	2	2	2		1		36	13		8
Kanker	FW	ONC	AEM	Importance of agriculture implements in summer ploughing	2	2	2				22	18		15
Kanker	FW	ONC	CRP	Storage techniques of grain and seeds	2	2	14				34	23		
Kanker	FW	ONC	CRP	Weed management and water management in linseed crops	1	1	1				30	22		
Kanker	FW	ONC	SFM	Method for collection of soil sample	2	2	4				38	15		
Kanker	FW	ONC	LPM	Routine management practice in goat	3	3	3			3	45	38		

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
Kanker	Training to farmers on Backyard poultry Rearing	Poultry Unit	Employment generation	6 Days	-	-	-	-	26	3	1	-
Kanker	Training to farmer on Integrated farming system	IFS Model	Employment Generation and additional income	6 Days	-	-	-	-	28	2	-	-
Kanker	Training to farmers on Lac Cultivation	Kusumi lac production	Income generation	6 Days	-	-	-	-	21	6	2	1
Kanker	Training to farmers on Fish seed production/Fish Production	Fish Production	Income generation	6 Days	-	-	1	1	12	13	2	1
Kanker	Training to farmers on Mushroom cultivation	mushroom production	Income generation	6 Days	-	-	-	-	9	17	3	1
Kanker	Training to farmers on Mushroom cultivation (MMKVY)	Mushroom	Income generation	90 hr	-	-	-	-	14	6	-	-
Kanker	Training to farmers on Mushroom cultivation (MMKVY)	Mushroom	Income generation	90 hr	-	-	-	-	8	11	-	2
Kanker	Training to farmers on Mushroom cultivation (MMKVY)	Mushroom	Income generation	90 hr	-	-	2	1	25	-	9	-
Kanker	Training to farmers on Vegetable cultivation (MMKVY)	Vegetables	Income generation	90 hr			1	0	23	-	7	-
Kanker	Training to farmers on Vermi compost (MMKVY)	Vermi compost	Income generation	90 hr	1	-	2	0	4	16	6	2
Kanker	Training to farmers on Mushroom Cultivation (PMKVY)	Mushroom	Income generation	200 hr	-	-	-	-	11	7	2	-
Kanker	Training to farmers on Poultry Rearing (PMKVY)	Poultry	Income generation	200 hr	-	-	-	-	15	2	3	-

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 else where
		Type of units	Number of units	Number of persons employed	
Kanker	Training to farmers on Backyard poultry Rearing	Poultry Unit	30	30	-
Kanker	Training to farmer on Integrated farming system	IFS Model	15	15	-
Kanker	Training to farmers on Lac Cultivation	Kusumi lac production	30	30	-
Kanker	Training to farmers on Fish seed production/Fish Production	Fish Production	15	15	-
Kanker	Training to farmers on Mushroom cultivation	mushroom production unit	6	10	-
Kanker	Feed management and fodder production	Production unit	10	10	-
Kanker	Poultry Production and management	poultry unit	20	20	-

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)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		
Kanker	Training to farmers on Backyard poultry Rearing	LPM	-		6 Days	1	-	-	1	-	-	-	26	3	MGNREGA	125000/-
Kanker	Training to farmer on Integrated farming system	RYH	-		6 Days	1	-	-	-	-	-	-	28	2	MGNREGA	125000/
Kanker	Training to farmers on Lac Cultivation	RYH	-		6 Days	1	-	-	2	1	-	-	21	6	MGNREGA	125000/
Kanker	Training to farmers on Fish seed production/Fish Production	FIS	-		6 Days	1	-	-	2	1	1	1	12	13	MGNREGA	125000/
Kanker	Training to farmers on Mushroom cultivation	RYH	-		6 Days	1	-	-	3	1	-	-	9	17	MGNREGA	125000/
Kanker	Feed management and fodder production	LPM	-		5 Days	1	-	-	1	-	-	-	14	-	Department of Agriculture	158800/-
Kanker	Poultry Production and management	RYH	-		5 Days	1	-	-	1	-	-	-	7	7	Department of Agriculture	158800/-
Kanker	Seed production technology	CRP	-	RY	2 Days	1	-	-	2	-	2	1	25	21	NSP Raipur	40000/-
Kanker	Processing and value addition of non timber forest produce	AEG	-	RY	2 Days	1			-	-	1	0	45	10	Dep. of Agri. Eng. Raipur	Participatory
Kanker	Cultivation and processing of medicinal and aromatic plants	HOM	-	RY	2 Days	1	1	-	-	-	2	0	5	40	Dep. of Medicinal and aromatic plant Raipur	Participatory

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)	Dura-tion (days)	No. of courses	No. of Participants								Sponsoring Agency	Fund received for training (Rs.)
							Gen		Others		SC		ST			
							M	F	M	F	M	F	M	F		

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	
Kanker	Production technology of Vermicompost	30	Nil	75	Nil	20	Nil	10000	24 farmers adopted the technology
Kanker	Mushroom production technology	60	Nil	55	Nil	50 kg	Nil	5000	40 farmers adopted the technology
Kanker	Backyard poultry rearing	70	15	70	-	-	-	2 time increase	70 farmers adopted this technology
Kanker	Vegetable cultivation	30	20	80	Nil	50	Nil	50000	20 farmers adopted the technology

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			
Kanker	Field Day	8	9	62	24	297	29	15	7			
Kanker	Kisan Mela	2	2	118	56	2162	113	51	17			
Kanker	Kisan Ghosthi	3	3	57	12	140	27	9	4			
Kanker	Exhibition	9	9	Mass	Mass	Mass	Mass	Mas s	Mass			
Kanker	Film Show	10	10	50	21	368	71	21	8			
Kanker	Method Demonstrations	5	5	12	4	97	14	6	2			
Kanker	Farmers Seminar	-	-	-	-	-	-	-	-			
Kanker	Workshop	3	3	31	6	257	34	28	9			
Kanker	Group meetings	5	5	27	20	117	33	8	6			
Kanker	Lectures delivered as resource persons	21	21	38	17	516	35	25	10			
Kanker	Newspaper coverage	45	45	Mass	Mass	Mass	Mass	Mas s	Mass			
Kanker	Radio talks	0	0	-	-	-	-	-	-			
Kanker	TV talks	5	5	Mass	Mass	Mass	Mass	Mas s	Mass			
Kanker	Popular articles	5	5	-	-	-	-	-	-			
Kanker	Extension Literature	1	1	-	-	-	-	-	-			
Kanker	Farm advisory Services	-	-	-	-	-	-	-	-			
Kanker	Scientific visit to farmers field	110	110	32	15	157	48	14	6			
Kanker	Farmers visit to KVK	25	25	118	56	2762	200	129	37			
Kanker	Diagnostic visits	168	168	5	2	713	83	0	0			
Kanker	Exposure visits	15	15	-	-	205	38	-	-			
Kanker	Ex-trainees Sammelan	2	2	14	2	49	16	6	3			
Kanker	Soil health Camp	2	2	15	5	287	31	6	3			
Kanker	Animal Health Camp	1	1	20	3	35	9	3	-			
Kanker	Agri mobile clinic	-	-	-	-	-	-	-	-			
Kanker	Soil test campaigns	4	4	28	6	325	65	6	2			
Kanker	Farm Science Club conveners meet											
Kanker	Self Help Group conveners meetings	3	3	-	8	-	52	2	-			
Kanker	Mahila Mandals conveners meetings											
Kanker	Celebration of important days (World environment day, Parthenium day)	3	3	18	5	168	15	16	4			

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
Kanker	April 2016	Quarterly (April to June)	500	500
Kanker	July 2016	Quarterly (July to September)	500	500
Kanker	October 2016	Quarterly (October to December)	500	500
Kanker	January 2017	Quarterly (January to March)	500	500

7.2 Literature developed/published

KVK Name	Type	Title	Author's name	Number of copies

7.3 Details of Electronic Media Produced

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

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.)
Kanker	Cereal	Paddy	Samleshwari	79.39	88880	200	75
Kanker	Cereal	Paddy	IGKV R 2	72.68	80960	150	70
Kanker	Cereal	Paddy	Maheshwari	151.28	168520	400	150
Kanker	Cereal	Paddy	Indira Arobic	82.55	91960	100	80
Kanker	Cereal	Wheat	Ratan	4.7	9680	4	2
Kanker	Pulse	Black gram	Indira Urd 1	1.11	9600	15	12
Kanker	Pulse	Field pea	Shubhra	0.9	3200	2	1
Kanker	Oilseed	Linseed	RLC 92	3.85	14400	20	12.5
Kanker	Oilseed	Mustard	Bharat Sarso2	0.48	2400	30	16

8.2 Planting Material production

KVK Name	Major group/class	Crop	Variety	Nos.	Value (Rs.)	Provided to No. of Farmers	Expected area coverage (ha.)
Kanker	Fruit	Culstard apple	Local genotypes	2000	50000	-	3.200
Kanker	Fruit	Mango	Dashehari, Langda, Amrapali, Mallika	3000	120000	60	10.791
Kanker	Fruit	Papaya	Honeygold	2500	50000	50	0.810
Kanker	Vegetable	Tomato	NP 5005	20000	5000	37	0.900
Kanker	Vegetable	Brinjal	VNR 212	10000	2500	13	0.135
Kanker	Vegetable	Chilli	VNR 435	4000	1000	15	0.108
Kanker	Vegetable	Cole crop	Pusa drum head, Snow ball, white viena	9000	2250	23	0.182
Kanker	Vegetable	Moringa	PKM 1	800	8000	40	1.280
Kanker	Flower	Marigold	Pusa Narangi	6000	1500	21	0.081
Kanker	Flower	Zinia	Zahara mix	2000	500	13	0.027

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.)
Kanker	Bio Agents	Verms	120	-	60000	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
Kanker	Poultry bird	Kadaknath	Chicks	30761	1538050	400
Kanker	Poultry bird	Kadaknath	Meat	118.94	47576	100
Kanker	Poultry bird	Kadaknath	Egg	51129	-	-
Kanker	Duck	Khakhi Cambel, White Peain	Duck	35	-	-
Kanker	Duck	Khakhi Cambel, White Peain	Duck Chicks	85	-	-
Kanker	Cow	Sahiwal, Gir	Milk	5226	182910	20
Kanker	Cow	Sahiwal	Calf	1	-	-
Kanker	Cow	Gir	Calf	6	-	-
Kanker	Goat	Sirohi	Kids	33	-	-

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)
Kanker	Digital Mini lab	2015-16	-	1516	8819	85	-	8819

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)
Kanker	-	-	-	-	-	-	-	-

10. Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

11. Utilization of Farmers Hostel facilities – Not in existence

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)
Kanker	-	-	-	-	-	-	-	-

12. Utilization of Staff Quarters facilities - Not in existence

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

13. **Details of SAC Meeting**

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Kanker	**13.06.2016**	**30**	

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.**		
Kanker	29	24874	-	Farmers portal	Crop management, Plant Protection, Live stock management

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
Kanker	CSS NHM	Central	4.29 lakh	FLD, Trainings, Seed production	District Kanker	
Kanker	TSP Pulse	Central	3.50 lakh	Demonstration & training	District Kanker	
Kanker	AICRP Linseed	State	-	FLD	District Kanker	
Kanker	MGNREGA	State	12.00 lakh	Model Nursery	District Kanker	
Kanker	MGNREGA	State	9.87 lakh	Seed Production	KVK Farm	
Kanker	IWMP	Central	24.00 Lakh	Trainings, soil and water conservation activities	9 villages of Kanker district	

16. Status of Revolving Funds (Rs.)

KVK Name	Account No.	Opening balance (Rs.)	Closing balance (Rs.)	Current status (Rs.)
Kanker	31761245093	1052307.00	696103.00	696103.00

17. Awards & Recognitions

KVK Name	Name of award /awardee	Type of award (Ind./Group/Inst./Farmer)	Awarding Organizations	Amount received
Kanker	Mahindra Samridhi India Agri Award 2017	Institutional	Mahindra Samridhi	Certificate + Rs. 2.11 lakh
Kanker	Pandit Deen Dayal Upadhyay Krishi Vigyan Protshahan Puraskar (National) 2015-16 Received during 2016-17	Institutional	ICAR	Certificate + Rs. 2.25 lakh
Kanker	Fakhruddin Ali Ahmed Award	Group	ICAR	Certificate + Rs. 25000/-
Kanker	Best Extension Worker	Individual	District Administration	Certificate
Kanker	Krishak Samridhi Award	Farmer	Krishak Samridhi publication	Certificate
Kanker	Krishak Samridhi Award	Farmer	Krishak Samridhi publication	Certificate
Kanker	Krishak Samridhi Award	Farmer	Krishak Samridhi publication	Certificate
Kanker	Krishak Samridhi Award	Farmer	Krishak Samridhi publication	Certificate
Kanker	Krishak Samridhi Award	Farmer	Krishak Samridhi publication	Certificate

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	Kanker	Yes	DES

b) Details about Technology Park

Name of KVK	Name of Component of Park	Detail Information (If established)
Kanker	Crop Cafeteria	Kharif & Rabi crops of the district
Kanker	Technology Desk	Vermi Compost Production, Mushroom Span Production, Trichoderma Production
Kanker	Visitors Gallery	-
Kanker	Technology Exhibition	Different Diseases, Insects & Seed Collection of Different Crops
Kanker	Technology Gate-Valve	-

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria
1.	Varieties of Cereals, Pulses & Oilseed	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	Kanker	Shri Ghasiya ram	IFS Model	Village & Post – Bewarti, Block & District – Kanker Mo. No. – 9424294597
2	Kanker	Shri Dilip Sonkar	Growing of vegetable with Drip system	Village & Post - Largaon-Markatola, Block - Narharpur, District – Kanker Mo. No. – 9009941620
3	Kanker	Shri Vijay Mandavi	Growing of vegetable with Drip system	Village & Post – Ratesara, Block - Charama, District – Kanker Mo. No. – 9425593844
4	Kanker	Shri Krishna Nishad	Growing of vegetable with Drip system, Poultry	Village & Post – Babudabena, Block - Kanker, District – Kanker Mo. No. – 09754389122
5	Kanker	Shri Lallu Ram Kureti	IFS Model	Village & Post – Aturgaon, Block – Kanker, District – Kanker Mo. No. – 9479007412
6	Kanker	Shri Mankuram Kanger	IFS Model	Village & Post – Kulgaon, Block – Kanker, District – Kanker Mo. No. – 8103484275
8	Kanker	Shri Devlal Sonkar	Growing of vegetable with Drip system	Village & Post - Largaon-Markatola, Block - Narharpur, District – Kanker
9	Kanker	Shri Jagdish Shori	Growing of vegetable with Drip system	Village & Post – Kotela, Block - Charama, District – Kanker Mo.No. – 9424276194
10	Kanker	Shri Chinta Ram Sahu	Growing of vegetable with Drip system	Village & Post – Kotela, Block - Charama, District – Kanker

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	15-06-2016	25
2	28-06-2016	28
3	13-07-2016	32
4	17-08-2016	29
5	01-09-2016	33
6	14-10-2016	23

21. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Kanker	03	07	18	125

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
1	Blackgram	8.00 ha.	3	
2	Chickpea	14.00 ha	3	
3	Field pea	8.80 ha	3	
4	Lentil	10.00 ha	3	

23. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.
1.	Kanker, Jagdalpur, Narayanpur	Training, Demonstration, Field visit, Miner millet processing	

24. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	ICAR	SAUs	Others	Remarks
Kanker	Shri Vikram Deo Usendi	04.04.2016			Member of Parliament	
Kanker	Dr. M. P. Thakur	25.04.2016		Director Extension Services, IGKV Raipur		
Kanker	Shri Deepak Kumar Bhoyar	30.06.2016			Joint Director Agriculture, Bastar	
Kanker	Dr. P. Kaushal	14.09.2016	Joint Director ICAR NIBSM Raipur			
Kanker	Shri Shiv Anant Tayal	24.09.2016			CEO, Zila Panchayat Kanker	
Kanker	Dr. S. K. Thama	20.11.2016	Ex. VC & Chairman RRTC (Eastern Zone)			
Kanker	Dr. D. K. Marothiya	25.11.2016			Member of Planning commission, CG. Govt.	
Kanker	Dr. S. K. Patil	25.11.2016		Voice Chancellor IGKV Raipur		
Kanker	Shri Shankar Lal Dhruwa	05.12.2016			MLA, Kanker	
Kanker	Shri Bharat Matiyara	05.12.2016			President, CG Machhhua Kalyan	
Kanker	Shri Chiranjiv Sarkar	05.12.2016			DDA, Kanker	
Kanker	Dr. J. S. Urkurkar	06.01.2017		Director Research Services, IGKV Raipur		
Kanker	Dr. Shankar Jha	22.01.2017		Comptroller IGKV Raipur		
Kanker	Shri Lakhan lal Sahu	13.02.2017			President, CG State Cooperative Society, Raipur	
Kanker	Dr. Bidyut C Deka	17.02.2017	Director ATARI Zone III (Meghalaya)			
Kanker	Dr. Rajbeer Singh	17.02.2017	Director ATARI Zone I (Ludhiyana)			
Kanker	Dr. Anupam Mishra	17.02.2017	Director ATARI Zone VII (Jabalpur)			
Kanker	Dr. P. K. Singh	19.02.2017			Project Coordinator Linseed, Kanpur	
Kanker	Dr. A. K. Tiwari	01.03.2017	Director Pulses, GOI, Bhopal			

25. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Kanker	June 2013	Twenty Seven time	2881 (887 - Indians) (1994 – Foreigners)

26. E-CONNECTIVITY – Under Progress

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			
Kanker	-	-	-	-	-	-	-

27. Status of RTI

Sr. No.	Name of KVK	No. of RTI applications received	No. of RTI appeals	Remarks
1	Kanker	1	NIL	

28. Status of Citizen Charter

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

29. Attended HRD Programmes organized by ZPD

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kanker	Dr. Birbal Sahu	Senior Scientist cum Head	1	
Kanker	Shri Devchand Salam	SMS, Plant Pathology	1	
Kanker	Shri Gyaneshwar Sahu	Programme Assistant	1	
	Total		**3**	

Name of KVK	Total Number of staff Attended HRD Programme organized by ZPD (nos)	Total Number of Programme attended (Nos)
Kanker	**3**	**3**

30. Attended HRD Programmes organized by DES

Name of KVK	Name of Staff	Post held	Programme attended (Nos)	Remarks
Kanker	Smt. Hemkanti Banjare	SMS, Agronomy	1	
Kanker	Smt. Anjali Ghritlahare	SMS, Soil Science	1	

Name of KVK	Total Number of staff Attended HRD Programmes organized by DES (nos)	Total Number of Programmes attended (Nos)
Kanker	**2**	**2**

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
Kanker	Er. Atul R Dange	SMS, FMP	1	
Kanker	Smt. Hemkanti Banjare	SMS, Agronomy	1	
Kanker	Shri Devchand Salam	SMS, Plant Pathology	1	

Name of KVK	Total Number of staff Attended HRD Programmes by KVK staff (nos)	Total Number of Programmes attended (Nos)
Kanker	**3**	**3**

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
Kanker	-	-	-

33. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Kanker	Gosthies	1	87	Crop
Kanker	Lectures organized	3	98	Crop
Kanker	Exhibition	1	80	-
Kanker	Film show	3	205	Crop and livestock
Kanker	Fair	-	-	-
Kanker	Farm Visit	5	120	Crop
Kanker	Diagnostic Practical's	2	45	Crop
Kanker	Distribution of Literature (No.)	2000	205	-
Kanker	Distribution of Seed (q)	-	-	-
Kanker	Distribution of Planting materials (No.)	-	-	-
Kanker	Bio Product distribution (Kg)	-	-	-
Kanker	Bio Fertilizers (q)	-	-	-
Kanker	Distribution of fingerlings (No)	-	-	-
Kanker	Distribution of Livestock specimen (No.)	-	-	-
Kanker	Total number of farmers visited the technology week	-	-	-

34. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries
Kanker	Rice	16.00	40

Major area coverage under alternate crops/varieties

Name of KVK	Crops	Area (ha)	Number of beneficiaries
Kanker	Maize	75.00	110
Kanker	Linseed	80.00	200

Farmers-scientists interaction on livestock management

Name of KVK	Livestock components	Number of interactions	No. of participants
Kanker	Poultry bird, Goat, Cow	2	76

Animal health camps organized

Name of KVK	Number of camps	No.of animals	No.of farmers
Kanker	1	65	40

Seed distribution in drought hit states

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

Seedlings and Saplings distributed

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

Bio-control Agents

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

Bio-Fertilizer

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

Verms Produced

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

Large scale adoption of resource conservation technologies

Name of KVK	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Kanker	Rice	40.00	100

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

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

2**. Proposed Extension Activities in NICRA Village**

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

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

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

4**. Proposed Activities for Fodder Bank**

Established (Years)	Capacity	Current Status

5. **Proposed Activities for Seed Bank**

Established (Years)	Capacity	Current Status

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

Name of Representative/Officer	Designation	Date of Visit	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

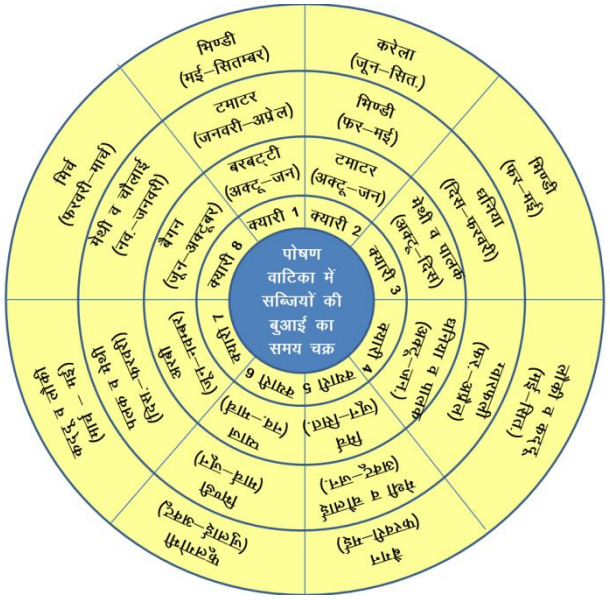
Name of the KVK, **TITLE, Introduction,** KVK intervention, Output, Outcome, Impact

Sr. no.	Name of KVK	No. of success stories	No. of case studies
1	**Kanker**	**9**	**2**

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) –

Case study TECHNOLOGY 1 - Nutritional garden for nutritional security

(A) Explanation of TECHNOLOGY disseminated -KVK scientist designed ideal Nutritional garden which content vegetables and fruits like banana, papaya and drumstick etc for fulfill the daily requirement of family. Kitchen garden is a ancient method but not a commercial method. On an average to meet out the daily vegetable requirement of 5 to 6 members family, 300 sqm space is sufficient for nutritional garden.



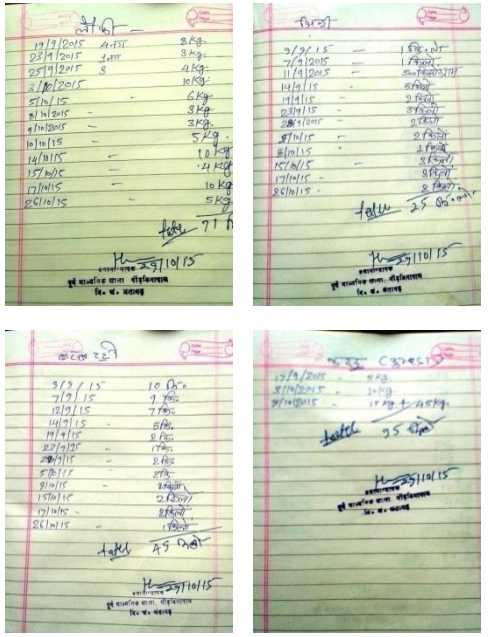
First it was tested in KVK farm, after that replicated in 15 farmers field. The district Collector appreciated this work and provided fund for further replications. In this connection 40 residential schools (Ashram) of Antagarh block was selected for replication during 2015-16. The warden of Ashram school stated growing of vegetables and fruits in the back yard of Ashram, they are also maintaining daily record of production. In the year 2016 for dissemination of these technology in the whole Kanker district intensive training programme was organized for the principals and hostel warden of Kanker district, Due to which this technology implemented in whole district.

After success of this technology in the Uttar Bastar Kanker district, the Chief Secretary Govt. Of Chhattisgarh ordered to all the Collectors of Chhattisgarh State for implementing these nutritional garden technology in the schools.

(B) Existing practices followed in operational area before TECHNOLOGY was disseminated – There is no such practice in the schools and farmers grow vegetable in non scientific way.

(C) Quantifiable differences in yield due to TECHNOLOGY – On an average 630 kg vegetables was produced in six months in the demonstrated schools.

Sl. No.	Name of School	Crop grown	Average Production per school in six months
1	Primary School Podgaon	Bottel gourd + Pumpkin + Cowpea + Brinjal + tomato + Okra + Bitter gourd + Methi + Chaulai + Redish + Palak + Coriander + Cluster Beans + Drum steak + Jackfruit + Lemon + Guava + Lablab	Bottel gourd - 170 kg Pumpkin – 143 kg Cowpea – 36 kg Brinjal – 93 kg Okra – 33 kg Bitter gourd – 38 kg Tomato – 62 kg Cluster beans – 9 kg Lablab – 22 kg Leafy vegetables – 28 kg
2	Middle School Himoda		
3	Primary School Ghotulbeda		
4	Primary School Tadoki		
5	Primary School Godbinapal		
6	Middle School Godbinapal		
7	Primary School Masbaras		
8	Primary School Boys Angatarh		
9	Primary School Girls Antagarh		
10	Primary School Shyam Nagar Antagarh		



Nutritional Garden at Schools and Daily record of vegetable yield maintained by school warden

(D) Quantifiable differences in cost of cultivation in terms of reduction in labour & inputs for the farmers in operational area – Scientific vegetable cultivation in schools were started with a view that 70 to 80 percent schools having source of water (tube well or hand pump) and manpower (one peon/hostel warden). Only seed and pesticide charges was required for implementing these TECHNOLOGY.

(E) Other benefits and impact from disseminated TECHNOLOGY -

Due to replication of Nutritional garden in schools of Antagarh block, fresh and organic vegetable are available for students as well as saving an amount of Rs. 12000/- per school in six months. Besides seasonal vegetables perennial vegetables like Jackfruit, Drum steak, and fruits Papaya, Banana, Guava were also planted which provide regular fruits and vegetable.

(F) Number of farmers implemented disseminated TECHNOLOGY –

At present 70 schools and 250 farmers of Kanker district implemented these TECHNOLOGY and as per instruction of The Chief Secretary Govt. of Chhattisgarh the technology will be implementing in whole Chhattisgarh state.

Directive for Nutritional Garden in Ashram Schools at Kanker

Staff Reporter

RAIPUR, July 30

AN INITIATIVE to grow nutritional garden in a few of the 'Ashram' schools in the State's Kanker district has proved successful. A directive has been given to the concerned authorities of all such schools in that district to grow the garden in their respective institutions, informed Krishi Vigyan Kendra, Kanker, which comes under Indira Gandhi Krishi Vishwavidyalaya (IGKV).

Krishi Vigyan Kendra (KVK), Kanker, exhibited ideal nutritional garden at its level, which impressed the District Collector who then directed for replicating the garden in ten Ashram schools in the district. A fund of Rs 1 lakh was also allocated for the purpose. Ashram schools in tribal area are residential schools where the students stay and they are provided food also, informed the KVK Programme Coordinator Dr Birbal Sahu. The school children got nutrition and it needs mention that Antagarh block is located in interior part of district where the vegetable and fruit yields are comparatively less. The school children of this area also got nutrition, informed IGKV. Every nutritional garden, also referred as kitchen garden, was spread over 300 square metre area.

Not only the residential school children got nutrition, but a considerable amount as savings was also recorded. The savings recorded per school was Rs 12,000 in six months. Looking to the success, a directive has been given by the district collector to the concerned authorities of all the Ashram schools in the district for the garden in their respective institutions, informed Dr Sahu.

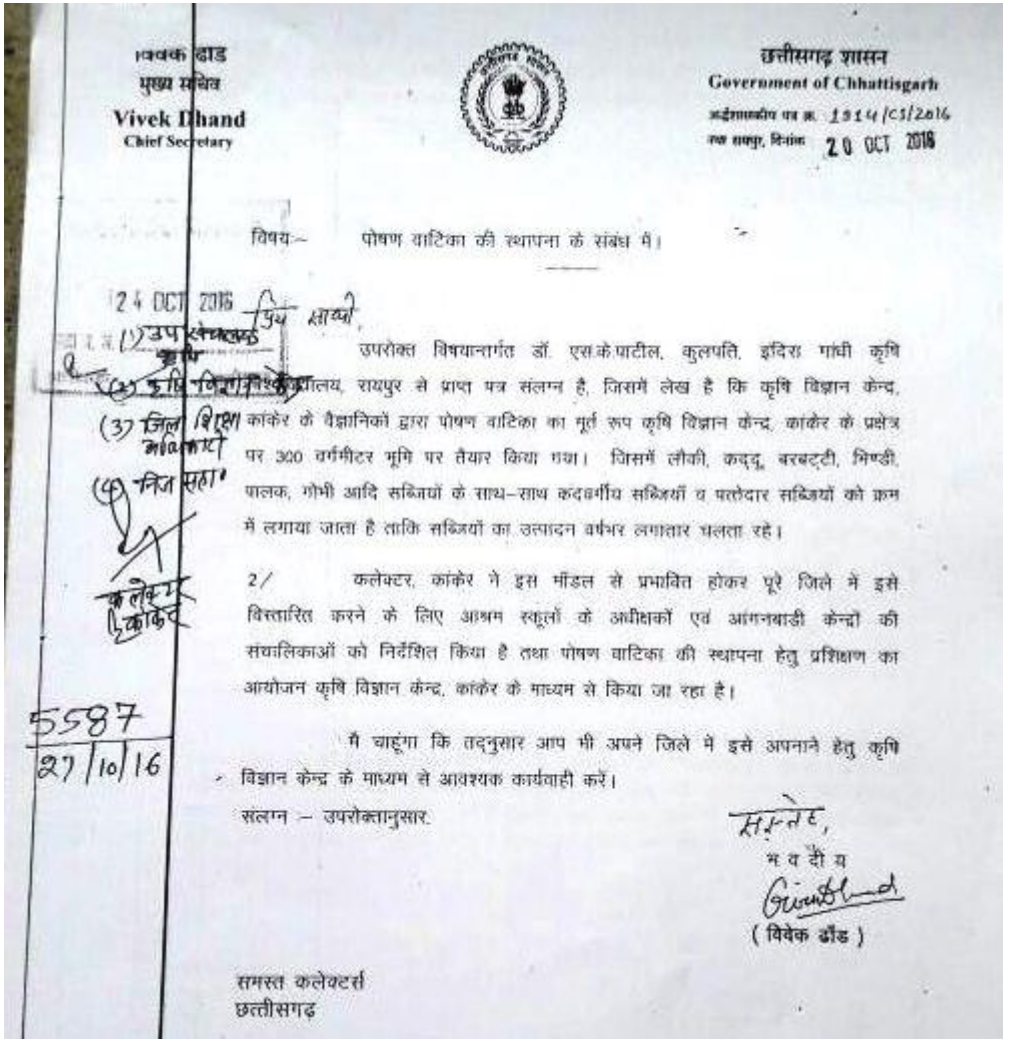
Ashram School children displaying the nutritional garden yields.

Nutritional Gardens are coined as 'Poshan Vatika'

NOT only the Ashram schools of the district, but it has also been directed to grow the garden in a number of other schools in the district. These schools have been identified and the gardens will be coined as 'Poshan Vatika', said the District Collector Shamni Abidi, when contacted by this newspaper.

Beating malnutrition with organic farming

Kids show the farm produce



विवेक ढाड
मुख्य सचिव
Vivek Dhand
Chief Secretary

छत्तीसगढ़ शासन
Government of Chhattisgarh
अर्द्धशासकीय पत्र क्र. 1914/C3/2016
नया रायपुर, दिनांक 20 OCT 2016

विषय:- पोषण वाटिका की स्थापना के संबंध में।

24 OCT 2016 पृथ साव्यी

(1) उप संचालक कृषि
(2) कृषि विज्ञान केन्द्र कार्यालय
(3) जिला शिक्षा अधिकारी
(4) निज सहा०

कलेक्टर कांकेर

5587
27/10/16

उपरोक्त विषयान्तर्गत डॉ. एस.के.पाटील, कुलपति, इंदिरा गांधी कृषि [illegible] कांकेर के वैज्ञानिकों द्वारा पोषण वाटिका का मूर्त रूप कृषि विज्ञान केन्द्र, कांकेर के प्रक्षेत्र पर 300 वर्गमीटर भूमि पर तैयार किया गया। जिसमें लौकी, कद्दू, बरबट्टी, भिण्डी, पालक, गोभी आदि सब्जियों के साथ-साथ कंदवर्गीय सब्जियों व पत्तेदार सब्जियों को क्रम में लगाया जाता है ताकि सब्जियों का उत्पादन वर्षभर लगातार चलता रहे।

2/ कलेक्टर, कांकेर ने इस मॉडल से प्रभावित होकर पूरे जिले में इसे विस्तारित करने के लिए आश्रम स्कूलों के अधीक्षकों एवं आंगनबाड़ी केन्द्रों की संचालिकाओं को निर्देशित किया है तथा पोषण वाटिका की स्थापना हेतु प्रशिक्षण का आयोजन कृषि विज्ञान केन्द्र, कांकेर के माध्यम से किया जा रहा है।

मैं चाहूंगा कि तद्नुसार आप भी अपने जिले में इसे अपनाने हेतु कृषि विज्ञान केन्द्र के माध्यम से आवश्यक कार्यवाही करें।

संलग्न – उपरोक्तानुसार.

भवदीय
Vivek Dhand
(विवेक ढाँड)

समस्त कलेक्टर्स
छत्तीसगढ़

Case study TECHNOLOGY 2 - Wadi strengthening for enhancing nutritional security and farmers income

(A) Explanation of TECHNOLOGY disseminated - Agriculture is the main activity of tribal peoples of Kanker district. About 78% population lives in the villages and 70% of total population belong to the tribals. Most of the farmers are resource poor. They belong to small (34547) and marginal (37609) categories of land holders. Due to this reason, individual farmers cannot fulfil the resources required for commercial vegetable cultivation and their marketing. Most of the farmers are having wadi in their backyard but they used to practice vegetable farming for their subsistence. considering the physical, social and economic limitations of Kanker district, a scientific vegetable cultivation model was developed in their homesteads in participatory mode by KVK, Kanker.

Scientific vegetable cultivation in wadies

Size of Wadi – Usually size of wadi is small in size. It was ranges from 0.15 to 0.5 acre Majority (56%) of the farmers having an average wadi holding of 0.30 Acre. Only 44% of the farm families having wadi holding of 0.40 acre. Majority of the farmers cultivate vegetable in wadi almost round the year and get very good economic returns.

Procedure – Farmers which are having wadies were selected for scientific vegetable cultivation. Total 55 wadies in 4 villages namely Largaon, Aroud, Kotela, and Aturgaon of Kanker district were selected. Drip system was also established in 35 wadies with the synergy of Department of Horticulture.KVK sensitized the wadi farmers about scientific cultivation of vegetables through trainings and demonstrations and also provided improved and hybrid varieties of vegetable seeds. The time to time activities was monitored by KVK scientist. Farmers of **265 wadies** started scientific vegetable cultivation due to TECHNOLOGY.

(B) Farmers practices followed by farmers in operational area before TECHNOLOGY was disseminated – Farmers grow vegetable mainly for their own consumption in non scientific way. Due to which income from wadi was very low.


Farmers wadi before intervention

(B) Quantifiable differences in yield due to TECHNOLOGY – Before intervention average yield of vegetables in farmers wadi was 10 to 15 qtls/year. After starting scientific cultivation average yield of vegetables per wadi increased 25 to 30 qtls/year.

Scientific cultivation of vegetable and collective marketing

(D) Quantifiable differences in cost of cultivation in terms of reduction in labour & inputs for the farmers in operational area – On an average farmer were obtaining gross income of Rs. 18166 per wadi before intervention which was recorded Rs. 34701 after intervention during rainy season. Net income per wadi increased from Rs. 7741 to 13974 as impact of the interventions during rainy season. During rabi season, gross income increased from Rs. 8903 to 22276 per wadi as impact of the intervention. Net income increased from Rs. 3713 to 8932 per wadi as impact of the interventions. During summer season, the increases in gross and net income was respectively from Rs. 26351 to 71671 and 12116 to 29097.

Yield and economics of wadi cultivation befor and after intervention

Season	Ecological	Period of data	Area (Acres)	Gross return (Rs. Per badi)	Net return (Rs. Per badi)	Employment (nam days per badi)
Rainy season (June-Nov)	Rainfed	Before	0.30	14059	6464	43
		After	0.37	32285	13107	87
	Irrigated	Before	0.37	22273	9019	60
		After	0.44	37118	14841	98
Rabi season (Nov-Feb)	Rainfed	Before	0.14	3658	1682	11
		After	0.20	8378	3401	22
	Irrigated	Before	0.27	14149	5744	38
		After	0.31	36174	14463	96
Summer Season (Feb-May)	Irrigated	Before	0.23	26351	12116	80
		After	0.38	71671	29097	193
Annual total	Rainfed	**Before**	**0.44**	**17717**	**8146**	**54**
		After	**0.57**	**40664**	**16509**	**109**
	Irrigated	**Before**	**0.87**	**62773**	**26880**	**178**
		After	**1.12**	**144964**	**58401**	**387**

(E) Other benefits and impact from disseminated TECHNOLOGY -

Farmers yield increased two times by the intervention and farmers started vegetable cultivation on cluster basis. They also sharing irrigation sources and marketing on community basis.

Before Intervention

Low Production &
carry Vegetable on thier head

After Intervention

More Production & carry vegetable by Loading vehicle

(F) Number of farmers implemented disseminated TECHNOLOGY –

There are 500 farmers of Uttar Bastar Kanker district implemented these TECHNOLOGY.

Success story – 1

Name - **Ghasiya Ram Netam**
Education - Primary
Village - Kulgaon
Block - Kanker, District – Uttar Bastar Kanker

Shri Ghasiya Ram Netam is a farmer of tribal dominant district Kanker and is working hard in his field for his family survival. But due to lack of resources and technical knowledge he is not getting the desirable output even with his sufficient land holding for his existence. He came in contact of Krishi Vigyan Kendra (KVK) Kanker in the year 2013-14. KVK scientists provide training and technical guidance to Shri. Ghasiya ram and financial assistance through the IFS project. Now he practices integrated farming system in his farm by growing Rice, Fishery, Goatry and Poultry. He also started Azolla production for providing supplement feed to poultry and goatry.

Theme – IFS Model
Change in Income
Before intervention – Rs. 65700/ annum
After intervention - Rs. 122000/annum

By adopting, IFS model and rabi cropping, he doubled his annual income. The details of interventions he practiced are given below-

Land Holding (ha.)	Yield and Income per Annum							
	2013-14 (Before Intervention)				**2015-16 (After Intervention)**			
	Crop	Area (ha.)	Yield (q)	Grass Income (Rs)	Crop	Area (ha.)	Yield (q)	Grass Income (Rs)
2	Rice	1.8	55	60500	Rice	1.5	52.5	57750
	Poultry	15 No.	26 kg	5200	Fish	0.1	1.4	14000
					Poultry	25no.	58kg	15150
					Goatry	18no.	156kg	35300
	Total Income			**65700**				**122200**

Goatry

Poultry

Fishery

Rice crop

Vermi compost

Azolla pit

IFS Model of farmer Shri Ghasiya

Success story – 2

Name - **Mankuram Kange**
Education - Middle
Mobile No. - 8103584275
Village - Kulgaon, Block - Kanker
District - Uttar Bastar Kanker

Theme – IFS Model
Change in Income
Before intervention – Rs. 172040/ annum
After intervention - Rs. 225000/annum

Shri Mankuram Kange is a farmer of tribal dominant district Kanker and is working hard in his field for his family survival. But due to lack of resources and technical knowledge he is not getting the desirable output even with his sufficient land holding for his existence. Later on after the start of IFS project, he came in contact of Krishi Vigyan Kendra (KVK) Kanker in the year 2013-14. KVK scientists provide training and technical guidance to shri Mankuram kange and financial assistance by Project. Now he practices integrated farming system in his farm by growing Rice, Vegetable, Goatry and Piggery. He also planted fruit crops in small area for his family consumption.

By adopting this IFS model and rabi cropping he is now one of the successful farmer of the locality and is very well established and known farmer of the village. He is now a source of inspiration for all the other farmers of the locality who's are learning the things for improving their livelihood.

Land Holding (ha.)	Yield and Income per Annum							
	2013-14 (Before Intervention)				2015-16 (After ntervention)			
	Crop	Area (ha.)	Yield (q)	Grass Income (Rs)	Crop	Area (ha.)	Yield (q)	Grass Income (Rs)
4.0	Rice	4.0	156.40	172040	Rice	2.00	84.50	92950
					Vegetable	0.25	62.5	96750
					Goatry	7no.	74kg	18500
					Piggery	5no.	70kg	16800
	Total Income			**172040**				**225000**

Goat rearing

Vermi composting

Pig rearing

Vegetable cultivation on drip-irrigation system

Cereal crop production

IFS Model of farmer Shri Manku ram