

ANNUAL ACTION PLAN OF KVK KEONJHAR

[PERIOD – April 2016 to March, 2017]



**KRISHI VIGYAN KENDRA
KEONJHAR – 758002
ORISSA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
BHUBANESWAR – 751003**



Contents

Sl. No.	Particular	Page No
	Summary of Action Plan during 1 st April 2016 to 31 st March 2017	5
1	General Information	7
2	On Farm Testing	11
3	Frontline Demonstrations	15
4	Feedback System	21
5	Training programmes	23
6	Extension Activities	28
7	Production and supply of Technological products	29
8	Activities of Soil and Water Testing Laboratory	31
9	Rainwater Harvesting System	31
10	Kisan Mobile Advisory	32
11	Details of SAC Meeting	32
12	Literature to be Developed/Published	32
13	Convergence with Agricultural Schemes	33
14	Utilization of Farmer Hostel	33
15	Utilization of Staff Quarter	34
16	Details of KVK Agro-technological Park	34
17	Farm Innovators	35
18	KVK Progressive farmer interaction	35
19	Outreach of KVK	35
20	Technology Demonstrations under TDHPP/Tribal Sub Plan/QPM	35
21	KVK Ring	36
22	Important visitors to KVK	36
23	Status of KVK Website	36
24	Status of RTI	37
25	E-Connectivity (E- Linkage Lab)	37
26	Details of Technology Week Celebrations	37
27	Interventions on Drought Mitigation	38
28	Activities Under NICRA	40
29	Activities under NAIP	41
30	Status of Revolving Funds	41
31	Awards & Recognitions	42
32	Case study / Success Story	42
33	Well labeled photographs of various activities in JPEG format	42

Instructions for Filling the Format

- 1. Do not change/modify/ delete any column of any of the table. However, additional rows can be created, if required.**
- 2. Do not merge columns, rows.**
- 3. Please repeat the name of KVK in each table in the column “Name of KVK”.**
- 4. Do not fill the non-numerical values in numeric field**
- 5. Do not repeat the unit while reporting data as it is already mentioned in the heading row**
- 6. Strictly fill the data in desired unit only. If it is reported in other unit, convert it in the desired unit**
- 7. Please mention only Standard English names of crops (Do not mention Urd, Arhar, Til, Kulthi, Moong, Bajra, etc.)**
- 8. Additional relevant information may be provided at the end of Format mentioning “Additional Information”**
- 9. Do not press any Enter Key in any of the columns while making entry in the columns of the table. Use only arrow key /Tab key/ mouse pointer while movement from one column/row to another.**

Note for Annual Action Plan 2016-17

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

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

PERIOD – April 2016 to March, 2017

Summary of the activities

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/ beneficiaries	Number of activity	No. of farmers/ beneficiaries	
	OFTs	12	156			
	FLDs – Oilseeds (activity in ha)	10	30			
	FLDs – Pulses (activity in ha)	10	30			
	FLDs – Cotton (activity in ha)	-	-			
	FLDs – Other than Oilseed and pulse crops(activity in ha)	33ha (12nos)	120			
	FLDs – Other than Crops (activity in no. of Unit/Enterprise)	12/4	40			
	Training-Farmers and farm women	46	1030			
	Training-Rural youths	5 + VT- 5	60+20			
	Training- Extension functionaries	6	80			
	Extension Activities	743	-			
	Seed Production (Number of activity as seeds in quintal)	110.5Q	OSSC			
	Planting material ((Number of activity as quantity of planting material in quintal)	5000	-			
	Seedling Production (Number of activity as number of seedlings in numbers)	1,40,000 nos	475			
	Sapling Production (Number of activity as number of sapling in numbers)	-	-			
	Other Bio- products (No. of quantity)	5000 nos./ 100Q/20kg	600			
	Live stock products	1000 nos	50			
	Activities of Soil and Water Testing Laboratory	650 nos	220			
	Rainwater Harvesting System					
	Kisan Mobile Advisory (KVK-KMA)	100	1450			
	SAC Meeting (Date & no. of core/ official members)	2	60			

KVK Name	Activity	Target		Achievement		Total value of resource generated/Fund received from diff. sources (Rs.)
		Number of activity	No. of farmers/beneficiaries	Number of activity	No. of farmers/beneficiaries	
	Literature to be Developed/Published	30				
	Convergence programmes / Sponsored programmes	2 nos	100			
	Utilization of Farmers Hostel	10	60			
	Utilization of Staff Quarters	2 no				
	Details of KVK Agro-technological Park	-				
	Crop Cafeteria-	1				
	Farm Innovators- list of 10 farm innovators from the District	2	2			
	Status of Revolving Funds					
	Awards and Recognitions	-	-			
	Case study / Success Story to be developed	2	2			
	KVK Progressive Farmers interaction	4	100			
	Outreach of KVK in the District (No. of blocks, no. of villages)	9 & 36	2500			
	Technology Demonstration under Tribal Sub Plan					
	KVK Ring					
	Important visitors to KVK					
	Status of KVK Website					
	Status of RTI					
	E-connectivity					
	Details of Technology Week Celebrations					
	Interventions on Drought Mitigation					
	Proposal of NAIP					
	Proposal of NICRA					
	Well labeled photographs					
	Other Activities					

1. GENERAL INFORMATION

1.1. Staff Position (as on date)

Name of KVK.	Sanctioned post	Name of the incumbent	Discipline	Highest degree	Subject of Specialization	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
Keonjhar	Senior Scientist & Head	Dr. Sujit Ku. Nath	Extension Education	Ph.D (Ag),	Agril. Extension Education	15,600-39,100+8000 (AGP)	15600	12.11.2016	Permanent	Others
Keonjhar	Scientist 1	Mr. Prasanta Kumar Nanda	Plant Protection	M.Sc (Ag)	Entomology	15,600-39,100+6000 (AGP)	22220	25.08.2006	Permanent	Others
Keonjhar	Scientist 2	Mr. Jibanjit Sen	Soil Science	M.Sc (Ag)	Soil Microbiology	15,600-39,100+6000 (AGP)	22220	26.06.2006	Permanent	Others
Keonjhar	Scientist 3	Dr.Laxmipriya Pradhan	Home Science	PhD	Home Science. Extension Education	15,600-39,100+6000 (AGP)	19810	11.09.2014	Permanent	Others
Keonjhar	Scientist 4	Vacant								
Keonjhar	Scientist 5	Vacant								
Keonjhar	Scientist 6	Vacant								
Keonjhar	Programme Assistant	Miss. Sipra Das	Soil Science	M.Sc (Ag)	Soil Sc.	9300-34800 GP 4200	9710	21.03.2016	Contractual	Others
Keonjhar	Farm Manager	Mrs. Amrita Mohapatra	Horticulture	Ph.D (Hort.)	Fruit Science	9300-34800 GP 4200	9300	31.07.2015	Contractual	Others
Keonjhar	Computer Programmer	Mrs. Mamata Naik	Computer	M.Sc., MCA	Networking	9300-34800 GP 4200	9300	10.07.2014	Permanent	Others
Keonjhar	Accountant / superintendent	Vacant								
Keonjhar	Stenographer	Mr. Babuli Sahoo	Stenography	B.SC	PGDCA	5200-20200 2400(GP)	7560	10.07.2014	Contractual	Others
Keonjhar	Driver	Mr. Ajay Kumar Lenka		9 th pass		5200-20200 +1900(GP)	6600	21.07.2008	Contractual	Others
Keonjhar	Driver	Mr. Saroj Ku. Mishra		Graduation		5200-20200 +1900(GP)	5640	10.02.2014	Contractual	Others
Keonjhar	Supporting staff	Mr. Chitta Ranjan Dehury		7 th pass		4440-7440+1300 (GP)	5580	29.07.2008	Contractual	ST
Keonjhar	Supporting staff	Mr Hari Gouda		8 th pass		4750-7440 +1500 GP	4940	20.01.2015	Contractual	Others

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

A. Basic Information:

Agro-climatic zone	North Central Plateau Zone
Agro-ecological situation (AES)	7
Total Geographical Area	8.31 lakh ha
Normal Rainfall	1487.7mm
Irrigated area	63308 ha (Kharif) 31897 ha (Rabi)
Cropping intensity	140
No. of Sub-division	3
No. of Blocks	13
No. of GPs	186
No. of Villages	2133

B. LAND UTILIZATION PATTERN

Forest Area	403680 ha
Cultivable Area	302000 ha
Cultivated Area	2,97,873 ha
A) Upland	158653 ha
B) Medium Land	99832 ha
C) Low Land	39388 ha
Mis. & Tree grooves	6000 ha
• Permanent Pasture	38000
Culturable waste	24447 ha

Land put to un agricultural use	34000
Barren and uncultivable land	27000

C. DEMOGRAPHIC PROFILE OF THE DISTRICT

Total Population	15.62 lakhs
• Schedule Caste	11.6 %
• Schedule Tribe	44.5%
• Others	43.9%
Population Density	188/sq. km
No. of farm families	213444
Small farmer	77,025
Marginal farmer	10,3016
Big farmer	33,403
Literacy percentage	51%

E. Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Paddy-Mustard + Poultry
2	Paddy-Vegetables (Tomato, Brinjal, Cole crops and cucurbits) + Sericulture
3	Paddy-pulse (Chick pea, Green gram, Black gram, Field pea etc.) + Apiculture
4	Vegetable (Kharif tomato, raddish, Cauliflower-Vegetables (tomato, brinjal cole crops)
5	Ground nut-fallow
6	Paddy-Paddy + Fishery +Duckery/Poultry
7	Paddy-Ground nut + Poultry
8	Pulses-Vegetable
9	Paddy-linseed
10	Mango + Spices (Ginger and turmeric) +Poultry
11	Horti-silviculture + Duckery + Poultry
12	Niger-Fallow
13	Maize-Vegetable

14	Paddy-Wheat
15	Paddy-Mustard-Vegetable (Tomato)

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

KVK Name	Village Name	Year of adoption	Block Name	Distance from KVK	Population	Number of farmers (having land in the village)
Keonjhar	Tentuli	2014	Banspal	12	320	66
Keonjhar	Dimirimunda	2014	Keonjhar Sadar	19	495	87
Keonjhar	Sankarpur	2014	Sadar	22	920	143
Keonjhar	Angikala	2014	Patna	48	1130	192
Keonjhar	Sendcap	2015	Banspal	27	657	85

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

KVK Name	THRUST AREA
Keonjhar	Crop diversification and Intensification in Rainfed up lands
Keonjhar	Varietal replacement in field and vegetable crops
Keonjhar	Area and technology expansion for off-season vegetable cultivation
Keonjhar	Cultivation of more remunerative crops like onion, garlic, spices, broccoli etc.
Keonjhar	Area expansion of fruit crops and fruit based intercropping
Keonjhar	Soil health management through better and efficient utilization of farm residues
Keonjhar	Integrated nutrient management and correction of micronutrient deficiencies
Keonjhar	Management of problematic soil (Acidic and Iron toxicity)
Keonjhar	Enforcement of IPM strategies in crops with particular emphasis to plant diversity, botanicals, bio-pesticides and behavioural aspects
Keonjhar	Pond based integrated farming system for sustainable production and income
Keonjhar	Integrated nutrient and feed management for improving the pond productivity and high fish production
Keonjhar	Better management practices (BMP) in seasonal water bodies for higher fish production
Keonjhar	Introduction of fast growing and high value fish and shell fishes and adoption of advance culture practices
Keonjhar	Weed management practices in different crops
Keonjhar	Promotion of different agro-based enterprises for women empowerment
Keonjhar	Value addition in vegetables, underutilized fruits and tuber crops
Keonjhar	Medicinal plant cultivation
Keonjhar	Practicing agro-forestry and forest based intercropping
Keonjhar	Organization of farmers group

2. On Farm Testing

2.1 Information about OFT to be conducted

KVK name	Year/season	Problem diagnose	Category of technology (Assessment / Refinement)	Thematic Area	Crop/enterprise	Farming Situations	Target	No. of trials	Title of OFT	Results (with parameter)		Net Returns (Rs./ha)	
										Farmer practice T1	Rec. Tech T2	T1	T2
Keonjhar	Kharif 16	Lack of irrigation restricts the farmers to go for second crop	Assessment	ICM	Crop	Rabi , Medium land, rainfed, rice – fallow		13	Assessment of rice based Paira cropping systems in rice-fallow				
Keonjhar	Kharif 16	Sole maize cropping with broadcast ing, no basal fertilizer	Assessment	ICM	Crop	Kharif, unbunded upland, rainfed		13	Assessment of maize+cowpea intercropping in unbunded upland				
Keonjhar	Kharif 16	Lack of irrigation restricts the farmers to go for second crop	Assessment	ICM	Crop	Rabi , Medium land, rainfed, rice – fallow		13	Assessment of rice-chickpea cropping system cultivation in rice-fallow				
Keonjhar	Kharif 16	Low yield due to heavy infestation of white fly	Assessment	IPM	Crop	Late Rabi, Irrigated medium land, Paddy-Okra cropping system		13	Assessment of YMV management in Okra				

Keonjhar	summer 2016-17	Low yield of Water melon due to heavy infestation of fruit fly infestation	Assessment	IPM	Crop	Summer , Medium land, Irrigated, rice- watermelon cropping system,		13	Assessment of fruit fly management in Water melon.				
Keonjhar	Rabi 16-17	Low yield due to high infestation of sucking pest complex in Brinjal	Assessment	IPM	Crop	Irrigated Medium land, Maize- Brinjal cropping system		13	Assessment of sucking pest management in Brinjal				
Keonjhar	Kharif 2016	Low yield due to more infestation of weeds and fruit rotting	Assessment	Resource conser vation	Crop	Kharif ,Irrigated (Deep bore well) upland, hybrid variety, Veg - Veg cropping system		13	Assessment of plastic mulching and stacking on tomato				
Keonjhar	Kharif 16	Low yield of rice due to poor nutrient management	Assessment	INM	Crop	Irrigated medium land, rice- chickpea cropping system		13	Assessment of Rice crop manager in transplanted rice.				
Keonjhar	Rabi 16-17	Low quality and yield due to sulphur deficiency	Assessment	INM	Crop	Irrigated medium land		13	Assessment of sulphur on onion in rice- onion cropping system				

Keonjhar	Kharif 16	Low output & Drudger y due to manual weeding	Assessment	Drudger y Reductio n	Vegetable	Rainfed / irrigated upland		13	Assessment of different welders for weeding in Off Season Vegetable for drudger y reduction.					
Keonjhar	Kharif 16	Poor procure ment price in local market / trader, restrictio n on transportation and trading of unproce ssed tamarind . Demand for Value added products .	Assessment	Income generati on And Value addition	Tamarind	Homestea d		13	Assessment of different product / practices for value addition of tamarind.					
Keonjhar	Rabi 16-17	Non-availabil ity of paddy straw mushroo m in winter Due to	Assessment	Income generati on	Mushroo m	Backyard		13	Assessment low cost poly house for production of paddy straw mushroom in winter					

		low atmospheric temperature & humidity.											
Keonjhar	Rabi 16-17	Low income of farm families Wastage of agricultural substrate	Assessment	Income generation	Mushroom	Homestead		13	Assessment of locally available substrate for production of oyster mushroom				

2.1a Recommendations of OFTs

Recommendations		
Title of OFT	For Farmers	For Deptt. Personnel

2.2 Economic Performance

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

3. Frontline Demonstrations

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

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

KVK Name	Crop/ Enterprise	Thematic Area	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
					No. of villages	No. of farmers	Area in ha

3.2 Details of FLDs to be implemented during 2016-17

KVK Name	Thematic area	Name of Crop/ Enterprise	Season and year	Technology demonstrated	Crop- Area (ha) / Entrep - No.	Name of Variety Entreprizes	Results (q/ha)		% change	No. of farmers				
							Demons	Check		SC	ST	OBC	Others	Total
Keonjhar	IPM	Paddy	Kharif 16	Demonstration of Tebuconazole + Trifloxitrobin for the management of Sheath blight in paddy	2.0	Lalat								
Keonjhar	IPM	Brinjal	Kharif 16	Demonstration of tetracycline tablets and Flonicamide in management of little leaf in brinjal	2.0	Green star								

Keonjhar	IPM	Sunflower	Summer 16-17	Demonstration of Indoxacarb 14.5 SC for the management of Sunflower head borer	2.0	JK-Chitra									
Keonjhar	IPM	Blackgram	Rabi 16-17	Demonstration of Yellow sticky traps in management of YMV in Blackgram	2.0	PU-35									
Keonjhar	INM	Paddy	Rabi 16-17	Demonstration of Boron application in paddy in rice-vegetable cropping system	2.0	Naveen									
Keonjhar	INM	Paddy	Kharif 16	Demonstration of Sulphur application in field pea	2.0	Lalat									
Keonjhar	INM	Pigeon Pea	Kharif 16	Demonstration of lime(0.2LR) application in pigeon pea	2.0	Asha									
Keonjhar	INM	Field Pea	Rabi 16-17	Demonstration of Sulphur application in field pea	2.0	Aparna									
Keonjhar	INM	Tomato	Rabi 16-17	Demonstration of consortia of micro-organism (<i>Azotobacter</i>+<i>Azospirillum</i>+P.S.B) in tomato	2.0	BT-10									

Keonjhar	Safe storage of grains	Pulses	Kharif & Rabi 2016-17	Demonstration of Grain Pro-super bag for storage of pulses	10	Green gram and Black gram								
Keonjhar	Income generation	Mushroom	Rabi-2016-17	Demonstration of different varieties of Oyster Mushroom.	10	P.sajorcaju and H.ulmarious								
Keonjhar	Value addition and nutritional security	Stone Apple	Summer 2017	Demonstration of Practices for enhancing shelf life of stone apple pulp	10	Stone Apple(Bel fruits)								
Keonjhar	Drudgery reduction	Mahual	Kharif-2016	Demonstration of Mahua decorticator for drudgery reduction of farm women	10	Mahula								

3.3 Economic Impact of FLD

KVK Name	Name of Crop/ Enterprise	Technology demonstrated	Parameters			Cost of cultivation (Rs/ha)		Gross Return (Rs/ha)		Average Net Return (Rs/ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)	
			Name and unit of Parameter	Demo	Check	Demo	Check	Demo	Check	Demo	Check	Demo	Local Check

--	--	--	--	--	--	--	--	--	--	--	--	--	--

3.4 Training and Extension activities proposed under FLD

KVK Name	Crop	Activity	No. of activities organized	Number of participants	Remarks
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	

		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	

		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	
Keonjhar		Field days	1	40	
		Farmers Training	1	20	
		Media coverage	1	-	
		Training for extension functionaries	-	-	

3.5 Details of FLD on crop hybrids.

Sr.No.	Name of the KVK	Name of the Crop	Name of the Hybrids	Source of Hybrid (Institute/Firm)	No. of farmers	Area in ha.
1	Keonjhar	Sunflower	JK-Chitra		10	2.0

4. Feedback System

4.1. Feedback of the Farmers to KVK

Name of KVK	Feedback			
	Technology appropriations	Methodology used	Benefits of OFT/FLD	Future Adoption

4.2. Feedback from KVK to Research System.

Name of KVK	Feedback basic of OFT on Technology Tested

Abbreviation Used

FW	(A) Farmers & Farm Women
RY	(B) Rural Youths
IS	(C) Extension Personnel
ONC	On Campus Training Programme

OFC	Off Campus Training Programme
M	Male
F	Female
T	Total
Thematic Areas for Training	
CP	Crop Production
HOV	Horticulture – Vegetable Crops
HOF	Horticulture-Fruits
HOO	Horticulture- Ornamental Plants
HOP	Horticulture- Plantation crops
HOT	Horticulture- Tuber crops
HOS	Horticulture- Spices
HOM	Horticulture- Medicinal and Aromatic Plants
SFM	Soil Health and Fertility Management
LPM	Livestock Production and Management
WOE	Home Science/Women empowerment
AEG	Agril. Engineering
PLP	Plant Protection
FIS	Fisheries
PIS	Production of Inputs at site
CBD	Capacity Building and Group Dynamics
AGF	Agro-forestry
OTH	Others
RY	Rural Youth
IS	Extension Personnel

5. TRAINING PROGRAMMES

- 1. Training programmes should be strictly covered under above mentioned thematic areas only.**

2. For category, training type and thematic area, use abbreviations only.

Table 5.1: Documentation of the need assessment conducted by the KVK for the training programme

Name of KVK	Category of the training	Methods of need assessment	Date and place	No. Of participants to be involved

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

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8	9	10	11	12	13	14			
Keonjhar	FW	OFC	PLP	IPM for management of sheath blight in rice	1	1	25								
Keonjhar	FW	OFC	PLP	Management of wilt disease in tomato	1	1	25								
Keonjhar	FW	OFC	PLP	Management of sucking pest complex in Brinjal	1	1	25								
Keonjhar	FW	OFC	PLP	Management of YMV in Black gram	1	1	25								
Keonjhar	FW	OFC	PLP	IPM practices for management of Leaf miner in Tomato	1	1	25								
Keonjhar	FW	OFC	PLP	Management of early blight in potato	1	1	25								
Keonjhar	FW	OFC	PLP	Management for head borer in sunflower	1	1	25								
Keonjhar	FW	OFC	PLP	Different methods of seed treatment techniques in crops	1	1	25								
Keonjhar	FW	OFC	PLP	Management of fruit borer in Okra	1	1	25								
Keonjhar	FW	OFC	PLP	Integrated management of fruit fly management in cucumber	1	1	25								
Keonjhar	FW	OFC	PLP	Management of Leaf folder in rice	1	1	25								
Keonjhar	FW	OFC	PLP	Integrated Management of pod borer in pea	1	1	25								
Keonjhar	FW	OFC	SFM	Production technology for Maize	1	1	25								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14		
Keonjhar	FW	OFC	SFM	Application techniques of micronutrient in different crops.	1	1	25								
Keonjhar	FW	OFC	SFM	Methods of biofertilizer application in vegetables	1	1	25								
Keonjhar	FW	OFC	SFM	Management of iron toxicity in paddy	1	1	25								
Keonjhar	FW	OFC	SFM	Importance of Soil testing and soil sample collection technique	2	2	25								
Keonjhar	FW	OFC	SFM	Application techniques of azolla in paddy	1	1	25								
Keonjhar	FW	OFC	SFM	Production technology of toria	1	1	25								
Keonjhar	FW	OFC	SFM	Simple composting techniques	1	1	25								
Keonjhar	FW	OFC	SFM	Recycling of crop residues by improved methods.	1	1	25								
Keonjhar	FW	OFC	SFM	Nutrient management in pulse crops.	1	2	25								
Keonjhar	FW	OFC	SFM	Methods of lime application in Acid soil	1	1	25								
Keonjhar	FW	OFC	SFM	Nutrient management in groundnut	1	1	25								
Keonjhar	FW	OFC	WOE	Production technology of paddy straw mushroom for income generation	1	2	25								
Keonjhar	FW	OFC	WOE	Brooding management of backyard poultry.	1	1	25								
Keonjhar	FW	OFC	WOE	Preservation & Value addition of Mango through mango squash & RTS	1	2	25								
Keonjhar	FW	OFC	WOE	Layout , Planning & Selection of suitable varieties of vegetable for backyard kitchen gardening	1	1	25								
Keonjhar	FW	OFC	WOE	Preparation of model Kitchen garden for nutritional security of farm families	1	1	25								
Keonjhar	FW	OFC	WOE	Production technology of Oyster mushroom mushroom for income generation	1	2	25								
Keonjhar	FW	OFC	WOE	Preparation of nursery bed for quality seedlings	1	2	25								
Keonjhar	FW	OFC	WOE	Storage practices for Safe storage of grain	1	1	25								

Name of KVK	Category	Training Type	Thematic area	Training Title	No. of Courses	Duration (Days)	Target for No. of participants	Participants							
								General		SC		ST		Others	
								M	F	M	F	M	F	M	F
1	2	3	4	5	7	8		9	10	11	12	13	14		
Keonjhar	FW	OFC	WOE	Use of drudgery reduction implements for farm women	1	1	25								
Keonjhar	FW	OFC	WOE	Preservation of vegetables through dehydrated method	1	1	25								
Keonjhar	FW	OFC	WOE	Production technology of paddy straw mushroom for income generation	1	2	25								
Keonjhar	RY	ONC	PLP	Honey bee cultivation as a source of livelihood	1	4	10								
Keonjhar	RY	ONC	SFM	Vermicomposting	1	4	10								
Keonjhar	RY	ONC	WOE	Preservation & value addition of vegetables	1	4	20								
Keonjhar	RY	ONC	WOE	Preparation of Paddy craft	1	4	20								
Keonjhar	RY	ONC	WOE	Preservation & value addition of Tamarind	1	4	25								
Keonjhar	IS	ONC	PLP	Management of pests and diseases in vegetables	1	1	10								
Keonjhar	IS	ONC	PLP	Management of pests and diseases in mango	1	1	10								
Keonjhar	IS	ONC	SFM	Management of Acid Soil	1	1	10								
Keonjhar	IS	ONC	SFM	Management of alkaline Soil	1	1	10								
Keonjhar	IS	ONC	WOE	Income generation activities for farmwomen	1	2	15								
Keonjhar	IS	ONC	WOE	Preservation & value addition of fruits	1	2	15								

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

Name of KVK	Training title	Crop / Enterprise	Identified Thrust Area	Duration of training (days)	Number of Beneficiaries					
					SC		ST		Others	
					M	F	M	F	M	F
Keonjhar	Preparation of bio-pesticides from different leaf extracts	Enterprise	Alternative livelihood option	5						
Keonjhar	Different methods of Compost preparation and its application technique	Enterprise	Alternative livelihood option	5						
Keonjhar	Organic farming for sustainable agriculture	Enterprise	Alternative livelihood option	5						
Keonjhar	Commercial mushroom production	Enterprise	Alternative	5						

			livelihood option							
Keonjhar	Preservation & value addition of Seasonal fruits & vegetables	Crop	Value Addition	5						

Table 5.4. Details of training programme to be conducted for Livelihood Security in rural areas by the KVKs

Name of KVK	Training title	Self employed after training			Number of persons employed else where
		Type of units	Number of units	Number of persons employed	

Table 5.5. Sponsored Training Programmes

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

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

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

Table 5.7 Evaluation/Follow up & Impact of the training programmes conducted by the KVK (all types of trainings)

Name of KVK	Title of the training	No. of trainees	Change in knowledge (Score)		Change in Production (q/ha)		Change in Income (Rs)		Impact on 1. Area expanded (ha) 2. No. of farmers adopted (no.) 3. % change in knowledge, production & Income
			Before	After	Before	After	Before	After	

6. EXTENSION ACTIVITIES

Name of the KVK	Activity	No. of activities (Targeted)	No. of activities (Achieved)	Detail of Participants						Remarks		
				Farmers (Others)		SC/ST (Farmers)		Extension Officials		Purpose	Topic s	Crop Stages
				M	F	M	F	M	F			
Keonjhar	Field Day	24										
Keonjhar	Kisan Mela	2										
Keonjhar	Kisan Ghosthi	12										
Keonjhar	Exhibition	3										
Keonjhar	Film Show	52										
Keonjhar	Method Demonstrations	24										
Keonjhar	Farmers Seminar	4										
Keonjhar	Workshop	1										
Keonjhar	Group meetings	16										
Keonjhar	Lectures delivered as resource persons	34										
Keonjhar	Newspaper coverage	15										
Keonjhar	Radio talks	6										
Keonjhar	TV talks	4										
Keonjhar	Popular Articles	15										
Keonjhar	Extension Literature	10										
Keonjhar	Farm Advisory Services	54										
Keonjhar	Scientific visit to farmers field	185										
Keonjhar	Farmers Visit to KVK	500										
Keonjhar	Diagnostic Visits	56										
Keonjhar	Exposure Visits	05										
Keonjhar	Ex-trainees Sammelan	04										
Keonjhar	Soil Health Camp	6										
Keonjhar	Animal Health Camp	2										
Keonjhar	Agri Mobile Clinic	-										
Keonjhar	Soil Test Campaigns	12										
Keonjhar	Farm Science Club conveners meet	-										
Keonjhar	Self Help Group conveners meetings	5										

7. Production and supply of Technological products

7.1 SEED production

KVK Name	Major group/class	Crop	Variety	Type of produce (for Seed produced type here SD; For Planting Material type here PM)	Quantity	Unit for quantity of produces (qtl for SD and Nos for PM)	Value (Rs.)	Provided to No. of Farmers
Keonjhar	Cereals							
Keonjhar		Rice	Khandagiri	SD	62.5	Qtl.	1,43,125	OSSC
Keonjhar			Lalat	SD	15	Qtl.	34,350	OSSC
Keonjhar		Sesamum	Prachi	SD	8.0	Qtl.	38,480	OSSC
Keonjhar		Arhar	Asha	SD	25.0	Qtl.	1,62,500	OSSC

7.2 Planting Material production

KVK Name	Major group/class	Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
						Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Keonjhar	Vegetable Seedling	Tomato	June	July		BT-10		50,000	15000	25000	Round the year
Keonjhar	Vegetable Seedling	Chilli	sept	Oct		Agni Rekha		5000	1200	2500	Round the year
Keonjhar	Vegetable Seedling	Cabbage	October	November		Bahar, Riya Hybrid		25000	10000	25000	
Keonjhar	Vegetable Seedling	Brinjal	July	August		Super green, Green star		25000	7500	12500	Round the year
Keonjhar	Vegetable Seedling	Cauliflower	October	November		Hemlata, Kashmiri		25000	12500	25000	
Keonjhar	Vegetable Seedling	Papaya	June	August		CO-2, CO-3		5000	10000	25000	

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

KVK Name	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
Keonjhar	BIOAGENTS				
Keonjhar	BIOFERTILIZERS (Vermicompost)	100q	24000	50000	
Keonjhar	BIOFERTILIZERS (Vermin)	20kg	2000	8000	
Keonjhar	Mushroom spawn	5000 nos	40000	50000	
Keonjhar	Mushroom	100kg	5000	9000	
Keonjhar	BIO PESTICIDES				

7.4 Livestock and fisheries production

KVK Name	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
Keonjhar	Cattle						
Keonjhar	Buffalo						
Keonjhar	Sheep and Goat						
Keonjhar	Poultry	Vanaraja	Chicks	1000	40000	55000	
Keonjhar	Duckery	Khaki Campbel	Chicks	200	8800	11000	
Keonjhar	Fisheries	Catla, Rahu, Mirgal	Fish	100kg	8000	10000	
Keonjhar	Ornamental fish	Ornamental	Frys	100 pair	600	1500	
Keonjhar	Others (Specify)						

8. Activities of Soil and Water Testing Laboratory

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

Year of establishment : -2007

8.1 Details of soil & water samples analyzed so far :

KVK Name	Type	No. of Samples	No. of Farmers	No. of Villages	Amount released	Resources to be generated
Keonjhar	Soil Sample	1008	230	48	-	5040
Keonjhar	Water Sample	-	-	-	-	-

9. Rainwater Harvesting, if available.

Training programmes to be conducted by using Rainwater Harvesting Demonstration Unit

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

10. Kisan Mobile Advisory (KVK-KMA)

KVK Name	No. of messages to be sent	No. of beneficiaries		Major recommendations
		Farmers	Ext. Pers.	
Keonjhar	100	1350	100	INM,IPM,IFS, Production and management, Mushroom, Weed management, Variety etc.,

11. Details of SAC Meeting

KVK Name	Date of SAC meeting	No. of SAC members attended	Major recommendations
Keonjhar	06.06.2016 & 08.09.2016	30	

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

12.1 KVK Newsletters

KVK Name	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Keonjhar	June	April 2016-June 2016	500	500
Keonjhar	September	July 2016 – Sept 2016	500	500
Keonjhar	December	Oct 2016 – Dec 2016	500	500
Keonjhar	March	Jan 2017 – Mar 2017	500	500

12.2 Details of Electronic Media to be Produced

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

12.3 PUBLICATIONS

Category	Number	Date of start	Periodicity	Number of copies to be printed	Number of copies to be distributed
Research Paper	1	-	-	50	50
Technical bulletins	3	-	-	100	100
Technical reports	4	-	-	20	20
Popular article	6	-	-	-	-
News paper coverage	8	-	-	-	-
Year Planner	1	April 2016	April2016-March2017	100	90
Others (pl. specify)					

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

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

14. Utilization of Farmers Hostel.

Accommodation available (No. of beds):

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

15. Utilization of Staff Quarters.

KVK Name	Year of construction	Year of allotment	No. of quarters occupied	No. of quarters vacant	Reasons for vacant quarters, if any
Keonjhar		2005	1	-	
Keonjhar	2011 (3 nos.)	2011	-	3	Due to non-availability of supply water

16. Details of KVK Agro-technological Park –

a) Have you prepared layout plan, where sent?

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

b) Details about Technology Park

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

c). Crop Cafeteria-

Sr. No.	Theme of Crop Cafeteria	No. of Crop Cafeteria

17. Farm Innovators- list of 10 Farm Innovators from the District

Sr. No.	Name of kvk	Name of Farm Innovator	Name of the Innovation	Address of the farmer with Mobile No.
1	Keonjhar	Ratnakar Mohanta	Modified low cost cono weeder	At-Hatikucha, P.O.- Nuagaon, Dist-Keonjhar
2	Keonjhar	Laxmidhar Mohanta	Yellow sticky trap	At:Basudevpur, block: Sadar, Dist-Keonjhar

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

Sr. No.	Date and month of interaction programme with progressive farmers	No. of progressive farmers to be participated
1	May 2016	25
2	August 2016	25
3	September 2016	25
4	February 2017	25

19. Outreach of KVK

Name of KVK	Number of Blocks		Number of Villages	
	Intensive	Extensive	Intensive	Extensive
Keonjhar	5	7	28	16

Intensive- OFTS, FLDS etc

Extensive- Literatures, Publications, Awareness programmes etc.

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

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

21. KVK Ring

Sr. No.	Name of Ring Partner	Sharing Activity	Lessons learnt/ Experiences gained.

1	KVK, Deogarh	Sharing of soil testing facility, sharing of man power, sharing quality planting material and machinery etc.	
2	KVK, Mayurbhanj-II		

22. Important visitors to KVK

Name of KVK	Name of Visitor	Date of Visit	Remarks
Keonjhar	Prof. Santosh Kumar Rout, DEE, OUAT, Bhubaneswar		
Keonjhar	Dr. N. Thirumala Naik, Collector, Keonjhar		

23. Status of KVK Website:

Sr. No.	Name of KVK	Date of start of website	No. of updates since inception	No. of visitors
1	Keonjhar	23.11.2010	42	

24. Status of RTI

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

25. E-CONNECTIVITY (ERNET Lab)

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

26. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Name of KVK	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
Keonjhar	Gosthies			
Keonjhar	Farmer Scientist interaction	1	40	Related to crop
	Road show	1	40	Soil health campaign
Keonjhar	Film show	-	-	-
Keonjhar	Focus group discussion	1	40	Off-season vegetable cultivation
Keonjhar	Awareness camp	4	160	Safe use of insecticide, Seed treatment campaign, Method of Weedicide application, Soil test campaign
Keonjhar	FIG meeting			
Keonjhar	Ex-trainee Sameelan			
Keonjhar	Farm Visit			
Keonjhar	Diagnostic Practical's			
Keonjhar	Distribution of Literature (No.)	200	200	
Keonjhar	Distribution of Seed (q)			
Keonjhar	Distribution of Planting materials (No.)			
Keonjhar	Bio Product distribution (Kg)			
Keonjhar	Bio Fertilizers (q)			

27. INTERVENTIONS ON DROUGHT MITIGATION

Introduction of alternate crops/varieties

Sl. No.	Name of KVK	Crops/cultivars	Area (ha)	Number of beneficiaries

Major area coverage under alternate crops/varieties

Sl.	Name of KVK	Crops	Area (ha)	Number of beneficiaries

No.				
1	Keonjhar	Oilseeds	15	25
2	Keonjhar	Pulses	15	25
3	Keonjhar	Cereals	10	20
4	Keonjhar	Vegetable crops		
5	Keonjhar	Tuber crops	8	20
6	Keonjhar	Fruits		
7	Keonjhar	Spices		
8	Keonjhar	Cotton		
		Total	48	90

Farmers-scientists interaction on livestock management

Sl. No.	Name of KVK	Livestock components	Number of interactions	No. of participants
1	Keonjhar	Dairy Management	1	30
2	Keonjhar	Disease management	1	30
3	Keonjhar	Feed and fodder technology	1	40
4	Keonjhar	Poultry management	2	50

Animal health camps to be organized

Name of KVK	Number of camps	No. of animals	No. of farmers
Keonjhar	1	150	150

Seed distribution in drought hit states

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

Seedlings and Saplings to be distributed

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

			(ha)	farmers
Seedlings				
Keonjhar	Papaya, Mango, Tomato, Chilli, Cabbage, Brinjal	80,000	8 ha	1000

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
Keonjhar	Vermicompost	10000	-	100

Verms Produced

Name of KVK	Verms Produced	Quantity (q)	Coverage of Area (ha)	No. of Farmers
Keonjhar	Vermis	0.5		30

Large scale adoption of resource conservation technologies

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

Awareness Campaign

Name of KVK	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers	No.	No. of farmers
Keonjhar	2	50	1	30	2	60	2	400	3	600	6	150

28. Proposal of NICRA

1. Technologies to be Demonstrated

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

2. Proposed Extension Activities in NICRA Village

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

3. Proposed Training Activities in NICRA Village

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

4. Proposed Activities for Fodder Bank

Established (Years)	Capacity	Current Status

5. Proposed Activities for Seed Bank

Established (Years)	Capacity	Current Status

6. Public Representative/District Administration Visited in NICRA Village

Name of Representative/Officer	Designation	Date of Visit

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

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

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

30. Status of Revolving Funds (Rs.)

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

31. Awards & Recognitions

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

32. Case study / Success Story to be developed –

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

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

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