PROFORMA FOR ANNUAL REPORT OF KVKS, 2012-13

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Address	Telephone		E mail
Krishi Vigyan Kendra, Rice Research Station Wangbal, Thoubal-795138	Office	FAX	kvkthoubal@gmail.com

1.2 .Name and address of host organization with phone, fax and e-mail

Address	Telephone		E mail
	Office	FAX	
Department of Agriculture, Government of Manipur, Sanjenthong Imphal-795001.	-	-	-

1.3. Name of the Programme Coordinator with phone & mobile No

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.M.Thoithoi Singh		9856282339	thoithoi_pp@yahoo.co.in

1.4. Year of sanction: 16th Nov.,2005

1.5. Staff Position (As on 31st March, 2013)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator				12,000-375-16,500 (Pre-revised)			Temporary	
2	Subject Matter Specialist	N.Tomba Singh	SMS (Agronomy)	Agronomy	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
3	Subject Matter Specialist	Dr.M.Thoithoi Singh	i/c,Programme Coordinator SMS (Plant protection)	Plant protection	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
4	Subject Matter Specialist	S.Sumangal Singh	SMS (Plant Breeding & Genetics)	PBG	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
5	Subject Matter Specialist	Y.Bedajit Singh	SMS (Fisheries)	Fisheries	15,600-39100-P.B-3	16,880	12-4-07	-do-	-do-
6	Subject Matter Specialist	Dr.S.Zeshmarani	SMS (Animal Sc.)	Animal Science	15,600-39100-P.B-3	16,880	12-4-07	-do-	-do-
7	Subject Matter Specialist	Kh.Premlata Devi	SMS (Horticulture)	Horticulture	15,600-39100-P.B-3	16,880	12-4-07	-do-	SC
8	Programme Assistant	R.K.Lembisana Devi	Prog.Asst.(Home Sc.)	Home Science	9300-34,800-P.B-2	10130	12-4-07	-do-	Gen
9	Computer Programmer	L.Babita Devi	Prog.Asst.(Computer)	Computer	9300-34,800-P.B-2	10130	12-4-07	-do-	-do-
10	Farm Manager	W.Jiten Singh	Farm Manager		9300-34,800-P.B-2	10130	12-4-07	-do-	OBC
11	Accountant / Superintendent	NG.Brojendro Singh	Office Suptd. cum Acct./Assistant		9300-34,800-P.B-2	11010	01-3-07	-do-	Gen
12	Stenographer	M.Geeta Devi	Jr.Steno cum Computer operator		5200-20,200-P.B-1	8120	12-4-07	-do-	-do-
13	Driver	M.Hemanta Singh	Driver cum Mechanic		5200-20,200-P.B-1	6310	12-4-07	-do	-do-
14	Driver	Th.Tiken Singh	-do-		5200-20,200-P.B-1	6310	03-5-07	-do	-do-
15	Supporting staff	S.Dhabali Singh	Peon cum Chowkidar		4440-7440-1S	4800	12-4-07	-do-	-do-
16	Supporting staff	Mangminthang Zou	-do-		4440-7440-1S	4800	12-4-07	-do-	ST

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	0.055
2.	Under Demonstration Units	0.016
3.	Under Crops	5.4
4.	Orchard/Agro-forestry	4.529
5.	Others (specify)	

1.7. Infrastructural Development:

A) Buildings:

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Within 24 months.	550(Ground floor)	76,33,000	Dec,2007	550(1st floor)	Work in good progress.
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (5)	-do-	31-3-12		67.90	2-1-12		Completed
4.	Demonstration Units (2)	-do-	31-3-12		20.07	2-1-12		Completed
5	Fencing	-do-	31-3-12	215m	19.75	2-1-12		Completed
6	Rain Water harvesting system							

7	Threshing floor							
8	Farm godown							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero, Diesel jeep	2006-07	5,08,657	62344	Good
Tractor, complete set	2006-07	4,35,543	1116	good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer withj accessories(2nos.)	March 2010	75,000	good
Fax	March,2010	25,000	Good
Photo copier	March,2010	1,00,000	Good
Digital Camera	March,2010	20,000	Good
LCD projector	March,2010	1,00,000	Good
Portable carp hatchery	March,2010	2,25,000	good

1.8. A). Details SAC meeting* conducted in the year

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	5/7/2012			
2.				

**** Attach a copy of SAC proceedings along with list of participants***

2. DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	Agriculture
2.	Agriculture-Horticulture
3.	Agriculture-Horticulture-Animal Husbandry
4.	Agriculture-Horticulture-Fishery
5.	Agriculture-Animal Husbandry-Fishery
6.	Agriculture-Fishery
7.	Fishery

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1.	Sub tropical plain zone	The agro-climatic zone of the Thoubal dist. May be characterized by diverse soil type ranging from clay, clay loam, silty loam to peat and muck soil, high rainfall and high RH with distinct temperature variation between summer and winter, wide cultural diversity with different cropping pattern from fruits (pine apple, banana, mango), Vegetables (cauliflower, cabbage, brinjal, tomato), paddy, pulses and oil seeds, fish and farm animals. The district has the following topographical structures:- upland, medium land and low land and shallow lakes.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Fine, Umbric Dystrochrepts Fine, Typic Haplo humults.	Deep, excessively drained fine soils moderately steep side slopes of hills having clayey surface with moderate erosion, associated with deep well drained fine soils on moderately sloping side slopes of hills with moderate erosion and slight stoniness.	3500
2.	Fine Typic, Haplo humults Fine, Loamy Umbric Dystrochrepts	Deep, well drained, fine soils on moderately sloping side slopes of hills having loamy surface with moderate erosion, associated with moderately deep, excessively drained fine loamy soils on moderately steep side slopes of hills with moderate erosion and slight stoniness.	14,803.2

3.	Fine, Typic Haplaquepts Fine Ruptic Ultic Dystrochrepts	Deep, poorly drained, fine soils on nearly level valleys having clayey surface with very slight erosion, ground water table between one to two meters of the surface and slight flooding, associated with deep well drained fine soils on gently sloping side slopes of hills with slight erosion.	6251
4.	Very fine, molic haplaquepts	Deep ,very poorly drained, very find soils on nearly valleys having clayey surface with very slight erosion ground water level between one meter of the surface and severe flooding associated with deep, poorly drained fine soils on very gently sloping valleys with slight erosion ground water table between one to two meters of the surface and slight flooding.	22,373.8
5.	Fine, Typic Hapludalfs, Fine Silty Tupic Haplumbrepts	Deep, somewhat excessively drained, fine soils on sloping side slopes of hillocks having clayey surface with moderate to severe erosion associated with well drained fine silty soils on moderately sloping side slopes of hillocks with moderate erosion.	4572

2.4. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Paddy			
	i) Pre kharif	5338	1,07,293.3	20.09
	ii) Kharif	25,000	7,,25,000	29.09
	iii) Improved	10,550	2,21,550	21.00
	iv) Local paddy	1000	14,000	14.00
2.	Maize	250	5500	22.00
3.	Kharif pulses	150	1125	7.50
4.	Kharif oilseeds	120	912	7.60
5.	Sugarcane	830	12,45,000	1,500,00
6.	Rabi pulses	2125	23,377	11.00
7.	Rabi oilseeds	2050	34,850	17.00
8.	Potato	825	80,025	97.00
9.	Cole crops	725	87,000	120.00
10	Chilli	350	2,800	8.00
11.	Pineapple	2,000	16,00,000	800.00
12.	Wheat	42	798	19.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April,2012				
May,2012				
June,2012				
July,2012				
August,2012				
September,2012				
October,2012				
November,2012				
December,2012				
January,2013				
February,2013				
March,2013				

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	14166	47584lit/d	18lit/d
Indigenous	69784	37832lit/d	4lit/d
Buffalo	6079	2961lit/d	3lit/d
Sheep			
Crossbred			
Indigenous	318	2845kg	11kg/sheep
Goats	2540	18,650kg	12kg/goat
Pigs			
Crossbred	35184	925tonnes	75kg/pig
Indigenous	3760	57.8tonnes	52kg/pig
Rabbits			
Poultry			
Hens	62383	26,49,840eggs/year	120eggs/year/hen
Desi	122865	40,36,340eggs/year	220eggs/year

Improved	94500	47,12,780eggs/year	130eggs/year
Ducks	94371	12,220kg	20kg/turkey
Turkey and others	611		

2.6 Details of Operational area / Villages (2012-13)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
		Thoubal	Yairipok	Paddy	Lack of suitablecultivation practice,fertilizer use and pest management	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Goat farming	No vaccination,castration and improper feeding and housing	Goat farming with less input and vaccination
				Fishery	Lack of knowledge of scientific fish farming	Composite fish culture
			Maibam	Paddy	Varietal admixture, improper cultivation methods	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Horticulture (Cole crops)	Lack of proper variety and pest management	Winter vegetables like cagbbage cauliflower, Broccoli and IPM
			Charangpat	Paddy	Varietal admixture, improper cultivation methods	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM

				Horticulture (Green chilli)	Lack of knowledge of summer vegetable varieties and pest management	Summer vegetable, Corm Cultivation and IPM
				Pig farming	No, vaccination, improper feeding and breed	Vaccination, Castration and Housing
			Uyan	Paddy	Varietal Admixture, improper cultivation technique and pest management	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Oilseeds & Pulses	Limited area under oilseed and pulses	Pulses and oilseed cultivation
				Poultry Farming	Lack of scientific knowledge of poultry farming	Broiler farming, vaccination
				Piggery	No vaccination, castration and improper housing	Pig rearing, vaccination
			Uchiwa	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
				Fishery	Lack of knowledge for Scientific fish farming.	Scientific fish farming.
				Pig farming	Lack of knowledge for Integrated fish cum pig farming.	Integrated fish cum pig farming

			Sangai yumpham	Paddy	Injudicious use of fertilizers, pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
				Poultry farming	Problems in feeding readymade feeds.	Feeding management with locally available feeds.
			Wanging	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. Of paddy.
				Poultry farming	Problems in feeding readymade feeds.	Feeding management with locally available feeds.
				Horticulture (Green chilli)	Die Back, fruit rot.	Integrated pest management.
			Lilong	Vegetable crops (Cabbage, cauliflower, onion, broad bean)	Selection of variety, Lack of knowledge of cultivation techniques.	Varietal demonstration & new cultivation techniques.
			Nongpok Sekmai	Paddy	Injudicious fertilizers used,lack of suitable cultivation technique	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Oilseed & pulses	Not grown	Pulses & oilseed cultivtaion

		Kakching	Thongjao	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. Of paddy, varietal trails.
				Fishery	Lack of Knowledge of Disease management	Fish Health management.
				Pig farming	Reduce body weight, preweaning mortality.	Piggery management.
			Umathel	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Oilseeds & pulses	Lack of knowledge of oilseed & pulses cultivation	Scientific pulse & oilseed cultivation
			Waikhong	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Pig farming	No vaccination & castration	Vaccination & castration
			Serou	Maize	Lack of suitable maize varieties & its cultivation technique	Proper composite & hybrid varieties,intercropping of maize with pulses & oilseeds
			Wangoo	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Fishery	Lack of scientific fish culture	Composite fish culture

			Wabagai	Paddy	Lack of suitable cultivation technique	ICM,SRI,hybrid rice cultivation
				Horticulture (Chilli, cole crops)	Lack of relay cropping & pest management	Relay cropping with beans and cucurbits,IPM
				Fishery	Lack of scientific fish culture	Composite fish culture,integrated fish farming
				Potato	Improper variety & lack of nutrient & pest management	Kufri varieties,IPM,INM
				Tomato	Improper variety & lack of nutrient & pest management	IPM,INM,Hybrid varieties
			Sekmaijin	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Fish	Lack of scientific fish culture	Composite fish culture,integrated fish farming
			Tokpaching	Paddy	Lack of deep water rice varieties,nutrient & pest management	Deep water rice varieties,nutrient & pest management
				Horticulture	Lack of knowledge of summer veg. crops & its cultivation techniques in upland areas.	Crops of summer season,growing of crops across the slopes & proper irrigation techniques

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2012-13

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers								
Rural youth								
Extn. Functionaries								

Seed Production (Qt.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement

3.B. Abstract of interventions undertaken

S. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1.	Chemical Weed Mgt.	Rice	Improper use of weedicides cannot control weeds effectively in wet seeded rice	Chemical weed mgt. using Pyrazosulfuron ethyl 10% in wet seeded rice using crop alley system					Weedicide
2.	INM in maize using Azospirillium	Maize	Continuous use of chemical fertilizers alone leads to soil fertility degradation & low quality produce ,No biofertilizers is used in maize cultivation in the district	INM in maize using Azospirillium					Seed & Azospirillium
3.	Intercropping	Maize+ Blackgram	Maize is usually grown as pure crop leaving a lot of space between two rows of left unutilized during early period.No intercropping is done in maize cultivation in the district	Intercropping of maize with Blackgram					Seed
4.	Chemical weed mgt.	Blackgram	Heavy weed infestation decreases the yield severely.No weedicide is used in blackgram cultivation in the district.	Chemical weed mgt. using Oxyfluorfen in blackgram					Seed & weedicide
5.	Vegetable prodn	Cucumber	Low yield of locals	Assessment of local & hybrid cucumber US-260					Seed

6.	Rice Prodn.	Rice	Low yield of HYV rice	Evaluation of Hybrids US-312,316					Seed
7.	Rice Prodn.	Rice	Low yield of HYV rice	Evaluation of Hybrid rice Prima					Seed
8.	Rice prodn.	Rice	Flood & drought are frequent	Late planting of pariphou & IR-64					Seeds
9.	Veg. Prodn.	French bean	Lack of improved variety	Varietal performance of Arika Sharath					Seeds
10.	Spice prodn.	Onion	Lack of knowledge about IWM in onion cultivation	IWM using Metribuzin					Weedicide
11.	Vegetable prodn.	French Bean	Lack of knowledge about INM in cabbage cultivation	INM in cabbage using Azospirillium & PSB					Biofertilizer
12	Spice prodn.	Chilli	Problem of dieback,anthracnose& fruitrot	MGt. of dieback of chilli using Tricyclazole.					Tricyclazole
13.	Rice prodn.	Rice	Problem of blast & sheath blight	Mgt. of blast & sheath blight by using kresoxim					Kresoxim methyl
14.	Spice prodn.	Onion	Continuous use of synthetic pyrethroid develop resistance in thrips	Mgt. of thrips using maize as intercrop					Maize seed
15.	Fish prodn.	Fish + Euryale ferox	Low yield & B:C ratio in single enterprise	Fish + Euryale Ferox					Fish
16.	Fish prodn.	Grass carp	Scarcity of quality seeds	Early seed prodn. of grass carp					Fish
17.	Fish prodn.	Climbing perch	Scarcity of quality seeds	Seed prodn. of climbing perch					Fish
18.	Fish prodn.	Walking catfish	Non availability of quality seeds	Seed prodn. of walking catfish					Fish

19.	Piggery	Piglet	Mortality rate is high,piglet after farrowing were kept in bamboo basket holding with naked hand leading to non-acceptance by sow.	Provision of bamboo made guard rails in brooder house					
20.	Rabbitery	Rabbit	Rearing of broiler rabbit is very rare	Production & reproductive performance of rabbit					Rabbit
21.	Piggery	Pig	Problem in procurement of good variety boar	Synchronization & fixed time insemination					
22.	Duckery	Duck	Improper mgt. leading to increase in mortality	Production performance of muskovy duck using locally available feed					Duckling
23.	Women friendly tools	Manual double screen cleaner	Drudgery	Use of manual double screen cleaner for seperating rice husk to get quality rice bran					Manual double screen cleaner
24.	Nutritional gardening	Vegetable crops	Poor nutrition and management	Backyard nutritional gardening in rural areas					Seeds of vegetable crops.
25.	Organic dyeing	Organic dye	Not aware of locally available mordant	Improving colour fastness of cotton fabrics with natural dye					
26.	Recycling of waste materials	Wraping paper	Waste materials are usually thrown away	Value added products from waste wrapping paper					
27.	Rice prodn.	Rice	SRI cannot be cultivated in all the rice field of the district.ICM can be done in low lying areas		ICM in rice				Seed

28.	Rice prodn.	Rice	Continuous use of chemical fertilizer alone leads to soil fertility degradation and soil health		INM in rice using Azospirillium				Seed
29.	Maize prodn.	Maize	Maize is not yet popularized in the district		Scientific cultivation of maize				Seed
30.	Blackgram prodn.	Blackgram	Blackgram cultivation in the district is not yet popularized		Scientific cultivation of blackgram				Seed
31.	Pea prodn.	Field pea	Field pea cultivation in rice fallows is not yet popularized		Scientific cultivation of field pea				Seed
32.	Mustard prodn.	Mustard	Oilseed mustard cultivation in rice fallows is not yet popularized		Scientific cultivation of mustard				Seed
33.	Mustard prodn.	Mustard	Continuous use of chemical fertilizers alone decreases soil health & fertility		INM in mustard using Azospirillium				Seed Biofertilizers
34.	Rice Prodn.	Rice	Low yield of HYV rice		Hybrid rice cultivation PAC-801				Seed
35.	Rice Prodn.	Rice	Low yield of HYV rice		Hybrid rice cultivation Arize-6444				Seed
36.	Rice Prodn.	Rice	Low yield of HYV rice		Hybrid rice cultivation 6444(G)				Seed
37	Spice prodn.	Onion	Lack of proper variety		Cultivation of onion variety- prema				Seed
38.	Tuber prodn.	Potato	Lack of proper variety		Cultivation of potato variety Himalini				Seed
39.	Pumpkin prodn.	Pumpkin	Problem of fruit fly		Mgt. of pumpkin fruit fly using trap				Flight T & baculure

40.	Brinjal prodn.	Brinjal	Problem of brinjal shoot & fruit borer		Mgt. of brinjal shoot & fruit borer using Wata T & Lucin Lure				Wota T & Lucin lure
41..	Cabbage prodn	Cabbage	Problem of DBM		Mgt. of DBM in cabbage using Del-Ta & Beuveria Basiana				Del-ta & Beuveria Basiana
42.	Fish prodn.	Fish+ duck	Low yield & B:C ratio in single enterprise		Fish cum duck farming				Fish
43.	Fish prodn.	Fish	Fish disease is very common		Mgt. of fish health by using probiotics				Probiotics
44.	Integrated farming	Duck + paddy	Low yield in single enterprise		Duck cum paddy culture				Duckling
45.	Poultry prodn.	Poultry	Lack of proper breed of poultry		Prodn. Performance of gram priya a dual purpose bird as backyard poultry farming				Poultry
46.	Goat prodn.	Goat	Male goat is usually not castrated		Performance of male goat after castration				Castration
47.	Poultry prodn.	Poultry	Japanese quail farming is not done in the district		Commercial Japanese quail farming				Japanese quail
48.	Pineapple prodn.	Pineapple	Flooding of pineapple in the season		Value addition in pineapple				Pine apple

3.1 Achievements on technologies assessed and refined

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Varietal Evaluation										
Seed / Plant production										
Weed Management										
Integrated Crop Management										

Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										

***** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								

11). Results of On Farm Trials

Title of OFT	Problem Diagnosed	Technology Assessed	No. of Trials	Results of Assessment/ Refined (Data on the parameter should be provided)	Feedback from the farmer	Feedback to the Researcher	B.C . Ratio
Chemical weed management, using Pyrazosulfuron ethyl 10% in wet seeded rice using crop alley system	Improper use of weedicide cannot control weeds effectively in wet seeded rice	Chemical weed management, using Pyrazosulfuron ethyl 10% in wet seeded rice using crop alley system	7	Technology: Crop stand/m²-180 Weed count/m²-nil No.of grains/panicle-120 Yield-5.6t/ha **Farmers practice**: Crop stand/m²-165 Weed count/m²-24 No.of grains/panicle-113 Yield-5.2t/ha	Very effective	No need for further research	1.6 1.5
Chemical weed management using oxyfluorfen @ 0.10kg ai/ha at DAS	Heavy weed infestation decreases the yield severely. No weedicide is used in blackgram to control weeds in the district	Chemical weed management using oxyfluorfen @ 0.10kg ai/ha at DAS	7	Weed density/m²-35 No.of branches/ plant-32 effective Yield-7.2q/ha **Farmers practice**: Weed density/m²-85 No.of branches/ plant-25 Yield-5.4q/ha	Very effective	Need hand weeding	1.61 1.52
INM in maize using azospirillium @ 250 ml/ha with 50% R.D of NPK @ 50:40:30kg/ha	Continuous use of chemical fertilizers alone leads to soil fertility degradation and low quality produce. No biofertilizers is used in maize	INM in maize using azospirillium @ 250 ml/ha with 50% R.D of NPK @ 50:40:30kg/ha	7	Cobs/plant-1.7 Grains/cob-308 Yield-22.5q/ha **Farmer practice:** Cobs/plant-1.7 Grains/cob-315 Yield-23.00q/ha		Need to apply more phosphorus & potash to increase yield. Further research needed	1.40 1.38

	cultivation in the district						
Intercropping of maize with blackgram	Maize is usually grown as pure crop leaving a lot space between two rows of maize which can be utilized for growing blackgram. No intercropping is done in the district	Intercropping of maize with blackgram	6	Maize yield-20.25q/ha Blackgram yield-4.3q/ha Total yield-24.55q/ha	Very encouraging	No need for further research	1.76
Assessment of local & Hybrid cucumber US-260	Low yield of locals (Chingjinthabi)	Assessment of local & Hybrid cucumber US-260	5	Duration-75days Fruit/pl-17 Fruit wt-300gm Fruit length-18cm Yield-53q/ha Local: Duration-100days Fruit/pl-15 Fruit wt-450gm Fruit length258cm Yield-76q/ha		Need research	1.6
Evaluation of Hybrids US-312,316	Low yield of HYV rice	Evaluation of Hybrids US-312,316	5	US-312 US316 1)Plant Ht. – 1.07 - 1.09 2)Tiller/Plant- 15 - 17 3)Grain/Panicle 146 - 115 4) yield/Ha 65Qt./ha - 66Qt/ha 5)Duration 135 day - 135 days **Farmers practice (HYV)** 1)Plant Ht. – 1.02m 2)Tiller/Plant- 18 3)Grain/Panicle 150 4) yield/Ha -66q/ha 5)Duration-125			

Late planting of Pari Phou and IR-64	Flood and Drought are frequent	Late planting of Pari Phou and IR-64	4	**Pari Phou** Plant Ht. –90 cm Tiller/Plant--11 Grain/Panicle--120 Yield/Ha—35 Qt. 5)Duration—110 days	Very good for draught like situation	No research needed	
Seed prodn. of climbing perch	Scarcity of quality seeds	Seed prodn. of climbing perch	3	Growth of seed-1g/mnth Survibility-55%			1.6
Seed prodn. Of walking catfish	Non availability of quality seed	Seed prodn. Of walking catfish	5	Growth of seed-1g/mnth survibility-23%			1.2
Provision of bamboo made guard rails in brooder house	Mortality rate high in piglet.Piglet after farrowing were kept in bamboo basket holding with naked hands leading to non acceptance of sow.	Provision of bamboo made guard rails in brooder house	10	i.. Litter size at birth(11.33) ii. Litter size at weaning (10.66) iii. Weekly body weight (g) 0(450g), 1(735.7) 2(1557.1), 3(2078.5) 4(2857.1) , 5(3342.8) 6(3885.7) 7(4342.8) 8(4730.3) iv. Mortality at 8 wks(2) **Farmer Practice** i. Litter size at birth(10.1) ii. Litter size at weaning(4.2) iii. Mortality at 8 wks(6) iv. Wkly body wt(g) 0(425), 1(528.2) 2(1125.3) 3(1642.7) 4(1828.9) 5(2438.6) 6(3012.2) 7(3782.4) 8(4238.6)			2.4
Production & reproductive performance of broiler rabbit	Rearing of rabbit for meat purpose is very rare	Production & reproductive performance of broiler rabbit	10	**i**.Litter size at birth(6.33) ii. Litter size at weaning(4.16) iii. Survibility % (65.78) ivDressing%(47.33)			1.77

				Farmer Practice i. Litter size at birth(5.2) ii. Litter size at weaning(2.1) iii. Survibility %(40.5) ivDressing%(44.5)			
Synchronization & fixed time insemination	Problem in procurement of good variety boar	Synchronization & fixed time insemination	10	i.No. of sow treated(24) ii. % of sow responsive to treatment (87.5) iii. No of sow responsive to treatment(21) iv. Average onset of estrus after treatment (4th day) v. Farrowing rate (no. of sow) (21) vi. Litter size at Birth (10.28) vii. Litter size at weaning (8.66) viii. Survibility %(84.25)			2.6
Production performance of muskovy duck using locally available feeds	Improper mgt. leading to increase mortality	Production performance of muskovy duck using locally available feeds	10	i. Weekly body wt(g) 0(50), 4(450), 8(1100),12(1200), 16(1400), 20(1700) ii. Survibility % 4(100), 8(98) ,12(97), 16(97), 20(96) iii. Egg wt (60g) iv. Dressing% (66.2) v. Hatchability% through Brooding (92) **Farmer Practice** i. Weekly body wt(g) 0(49), 4(380),			2.12

				8(950),12(1008), 16(1250), 20(1500) ii. Survibility % 4(96), 8(94) ,12(91), 16(88), 20(85) iii. Egg wt (58g) iv. Dressing% (64.8) v. Hatchability% through Brooding(89)					
Evaluation of Hybrid rice Prima	Low yield of HYV rice	Evaluation of Hybrid rice Prima	5	1)Plant height 2)Tiller 3)Grain/Panicle 4) Yield	Prima -1.06 m - 17nos - 145 - 68q/ha	PAC-801 -1.02 m -18nos -180 66 q/ha			1.65
Varietal performance of french bean var. Arka Sharath	Lack of improved variety	Varietal performance of french bean var. Arka Sharath	6	1. Plant height (1ft) 2. No. of pods (15-20/plant) 3. Length of pod (12-16cm) 4)Yield-70q/ha **Farmers Practice** Plant height (1.5ft) 2. No. of pods (15-18/plant) 3. Length of pod (12-15cm) 4)Yield-60q/ha					2.2
IWM in onion using Metribuzin	Lack of knowledge about IWM in onion cultivation	IWM in onion using Metribuzin	5	1. Plant height (1.5ft) 2. No. of leaves (4-6/plant) 3. Bulb size (186g) 4)Yield-200q/ha **Farmers Practice** 1. Plant height (1ft) 2. No. of leaves (4-6/plant) 3. Bulb size (150g) 4)Yield-175q/ha					3.2
INM in cabbage	Lack of	INM in cabbage	5	1.Head weight (1.6kg)					2.4

	knowledge about INM in cabbage cultivation			2.Maturity-60 days 3.Yield-240q/ha **Farmers Practice** 1.Head weight (1.5kg) 2.Maturity-65 days 3.Yield-230q/ha			2.2
Mgt. of dieback of chilli	Problem of dieback ,fruit rot & anthracnose	Mgt. of dieback of chilli	10	% disease incidence= Dieback-6.27 Anthracnose-15.11 Fruitrot-9.66 **Farmer Practice** Defenoconazole application- % disease incidence of dieback- 7.11 Anthracnose- 16.03 Fruit rot- 8.78			4.0 3.8
Mgmt of blast & sheath blight of rice with **Kresoxim metyl**	Problem of Blast & Sheath blight	Mgmt of blast & sheath blight of rice with **Kresoxim metyl**	10	% disease incidence = Leaf blast- 11.11 Neck blast- 13.78 Sheath blight- 7.22 **Farmers practice** % disease incidence Tricyclazole 25% @ (225 ai/ha) Leaf blast- 10.00 Neck blast- 13.76 Sheath blight- 25.56			1.63 1.53
Mgmt. of onion thrips using maize as intercrop	Continuous use of recommended synthetic pyrithroid develop resistance in	Mgmt. of onion thrips using maize as intercrop	10	Thrips/plant (60 DAT)= 2nymphs/plant Thrips/plant (75 DAT) = 15 nymph/plant Wt. of 20 bulbs =807 gm **Farmers practice** (without intercrop)			6.8

	thrips			Thrips/plant(60 DAT) =4 nymphs/plant Thrips/plant (75 DAT) =45 nymph/plant Wt of 20 bulbs =718 gm.			6.1
Fish cum *Euryale ferox* Farming	Low yield and low B:C ratio in single enterprise	Fish cum *Euryale ferox* Farming	7	1.Yield of fish (1200Kg/ha) 2. Yield of *Euryale ferox* 35000 fruits of Euryale ferox/ha **Farmers practice** 1.Yield of fish (900Kg/ha) 2. Yield of *Euryale ferox* 32000 fruits of Euryale ferox/ha			2.5
Early seed production of grass carp	Scarcity of quality seeds	Early seed production of grass carp	7	Growth of seed (1.5g/month) Survivability of seed (80%) **Farmers practice** Growth of seed (2g/month) Survivability of seed (60%)			1.3

Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.

****** Give details of the technology assessed or refined and farmer's practice***

3.2 Achievements of Frontline Demonstrations

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

List of technologies demonstrated during previous year and popularized during 2012-13 and recommended for large scale adoption in the district

S. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1.	Rice	ICM in rice	7	7	1.75
2.	Rice	INM in rice	6	6	1.50
3.	Mustard	INM in mustard	7	7	1.75
4.	Rice	Hybrid rice PAC-801	5	5	1.25
5.	Rice	Hybrid rice Arize-6444	5	5	1.25
6.	Rice	Hybrid rice 6444(G)	5	5	1.25
7.	Onion	Cultivation of onion variety Prema	6	6	0.60
8.	Potato	Cultivation of potato variety Kufri Himalini	5	5	1.00
9.	Pumpkin	Mgt. of pumpkin fruit fly using flight-T & Baculure	10	10	2.5
10.	Brinjal	Mgt. of Brinjal shoot & fruit borer using Wota-T & Lucin lure	10	10	2.5
11.	Cabbage	Mgt. of DBM in cabbage using Del-Ta & Beuveria besiana	10	10	2.5

**** Thematic areas as given in Table 3.1 (A1 and A2)***

b. Details of FLDs implemented during reporting period (Information is to be furnished in the following **three tables** for **each category** i.e. **cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops**.)

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1.	Rice	Crop prodn. & mgt.	ICM in rice	Kharif 2012	8	7		7	7		RF			
2.	Rice	INM	INM in rice	-do-	8	6		6	6		RF			

3.	Maize	Crop prodn.	Scientific cultivation of maize	-do-	10	10	3	7	10		RF			
4.	Blackgram	Pulse prodn.	Scientific cultivation of blackgram	-do-	8	7	1	6	7		RF			
5.	Pea	-do-	Scientific cultivation of pea		8	7	1	6	7		RF			
6.	Mustard	Oilseed prodn.	Scientific cultivation of mustard		8	7	2	5	7					
7.	Mustard	INM	INM in mustard		10	7	2	5	7					
8.	Rice	Varietal evaluation	Hybrid rice cultivation of PAC-801		5	5	1	4	5					
9.	Rice	Varietal evaluation	Hybrid rice cultivation of 6444		5	5	1	4	5					
10.	Rice	Varietal evaluation	Hybrid rice cultivation of 6444(G)		5	5	1	4	5					
11.	Onion	Bulb prodn.	Cultivation of onion		10	6	-	6	6		Irrigated			
12.	Potato	Tuber prodn.	Cultivation of potato		10	5	-	5	5		-do-			
13.	Pumpkin	IPM	IPM in pumpkin using Flight T & Bacu lure		10	10	3	7	10		-do-			
14.	Brinjal	IPM	IPM in brinjal using Wota-T & lucin lure		10	10	4	6	10		-do-			
15.	Cabbage	IPM	IPM in cabbage		10	10	4	6	10		-do-			

			using Del Ta & Beuveria besiana											

Performance of FLD

Sl. No.	Crop	Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Data on parameter in relation to technology demonstrated (Yield, Disease incidence, etc. as specified in FLD Programme)		Economic Impact				Technical Feedback on the Demonstrated Technology	Farmers' Reaction on specific Technologies
								Average Net Return (Profit) (Rs./ha)		B.C. Ratio			
								Demo	Local Check	Demo	Local Check		
		H	L	A		Demo	Local						
1	2	7	8	9	10	12	13						

NB: Attach few good action photographs with title at the back with pencil

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training				
3	Media coverage				
4	Training for extension functionaries				

c. Details of FLD on Enterprises

(i) Farm Implements

Name of the implement	crop	No. of farmers	Area (ha)	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises

Enterprise	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

**** Milk production, meat production, egg production, reduction in disease incidence etc.***

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Mushroom								
Apiary								
Sericulture								
Vermi compost								

Achievements on Training both On and Off Campus (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit) :

Thematic area	No. of courses			Participants																			
				Others						SC/ST						Total						Grand Total
	On	Off	Total	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS & FARM WOMEN																							
I. Crop Production																							
Weed Management																							
Resource Conservation Technologies																							
Cropping Systems																							
Crop Diversification																							
Integrated Farming																							
Water management																							
Seed production																							
Nursery management																							
Integrated Crop Management																							
Fodder production																							
Production of organic inputs																							
II. Horticulture																							
a) Vegetable Crops																							
Production of low volume and high value crops																							
Off-season vegetables																							
Nursery raising																							
Exotic vegetables like Broccoli																							
Export potential vegetables																							
Grading and standardization																							

Protective cultivation (Green Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						
Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						
e) Tuber crops																						
Production and Management																						

technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						
IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						

Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						

VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						
Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery management																						
Carp fry and fingerling rearing																						
Composite fish culture																						
Hatchery management and																						

culture of freshwater prawn																						
Breeding and culture of ornamental fishes																						
Portable plastic carp hatchery																						
Pen culture of fish and prawn																						
Shrimp farming																						
Edible oyster farming																						
Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						

X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues																						
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL																						
(B) RURAL YOUTH																						
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						

Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						

Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL																						
(C) EXTENSION PERSONNEL																						
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in																						

farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreaming through SHGs																						
TOTAL																						

Note: Please furnish the details of above training programmes as <u>Annexure</u> in the proforma given below

Date	Clientele	Title of the training programme	Discipline	Thematic area	Duration in days	Venue (Off / On Campus)	Number of other participants			Number of SC/ST			Total number of participants		
							Male	Female	Total	Male	Female	Total	Male	Female	Total

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Training title*	Identified Thrust Area	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
					Male	Female	Total	Type of units	Number of units	Number of persons employed	

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

Sl. No	Date	Title	Discipline	Thematic area	Duration (days)	Client (PF/RY/EF)	No. of courses	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
								Others			SC/ST			Total				
								Male	Female	Total	Male	Female	Total	Male	Female	Total		
Total																		

3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc)

Sl. No.	Nature of Extension Activity	Purpose/ topic and Date	No. of activities	Participants											
				Farmers (Others) (I)			SC/ST (Farmers) (II)			Extension Officials (III)			Grand Total (I+II+III)		
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.															
2.															
3.															
4.															
5.															
6.															
7.															
8.															
9.															
10.															
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24.															
25.															
26.															
27.															
28.															
29.															
30.															
31.															
32.															
	Grand Total														

* Example for guidance only

3.5 Production and supply of Technological products during 2012-13

SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS					
OILSEEDS					
PULSES					

VEGETABLES					
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS			
2	OILSEEDS			
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
TOTAL				

PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS					
SPICES					
VEGETABLES					
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL			

BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
BIOAGENTS						
BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL					

LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		

Cattle						
SHEEP AND GOAT						
POULTRY						
FISHERIES						
Others (Specify)						

SUMMARY

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY					
4	FISHERIES					
5	OTHERS					
	TOTAL					

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

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors name	Number of copies
Research papers			
Total			
Technical reports			
Popular articles			
Leaflets/folders			
Total			
GrandTOTAL			

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(C) Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number

3.7. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)

3.8 Give details of innovative methodology/technology developed and used for Transfer of Technology during the year

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

3.10 Indicate the specific training need analysis tools/methodology followed for

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

3.11 Field activities

i. Number of villages adopted
ii. No. of farm families selected
iii. No. of survey/PRA conducted

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab :

1. Year of establishment :
2. List of equipments purchased with amount :

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

3. Details of samples analyzed so far :

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Plant Samples				
Petiole Samples				
Total				

4.0 IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

4.2. Cases of large scale adoption
(Please furnish detailed information for each case)

4.3 Details of impact analysis of KVK activities carried out during the reporting period

5.0 LINKAGES

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1.	
2.	
3.	

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

S. No.	Programme	Nature of linkage	Remarks

5.4 Give details of programmes implemented under National Horticultural Mission

S. No.	Programme	Nature of linkage	Constraints if any

5.5 Nature of linkage with National Fisheries Development Board

S. No.	Programme	Nature of linkage	Remarks

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estt.	Area	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

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	
Cereals									
Rice									
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

6.5 Utilization of hostel facilities (Month Wise):

Accommodation available (No. of beds) :

Months	Title of the training course/Purpose of stay	Duration of Training	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total					
Grand total					

(Duration of the training course X No. of trainees)=Trainee days

7. FINANCIAL PERFORMANCE

7.1 Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK			

7.2 Utilization of funds under FLD on Maize *(Rs. In Lakhs)*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2013
	2009-10	2010–11	2011-12	2012-13	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2012 -13

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**			
2	**Traveling allowances**			
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			
H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.4 Status of revolving fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2010 to March 2011				
April 2011 to March 2012				
April 2012 to March 2013				

8.0 Please include information which has not been reflected above (write in detail).

8.1 Constraints

(a) Administrative
(b) Financial
(c) Technical