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	Telephon	e FAX	E mail
Krishi Vigyan Kendra (KVK), Khawzawl,	Office	03831- 261485	kvkkhawzawl@gmail.com
PO- khawzawl, Distt Champhai	03831-261484,		
(MIZORAM)-796310	261486		www.kvkkhawzawl.com

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

The intame and address of floor organization with priorie, tax and o main							
Address	Telephone		E mail				
	Office	FAX					
Directorate of Agriculture (R&E) Aizawl. Mizoram- 796 001	0389- 2319025	0389- 2315784	mizagr@gmail.com				

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

Name	Telephone / Contact				
	Residence	Mobile	Email		
Lalrinawmi Renthlei	03831-261484	9436159788	kvkkhawzawl@gmail.com		
Laminawilli Kentillei	03031-201404	9856229907	KVKKIIawzawi@giiiaii.coiii		

1.4. Year of sanction:

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

SI. No	Sanctioned post	Name of the incumbent	Designati on	Discipli ne	Pay Scale (Rs.)	Prese nt basic (Rs.)	Date of joinin g	Permane nt /Tempora ry	Catego ry (SC/ST / OBC/ Others
1	Programme Coordinator	LALRINAWMI RENTHLEI	PC	Horticultur e	15,600- 39,100+8,0 00	22,320	1.7.11	Temporary	ST
2	Subject Matter Specialist	MALSAWMKIMI	SMS	Horticultur e	15,600- 39,100+5,4 00	16,880	03.06.0	Permanent	ST
3	Subject Matter Specialist	SAYED KHALIDUDDIN AHMED	SMS	Animal Science	15,600- 39,100+5,4 00	17,550	26.4.08	Permanent	GENERA L
4	Subject Matter Specialist	F. ZORAMTHARI	SMS	Plant Protection	15,600- 39,100+5,4 00	16,880	06.6.09	Permanent	ST
5	Subject Matter Specialist	LALRAMENGI	SMS	Agronomy	15,600- 39,100+5,4 00	15,600	28.4.11	Permanent	ST
6	Subject Matter Specialist	J.VANLALHLUZUA LI	SMS	Agril. Extension	15,600- 39,100+5,4 00	15.600	09.03.1 2	Permanent	ST
7	Subject Matter Specialist	VANLALMUANSAN GI	SMS	Soil Science	15,600- 39,100+5,4 00	15.600	07.12.1 2	Permanent	ST
8	Programme Assistant	LALHRUAITLUANG I	Programme Assistant	Home Science	9,300- 34,800+42 00	11,580	1.7.08	Permanent	ST
9	Computer Programmer	SAMSON SAIRENGPUIA SAILO	Computer Programmer	Computer	9,300- 34,800+42 00	11,580	22.4.08	Permanent	ST

10	Farm Manager	PRAKASH THAPA	Farm Manager	B.Sc (Agri.)	9,300- 34,800+42 00	11,580	25.4.08	Permanent	GENERA L
11	Accountant / Superintend ent	K.VANLALHMANG AIHI	Accountant / Superintend ent	-	9,300- 34,800+42 00	11,580	29.5.08	Permanent	ST
12	Stenographe r	CRUSADE THANGPUII	Stenographe r	-	5,200- 20,200+2,4 00	8,370	29.2.08	Permanent	ST
13	Driver	LALNUNTLUANGA	Driver	-	5,200- 20,200+1,9 00	6,610	29.2.08	Permanent	ST
14	Driver	R.DENGLIANA	Driver	-	5,200- 20,200+1,9 00	6,610	9.2.08	Permanent	ST
15	Supporting staff	LALTANPUIA	Supporting staff	-	4,440- 7,440+1,30 0	5,330	10.7.08	Permanent	ST
16	Supporting staff	LALVENHIMA	Supporting staff	-	4,440- 7,440+1,30 0	5,330	24.7.08	Permanent	ST

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)
1	Under Buildings	1.31
2.	Under Demonstration Units	11.464
3.	Under Crops	3
4.	Orchard/Agro-forestry	0.2
5.	Others (specify)	Nil

1.7. Infrastructural Development:

A) Buildings

		Source	Stage					
S.		of	Complete			Incomplete		
No.	Name of building	funding	Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2007	-	-	-	=	Completed
2.	Farmers Hostel	ICAR	2009	-	-	-	-	Completed
3.	Staff Quarters (6)	ICAR	2007	-	=	=	=	Completed
4.	Demonstration Units (2)	-	-	-	-	=	=	-
5	Fencing	-	-	-	-	-	-	-

B) Vehicles

Т	ype of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
	Gypsy		-	-	Running condition
	Tractor	-	-	-	Running condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD projector	Sept,2008	-	Good
Xerox machine	Sept,2011	-	Good
Computer	Sept,2008/2011	-	Good
Seed analyzer	Sept,2008	-	Good
Refrigerator	Sept,2008	-	Good

Incubator	Sept,2008	-	Good
Oven	Sept,2008	-	Good
Grinder	Sept,2008	-	Good
Laptop	Sept,2008	-	Good
T.V.	Sept,2008	-	Good
A.C.	Sept,2008	-	Good

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

SI.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	19- 04- 2011	1. Director of Agriculture(R&E) 2. PC, KVK, Khawzawl 3. DAO, Champhai 4. EE, Minor Irrigation 5. DAO, Wildlife 6. DFO, Champhai 7. DVO, Champhai 8. SDAE, Khawzawl 9. AFO, Champhai 10. SDAO, Khawzawl 11. DDK, Champhai 12. AMFU President 13. Jt VC President, Khawzawl 14. Jt YMA, Khawzawl 15. Editor SIAR News, Khawzawl 16. Editor Khawzawl Times, Khawzawl 17. MHIP President, Khawzawl	Cultivation of Paddy through SRI in upland terrace and WRC areas where lodging problems exist. Popularization of zero tillage seed driller Selection of Manipur variety may be substituted with local variety(Buh tawi sang) Trials may be conducted on Maize considering different date of sowing. Breeding of common carp and awareness on Paddy cum fish culture.	1. Cultivation of Paddy through SRI in WRC areas where lodging problems exist. 2. Selection of Manipur variety is substituted with local variety(Buh tawi sang) 3. Trials were conducted on Maize considering different date of sowing. 4. Paddy cum fish culture was popularized through demonstration
2.	15- 02- 2012	1. Director of Agriculture(R&E) 2. PC, KVK, Khawzawl 3. Dy Director (R&E), F&QS 4. SMS, (R&E) 5. DHO, Khawzawl 6. SDAO, Khawzawl 7. DDK Correspondent, Khawzawl 8. AMFU Treasurer 9. EO,Sericulture, Khawzawl 10. RFO, Khawzawl 11. RO, S&WC, Khawzawl	1. Cultivation of Paddy on Jhum land on top soil bedded terrace may be emphasized 2. Use of pre emergence weedicides for weed control 3. Demonstration on turmeric variety Lakadong may be replaced by patna variety for trials. 4. Trainings and demonstration towards afforestation may be conducted from time to time.	Ongoing (to be undertaken)
3.	28- 02- 2013	1.Director of Agriculture(R&E) 2.PC, KVK, Khawzawl 3. AEO, (R&E) 4.DAO, Champhai 3. DHO, Khawzawl 4. DDK Correspondent, Champhai 5. AMFU President 6. EE, Minor Irrigation, Champhai 7. DFO, Champhai 8. Forester I/c DFO Khawzawl 9. SDVO, Champhai 10. DIPRO, I&PR, Champhai 11. SDHO, Champhai 12. Editor, CCN, Champhai 13. Editor, Pasltha, Champhai 14. Correspondent, LPS, Champhai 15. Technician, Champhai 16. Representative AMFU 17. SMS(PP) 18. SMS(Ag.Extn) 19. SMS(Agron) 21. Farm Manager 22. Technician, Champhai	Wheat cultivation in Champhai District may be taken up again as demonstration on small area which may further be taken up as OFT based on its success at farmers level. Pulse crops like Arhar, Moong etc may be popularized in the district, and hence may be taken up as OFT by the KVK. Ttraining on judicious used of weedicides, insecticides etc may be included in the Action Plan of KVK. Demonstrations and training programmes should be organized on use of disc plough for selected farmers as done by Agriculture Department.	Action to be taken Ongoing (to be undertaken Ongoing (to be undertaken Action to be taken

	Training/awareness programmes	Action to be taken
	on seed treatment may be included in the	Action to be taken
	Action Plan.	
	Grape variety 'Tempraniallo'	
	(i.e. Wine variety) and 'Pusa	Action to be taken
	Naurang'(i.e. dual purpose) may also be	
	demonstrated at Khawzawl	
	Continuation of diagnostic	Action to be taken
	study and research being made by KVK	, totion to be taken
	Khawzawl in view of parkia decline	
	should be done.	
	More training and	
	demonstration on citrus decline need to	Ongoing (to be undertaken
	be taken up by KVK for solving the	under tanton
	problems faced by orange growers of the	
	District.	
	KVK Khawzawl may take up	
	OFT and training programmes relating to	Ongoing (to be
	curing and storage of Onion.	undertaken
	More training programmes on	Ongoing (to be
	seed treatment be conducted to overcome	undertaken
	the rhizome rot and other pest and	
	diseases associated with Ginger.	
	Introduction of pure bred pig	Action to be taken
* Attach	convert SAC proceedings along with list of participants]

^{*} 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	Horticulture + Hybrid maize + Animal Husbandry- Highland (>1250m MSL)
2	Jhum Paddy + Vegetable + Animal Husbandry- Midland (900-1250 m MSL)
3	Wetland Rice + Fish + Winter Vegetables - Low land (< 900 m MSL)

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

S. No	Agro-climatic Zone	Characteristics
	Sub- tropical/ Sub- temperate/ Humid	Some parts of the district like Ngopa & Khawzawl block experience all the three seasons i.e. winter, summer and rains, while in the Champhai valley the temperature ranges from 1-7° C for a longer period during winter, severely affecting the crops because of frosty weather. The relative humidity of the region is higher due to heavy rains (2500 mm annually).

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Black Soils		36550 ha
2	Red Soils		89600 ha
3	Alluvial Soils		31000 ha
4	Sandy soil		3600 ha
	Acid Soils		89600 ha

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Jhum Paddy	4350	4431	0.982
2	Paddy (WRC)	3750	8148	0.460
3	Maize	1660	2345	0.708
4	Rice bean	83	104	0.80
5	Arhar	20	17	1.18
6	Field pea	295	425	0.694
7	Cow Pea	210	231	0.909
8	French Bean	193	401	0.481
9	Soyabean	205	196	1.05
10	Potato	205	2057`	0.099
11	Onion	6	34	0.18
12	Brinjal	365	2355	
13	Cauliflower	75	745	
14	Pea	35	150	
15	Carrot	55	393	
16	Cabbage	175	2363	
17	Tomato	31	292	
18	Okra	279	1861.3	
19	Capsicum	25	331.5	

20	Broccolli	16	100.1	
21	Ginger	1008	4969	
22	Turmeric	555	2784	
23	Bird Eye Chilli	1250	6875	
24	Jathropha	300	4600	

2.5. Weather data

Month	Rainfall (mm)	Temp	Relative Humidity (%)	
		Maximum	Minimum	

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

Category	Population	Production	Productivity
Cattle	<u> </u>		·
Crossbred			
Indigenous			
Buffalo			
Sheep			
Crossbred			
Indigenous			
Goats			
Pigs			
Crossbred			
Indigenous			
Rabbits			
Poultry			
Hens			
Desi			
Improved			
Ducks			
Turkey and others			

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

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

3. TECHNICAL ACHIEVEMENTS

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

Discipline	OFT (Te	chnology Asses	ssment and	d Refinement)	FL	D (Oilseeds, Pu Crops/En		e, Other	
	Numb	er of OFTs	Numbe	Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Targets Achievement		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			ımber of ticipants	
Clientele Targets Achievement			ement	Targets	Achiev	ement	Targets	Achieven	nent	Targets	Achievement
Farmers											
Rural youth											
Extn.											
Functionaries											
	Seed F	Producti	on (Qt.)					 Planting n	nateri	al (Nos.)	
		5				6					
Та	rget		Achiev	rement		Target Ach		Achi	hievement		

3.B. Abstract of interventions undertaken

					Interventions							
S. No	Thrust area	Crop/ Enterprise	Identified problems	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.			

3.1 Achievements on technologies assessed and refined

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

									Tube	
Thematic areas	Cereal s	Oilseed s	Pulse s	Commerci al Crops	Vegetable s	Fruit s	Flowe r	Plantatio n crops	r Crop s	TOTA L
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										
conservatio										
n										
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	Cereal s	Oilseed s	Pulse s	Commerci al Crops	Vegetable s	Fruit s	Flowe r	Plantatio n crops	Tube r Crop	TOTA L
									S	

F	1		ı	1	1	ı	
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							
conservatio							
n							
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
Variatal evaluation of French Bean var. Arka Anoop	Lack of Known Variety	Variatal evaluation of french Bean a)Arka Anoop b)Local		No of pods /ha a)47.5 b)31.2 Averageweight of pods(g) a)15.45 b)16 Average length of pods(cm) a)18 b)20 Yield/ha a)82 b)60.5	The farmers were motivated on seeing the performance of the variety due to its productivity and easy to manage as it does not required staking	The variety is free from pests and diseasesand cooking quality is good	
Onion curing and storage management	Lack of Knowlege on Post Harvest Mangement	Onion curing and storage management		On going	On going	On going	
High Density Planting in Pineapple var. Kew	Lack on knowladge on HDP	High Density planting a)HDP b)Normal		Average fruit weight(kg) 1.2 Average fruit lenght(cm): 20 Yield/ha(q) a)50	The farmers were convinced with respect to the productivity		

Rhizome rot management of Ginger using Biofor Pf	Incidence of pest.	Seed treratment@1kg biofor:10kg seed rhizome in 2litres of water and		b)40 No. of infected plants at 10 days interval Treated with Biofor Pf was 5% where that of Control	Farmers are encouraged to adopt the technology	The farmers of the district started to be aware and practise the technology	
		make paste dipping the rhizome for 15mins and shade dry for 1hr.	2	was 30% and the Yield/ha were 81.61 Qt and 76.93 Qt respectively.		teemiology	
Control of rice stem borer and leaf folder using Trichogramma sp	Incidence of pest			No. of infected plants at 10 days interval Treated with Tricho card was 35% where that of Control was 60% and the Yield/ha were 33.27 qtl and 30 Qt respectively.	Farmers are encouraged to adopt the technology	Though the farmers practise the technology the biocontrol agent could not be applied in time due to its unavailability	
Piggery Production	Mineral Deficiency. Lack of knowledge on						

	scientific feed					
	management					
Fodder Production	Lack of awareness on quality fodder production		1	The group consists of 10 members	The group members were interested in	
		Formation of groups.	1	The group consists of 10 members		
Formation of Rural youth group at khawzawl	Lack of	Formation of groups.	1	The group consists of 5 members		
Formation of Self Help Group at Dulte	Knowledge on formation and management on formation groups. Lack of	Formation of groups.	1	The group consists of 5 members		
Formation of	Knowledge on formation and management on					

Self Help Group	formation	Technology			
at Kawlkulh	groups.	backstopping			
	Lack of				
	Knowledge on				
Technology	formation and				
backstopping	management on				
on cultivation of	formation				
mushroom	groups.				
	Lack of				
	Knowledge on				
	cultivation of				
	mushroom				

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			

^{*}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

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**.)

SI. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (I	ha)	o. of farmer		Reasons for shortfall in achievement	Farming situation (Rf/ Irrigated, Soil type, altitude, etc)	(K	tus soil g/ha	
					Proposed Actual SC/ST Others Total								

Performance of FLD

	manoo o						
SI. 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

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

								Return	ge Net (Profit) ./ha)	В.С	C. Ratio		
								Demo	Local Check	Demo	Local Check		
		н	L	Α		Demo	Local						
1	2	7	8	9	10	12	13						
1	Brinjal					Average no of fruit :22 Average fruit weight(g): 144.7 Average fruit lenght(cm) 17.4 Yield/ha(q) 328	Average no of fruit :16 Average fruit weight(g): 105.3 Average fruit lenght(cm) 11 Yield/ha(q) 206					The Farners are well accepted the variety with respect to yield and has been spread in the district	The variety is susceptible to fruit and shoot borer
2	Pea					Average no of seeds /pods 8 Height of plant(cm) 42 Average length of pods(cm) 8	Average no of seeds /pods 5 Height of plant(cm) 54 Average length of pods(cm) 5 Yield/ha					.The farmers are well accepted the variety and the farmers themselves have taken up the activity of producing quality seeds.	Cooking quality is good

			Yield/ha	45			
			55				

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

Extension and Training activities under FLD

SI.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 /	* Data on parame to technology de		% change in the	Remarks
implement				indicators	Demon.	Local check	parameter	

^{*} Field efficiency, labour saving etc.

(ii) Livestock Enterprises

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

^{*} 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 /	Data on par relation to te demons	echnology	% change in the parameter	Remarks
		iaiiiicis	Offics	indicators	Demon.	Local check	parameter	
Mushroom								
Apiary								
Sericulture								
Vermi compost								

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

	No	. of co	urses									P	articij	pants								
Thematic						Otl	ners					SC	/ST					To	tal			$\frac{\mathbf{Grand}}{\mathbf{Grand}}$
area	On	Off	Total	Ma	ale	Fen	nale	To	tal	M	ale	Fen	nale	To	tal	M	ale	Fer	nale	To	tal	Total
				On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	On	Off	
(A) FARMERS &	FAR	M WC	MEN																			
I. Crop Productio	n																					
Weed	1		1																			
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 Crop	S	1	ı	1		1	1	1	1	1	1	1		1	1	1	1	1			1	
Production of																						
low volume and																						
high value crops																						
Off-season																						
vegetables																						
Nursery raising																						

		1		1			1	1	1	1				1		
Exotic vegetables																
like Broccoli																
Export potential																
vegetables																
Grading and																
standardization																
Protective																
cultivation																
(Green Houses,																
Shade Net etc.)																
b) Fruits		•	•	•		l l	l.	J.	U	•	l l	L. L.	l l	•	L. L.	
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 Pla	nts		•				•		•							
Nursery																
Management																
Management of																
potted plants																
Export potential																
of ornamental																
plants																
Propagation																
_ 1 U		 L			 		 									

(1				1	1	1	1	1	1	ı	1		1	1			1		
techniques of																			
Ornamental																			
Plants																			
d) Plantation crop	S						•		•	1		1							
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 A	Aroma	atic Pl	ants																
Nursery																			
management																			
Production and																			
management																			
technology																			
Post harvest																			
technology and																			
value addition																			
III Soil Health and	l Fert	ility M	Ianagem	ent												 		 	
Soil fertility																			
management																			
Soil and Water																			
Conservation																			
Integrated																			
Nutrient																			
Management																			
Production and																			
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use of organic													ļ İ
inputs													ļ
Management of													İ
Problematic soils													
Micro nutrient													I
deficiency in													I
crops													İ
Nutrient Use													I
Efficiency]
Soil and Water													I
Testing]
IV Livestock Prod	ductio	n and	Manage	ment									
Dairy													·
Management													İ.
Poultry													I
Management													<u> </u>
Piggery													1
Management													<u> </u>
Rabbit													·
Management													1
Disease													I
Management													<u> </u>
Feed													·
management													1
Production of													·
quality animal													1
products]
V Home Science/V	Vome	n emp	owermei	nt									
Household food													I
security by													I
kitchen													I
gardening and													İ
nutrition													İ
gardening													ļ
Design and													1
development of													1
low/minimum													1
cost diet													
Designing and													j

development for															
high nutrient															
efficiency diet															
Minimization of															
nutrient loss in															
processing															
Gender															
mainstreaming															
through SHGs															
Storage loss															
minimization															
techniques															
Value addition															
Income				1											
generation															
activities for															
empowerment of															
rural Women															
Location specific															
drudgery															
reduction															
technologies															
Rural Crafts															
Women and child															
care															
VI Agril. Engineer	ring			1		1				l		l			
Installation and															
maintenance of															
micro irrigation															
systems															
Use of Plastics in															
farming practices															
Production of															
small tools and															
implements															
Repair and				t		t									
maintenance of															
farm machinery															
and implements															
and implements	l .		1	1	L		<u> </u>			<u> </u>		<u> </u>	<u> </u>		

Small scale																		1
processing and																		
value addition																		
Post Harvest																		
Technology																		
VII Plant Protecti	on		,					1										
Integrated Pest																		
Management																		
Integrated																		
Disease																		
Management																		
Bio-control of																		
pests and																		
diseases																		
Production of																		
bio control																		
agents and bio																		
pesticides																		
VIII Fisheries		L. C. C. C. C. C. C. C. C. C. C. C. C. C.			l l	L. C. C. C. C. C. C. C. C. C. C. C. C. C.	l l	l.	l.			l l	L. L.	L. L.	L.	l l	L.	
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																		
non una pravin	l		1							l .	l							

Shrimp farming		I																
Edible oyster																		
farming																		1
Pearl culture																		
Fish processing																		
and value																		
addition																		
IX Production of	Innut	e at cit	Δ			<u> </u>												
Seed Production	inpus	s at sit																
Planting material																		
production																		1
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 Buildi	ng an	d Gro	up Dyna	mics		1	1	ı	ı	1	ı	ı	1			1		
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		Ī												
Farming Systems														
TOTAL														
(B) RURAL YOU	TH		1		ı	ı	ı	ı	ı	1				
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											 			

	1														
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															
J ** *	1	1	1	ı	l	l	l	l			1				

fingerling rearing															
Small scale															
processing															
Post Harvest															
Technology															
Tailoring and															
Stitching															
Rural Crafts															
TOTAL															
(C) EXTENSION	PERS	ONN	EL		ı		ı	ı		ı			l		
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]]							

	1							1		ı	1		1
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 **Annexure** in the proforma given below

Dat e	Clientel e	Title of the training	Disciplin e	Themati c area	Duratio n in	Venue (Off /		er of othe ipants	r	Numb	er of SC/S	ST	Total i	number of ipants	f
		programm e			days	On Campus	Mal e	Femal e	Tota l	Mal e	Femal e	Tota 1	Mal e	Femal e	Tota 1

(D) Vocational training programmes for Rural Youth

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

^{*}training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes

											No.	of Particip	ants					Amount
SI. No	Dat e	Titl e	Disciplin e	Themati c area	Duratio n	Client (PF/RY/E	No. of course		Others			SC/ST			Total		Sponsorin g Agency	of fund receive d (Rs.)
					(days)	F)	S	Mal	Femal	Tota	Mal	Femal	Tota	Mal	Femal	Tota		
								е	е	ı	е	е	I	е	е	ı		
Tota I																		

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.		Purpose/							Partic	ipants					
	Nature of Extension	topic and Date	No. of	Fari	ners (Oth	ers)	SC/	ST (Farm	ers)	Exte	nsion Off	icials	G	Frand Tot	al
	Activity		activities		(I)			(II)			(III)			(I+II+III))
				Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
1.															
2.															
3.															
4.															
5.															
6.															

		•								
7.										
8.										
9.										
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11.										
12.										
13.										
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15.										
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17.										
18.										
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22.										
23.										
24.										
25.										
26.										
27.										
28.										
29.										
30.										
31.										
32.										
52.	Grand Total									
<u> </u>	Crana rotar	1	l			l		l		لــــــــــــــــــــــــــــــــــــــ

^{*} 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)					
	1		CT13 53 5 4 DT1		1

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 Y		
TOTAL		
	1	

PLANTING MATERIALS

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

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
			No	(kg)		Farmers
BIOAGENTS						
BIOFERTILIZERS						
1						
2						
3						
4						
BIO PESTICIDES						
1						
2						
3						
4						

SUMMARY

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

LIVESTOCK

Sl. No.	Type	Breed	Qua	ntity	Value (Rs.)	Provided to No. of Farmers
			(Nos	Kgs		
Cattle						
SHEEP AND GOAT						
POULTRY						
POULTRY						
FISHERIES						
Others (Specify)						
Outers (specify)						
				1	1	

SUMMARY

			Qua	ntity		
Sl. No.	Туре	Breed	Nos	Kgs	Value (Rs.)	Provided to No. of Farmers
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

SI. 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	No. of	% of adoption	Change in incom	e (Rs.)
technology/skill transferred	participants		Before	After
			(Rs./Unit)	(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

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

S. No.	Programme	Nature of linkage	Remarks
		funds	

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)

				Details of production			Amoun			
	SI. No.	Demo Unit	Year of estt.	Area	Variety	Produce	Qty.	Cost of inputs	Gross income	Remarks
ĺ										

6.2 Performance of instructional farm (Crops) including seed production

Name	Date of sowing	ng Data (Lasa)		D	etails of production		Amount (Rs.)		
Of the crop		Date of harvest	rvest Area		Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
Cereals									
Rice									
Pulses									
Pigeonpea									
Oilseeds									
Fibers									
Spices & Plantat	ion crops								
Floriculture									
Fruits									
Vegetables									
vegetables									
Others (specify)	·					1			ı
6.2 Dorforn		41 11 14 /11			ticidos/bio fortili	l			

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

SI.	SI. Name of the		Amou			
No.	Product	Qty	Cost of inputs	Gross income	Remarks	

6.4 Performance of instructional farm (livestock and fisheries production)

SI.	Name	Det	ails of production	Amou			
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs Gross income		Remarks

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

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)

	Released by ICAR/ZPD		Expenditure		
Item	2009-10	2010–11	2011-12	2012-13	Unspent balance as on 31 st March, 2013
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. Re	curring 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)			
В	POL, repair of vehicles, tractor and equipments			
С	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)			
Ε	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			
Н	Maintenance of buildings			
- 1	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
	TOTAL (A)			
B. No	n-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. RE	VOLVING FUND			
	GRAND TOTAL (A+B+C)			

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st 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