PROFORMA FOR ANNUAL REPORT OF KVKS, 2013-14

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
KVK Yisemyong Post Box No-23 Mokokchung Nagaland	OFFICE 0369-2225121	FAX 0369-2225121	kvkmokokchung@gmail.com
KVK Yisemyong Post Box No-23 Mokokchung Nagaland	OFFICE 0369-2225121	FAX 0369-2225121	kvkmokokchung@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Agriculture Nagaland Kohima	0370-2243116	0370-2243970	agrilan@rediffmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Pijush Kanti Biswas		9615747236	

1.4. Year of sanction:

1.5. Staff Position **(As on 31st March, 2014)**

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	Dr.Pijush Kanti Biswas	Coordinator	Horticulture		22320+ 8000	15/4/2013		
ob	Subject Matter Specialist	Renbomo Ngullie	SMS (Horticulture)	Horticulture	15600 + 5400	20440+ 5400	24.05.06	Temporary	ST
3	Subject Matter Specialist	Akangtemjen	SMS (Entomology)	Entomology	15600 + 5400	20440+ 5400	24.05.06	Temporary	ST
4	Subject Matter Specialist	Dr. Rongsensusang	SMS (Vety. &AH)	Vety & AH	16380 + 5400	20440+ 5400	24.05.06	Temporary	ST
5	Subject Matter Specialist	Samuel Sangtam	SMS (Agronomy)	Agronomy	15600 + 5400	20440+ 5400	24.05.06	Temporary	ST
6	Subject Matter	Bendangjungla.I	SMS (PB &G)	PB &G	15600 + 5400	20440+ 5400	24.05.06	Temporary	ST

	Specialist								
7	Subject Matter Specialist	Royuso Nakro	SMS (Extension)	Agri. Extension	15600 + 5400	19680 + 5400	13.11.07	Temporary	ST
8	Programme Assistant	Moainla	Programme Asstt.		10230 + 4200	13580 + 4200	24.05.06	Temporary	ST
9	Computer Programmer	I.Tangitla	Programme Asstt (Computer)		10230 + 4200	13580 + 4200	24.05.06	Temporary	ST
10	Farm Manager	-	-	-	-	-	-	-	-
11	Accountant / Superintendent	Meyatula	Office Supt-cum-Accountant		10230 + 4200	13580 + 4200	01.06.06	Temporary	ST
12	Stenographer	Imosangla	Jr. Steno-cum-Computer Operator		7440 + 2400	9750 + 2400	01.06.06	Temporary	ST
13	Driver	Supongmeren	Driver		5680 + 1900	7460 + 1900	01.06.06	Temporary	ST
14	Driver	Jongpongyanger	Driver		5680 + 1900	6400 + 1900	01.03.10	Temporary	ST
15	Supporting staff	Imkonglemla	Peon		4750 + 1300	6180 + 1300	01.06.06	Temporary	ST
16	Supporting staff	Aotoshi	Chowkidar		4750 + 1300	5330 + 1300	01.03.10	Temporary	ST
	Total								

1.6. a. Total land with KVK (in ha) :
b. Total cultivable land with KVK (in ha):
c. Total cultivated land (in ha):

S. No.	**Item**	**Area (ha)**
1	Under Buildings	1
2.	Under Demonstration Units	1
3.	Under Crops (Cereals, pulses, oilseeds etc.)	1.5
4.	Under vegetables	3 (Instructional Farm)
5.	Orchard/Agro-forestry	2 ha
6.	Others (specify)	17.4

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	20.06.09	400	53.5 lakhs	28.09.07	400	completed

2.	Farmers Hostel	NA	NA	NA	NA	NA	NA	NA
3.	Staff Quarters (6)	ICAR	NA	200		2011	100	Completed
4.	Demonstration Units (2)	ICAR, Host & ATMA	2008 &2010	40	24,55,500 lakh	2008 &2013	-	Completed and going
5	Fencing	ICAR	Ongoing	7500	3.5	2011	-	Completed
		ICAR	30.09.11	800mtr	17.0 lakhs	2011	-	Completed

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Marshall	2004	5.4 lakhs	1,,567 km	1,82,388	Need replacement

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
1. Computer	2004	70000	Good
2. Sound system	2005	60000	Good
3. Digital camera	2004	70000	Unserviceable
4. OHP	2004	5000	Good
5. Laptop	2008	37,000	Good
6. Handycam	2008	16,000	Out of order
7. Photocopier	2010	1,20,000	Good
8. Handycam	2010	18,000	Good
9. Computer	2010	45,000	Good
10. LCD projector	2010	55,000	Good

1.8. A). Details SAC meeting* conducted in the year 2013-14

Sl. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	4/02/2014	1. Tekatoshi Ao Director(Agri), & SNO 2. L. Meru Add.. Director (Agri) 3. Akala, Anouncer AIR Mokokchung 4. Imro DHO 5. Imsunaro NABARD 6. Dr. Imsen, VAS 7. Anik, AO, Mokokchung 8. Yashi Jamir, DFO 9. Dr. Bendangyanger, PO. SARS 10. Dr. I. Amenla, LTO, Agri 11. Lipok jr., Asst. agronomy, DAO, Mkg 12. Ngangshi, DSO(Seri) 13. Lily Tep, SDO (Soil) 14. T. Wathy Jamir, Junior Engineer 15. Rongennungla DPD, ATMA, Mkg 16. Temsukaba LRD 17. Yarba Longkhum village farmer 18. 18. All KVK staffs	✓ Approval of all the publications ✓ Presentation of activities report and action plan	All the recommendations were refined and finalized for implementation of the programmes

**** 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)

Sl. No	Farming system/enterprises
1	Agriculture +Horticulture
2	Agriculture + Veterinary
3	Agriculture + Fishery
4	Agriculture + Horticulture + Veterinary + Fishery

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

Sl. No	Agro-climatic Zone	Characteristics
1	Mid Tropical hill Zone	i. Hot and humid in the foot hills to moderate in the mid and high with heavy rainfall during summer
		ii. Moderate to extreme cold and dry in higher altitude during winter

2.3 Soil type/s

Sl. No	Soil type	Characteristics	Area in ha
1	Sandy clay loam	20-35% clay 28% silt 45% more sand pH 4-5	1,20,000
2	Clay Loam	27-40% clay 20-45% sand Medium organic matter pH 4-5	40,000
3	Forest Soil	Broad leaves rain forest, evergreen, temperate climate, high organic matter, dark brown soil with pH 4	50

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

Sl. No	Crop	Area (ha)	Production (ton)	Productivity (Qtl /ha)
1	Orange	1739	59126	340
2	Banana	1155	71610	620
3	Litchi	970	24250	250
4	Pineapple	820	13284	162
5	Tomato	38	9880	2600
6	Chilli	76	5099.6	671

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April	172.3	23.65	18.7	70.2
May	267.35	24.3	19.6	77.55
June	371.25	29.76	21.1	87.75

July	49.25	27.19	20.95	88.63
August	139	27.52	20.49	86.87
September	154.75	27.54	20.09	86.03
October	154.25	24.6	16.95	85.37
November	1.75	21.86	11.88	77.74
December	4.25	18.1	9.10	80.58
January	24.25	18.89	8.7	90.32
February	11	20.01	10.07	70.76
March	8.5	27.3	13.60	65.67

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

Category	Population	Production	Productivity
Cattle			
Crossbred	620	502MT	3lit/day lactation period of 270 days
Indigenous	265	1	120kg in 12 months
Buffalo	-	-	-
Sheep			
Crossbred	-	-	-
Indigenous	-	-	-
Goats	381	972 kg	10-11 kg per year
Pigs			
Crossbred	21900	1687.2 MT	100 kg in 12 months
Indigenous	-	-	-
Rabbits	-	-	-
Poultry			
Hens	-	-	-
Desi	**156750**	**83.8MT**	**1 Kg in 6months**
Improved	**18000**	**10MT**	**1.5 kg in one month**
Ducks	-	-	-
Turkey and others	-	-	-
Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland	408.50 ha	1534 MT	2581.5 kg/ha
Prawn			
Scampi			
Shrimp			

2.6 Details of Operational area / Villages (2013-14)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Ongpangkong (N)	Ungma, Longmisa, Longsa	Paddy, Maize, Tapioca Ginger, Passion fruit Tea, Piggery, Poultry, weaving	Low productivity due to non adoption of improved technology, Majority of the farmers involved in cultivation of mix crops, lack of awareness on potentialities of floriculture, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, lack of proper infrastructure and marketing network	Create awareness on fallow management and jhum intensification, Cultivation of both kharif and rabi vegetables, production of passion fruit, ginger, tapioca, tea on commercial scale, popularization of floriculture, handloom and handicraft, promotion of infrastructures and marketing network

2		Opangkong (s)	Khensa, Aliba, Mangmetong	Paddy, Maize, Tapioca Cucumber, Passion fruit, Ginger, Orange	Low productivity due to non adoption of improved technology, Indiscriminate use of inorganic products in cucumber cultivation, lack of awareness on INM, lack of upgrade dairy breeds, inadequate availability of fodder , insect pest problem, lack of extension activities	Create awareness on fallow management and jhum intensification, Organic Off season cucumber cultivation, development of dairy and fodder crops, production of orange.
3		Kobulong	Mopungchuket Chami	Paddy, Tapioca, Maize Passion fruit, ginger, Banana, Piggery, Poultry, Dairy, Sericulture	Low productivity due to non adoption of improved technology, lack of irrigation facilities, unavailability of HYV seeds, post harvest management problem, pest /disease problem in crops and silkworm, lack of processing unit and marketing, lack of spinning & weaving centers , lack of awareness on citronella cultivation, Inbreeding, disease and nutrition in piggery	Create awareness on fallow management and jhum intensification, To increase productivity of passion fruit, ginger and vegetables, promotion on spinning and weaving centre of sericulture, popularization of citronella cultivation, awareness on breeding programme, prevention and control of disease, scientific feeding management
4		Changtongya	Chuchuyimlang, Mongsenyimti	Paddy, Tapioca, Maize, Collocasia, banana, Orange, Pineapple Tea, piggery, Poultry, Fishery	Low productivity due to non adoption of improved technology, lack of awareness on value addition products, insect pest and disease problem, poor transportation and marketing facilities, lack of upgraded breeds and health centre	Create awareness on fallow management and jhum intensification, To increase production of banana, tapioca, orange, pineapple, development of tea, arecanut, betel vine, improvement of piggery, fishery and sericulture,
5		Mangkolemba	Watiyim Moayimti, Longpayimsen	Paddy, Maize, Tapioca, Orange, Pineapple, Arecanut, Tea, betel vine, fishery, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge on improved method of cultivation , lack of processing unit, insect pest and disease problem, lack of awareness on INM, poor skill in fishery pond management, financial constraint to take up in commercial scale, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), production of oilseed and pulses, production of orange, pineapple, arecanut, tea and fish. Breeding programme for cattle and training of draught animals, prevention & control of swine diseases
6		Longchem	Saring Tsuermen	Paddy, Tapioca, Maize, colocassia, Arecanut, betel vine, cattle, piggery	Unavailability of HYV (lowland paddy), Lack of knowledge and awareness on improved method of cultivation on plantation crops, lack of processing unit, lack of awareness on INM, financial constraint for commercial cultivation, inadequate availability of ploughing bullock, swine diseases	Promotion of HYV (paddy), Commercial cultivation of arecanut, tea, rubber, betel vine, colocassia, orange, production of oilseeds and pulses, Breeding programme for cattle and training of draught animals, prevention & control of swine diseases

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2013-14

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
Horticulture	3	4	12	9	5	6	10	12
Agronomy	2	2	8	6	4	3	36	22
V&A.H	2	2	20	15	2	2	25	20
GPB	2	2	6	5	3	3	11	11
EXT	-	-	-	-	-	-	-	-

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	60	53	1500	1321				
Rural youth	5	3	80	68				
Extn. Functionaries	15	11	200	164				

Seed Production (ton.)		Planting material (Nos. in lakh)	
5		6	
Target	Achievement	Target	Achievement

3. B. Abstract of interventions undertaken during 2013-14

Sl. 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	Introduction of HYV	Paddy	Low yield in local cultivars	Performance trial on HYV paddy varieties		Cultivation of lowland paddy	-	Result demonstration, Field day	Seeds
2	Seed production	Potato (TPS)	Lack of quality seeds/tuber	Performance trial on TPS		Cultivation and Management of TPS	-	Result demonstration	Seeds
3	Oilseed production	Toria	Non practice of double cropping		Promotion of toria cultivation	Cultivation practices of Rapeseed/Mustard	-	Demonstration, field day	Seeds
4	Cereal production	Paddy	Low production		Promotion of SRI	Cultivation of paddy under SRI	-	Demonstration, field day	Seed
5	Cereal production	Maize	Low yield, use of traditional cultivars		Cultivation of Maize(QPM)	Cultivation practices of maize(QPM)	-	Demonstration, field day	Seed
1	Off season vegetable production	Cabbage	Non availability of summer cabbage	Performance trial on summer cabbage	--	--	--	Demonstration, field day	Seeds, Seedlings

2	Introduction of suitable high yielding variety	Broccoli	Non availability of high yielding variety	Varietal evaluation on broccoli	--	Package and practices of broccoli	--	Field day, demonstration	Seedlings
3	Vegetable production	Red cabbage	Lack of awarenes s	OFT on Red cabbage	--	---	--	Demonstration	Seedlings
4	Vegetable production	Brinjal	Low yield in local varieties	Performance trial on Brinjal	--	--	--	Field day, demonstration	Seeds, Seedlings
5.	Vegetable production	Bitter gourd	Low yield in local varieties	-	Cultivation of bitter gourd var. Palee	-	-	Demonstration	Seeds
6.	Vegetable production	Brinjal	Low yield in local varieties	--	Demonstration on brinjal var. Debjuri Hajani	--	--	Demonstration	Seedling
7	Production of high value crop	Broccoli	Non availability of high yielding variety	--	Cultivation of broccoli var. Packman	--	--	Field days, demonstration	Seeds
8	Vegetable production	Tomato	Poor yield in locally cultivated varieties	--	Promotion of tomato var. Rocky	Improved package of practices of tomato cultivation	--	Field days,	Seeds, Seedlings
9	Increase production of papaya	Papaya	Low yield in local varieties	--	Cultivation of HYV of papaya	--	--	Demonstration	Seedlings
10	Introduction of HYV	Banana	Low yield in local varieties	--	Cultivation of banana var. Grand Naine	--	--	Field day	Planting material
11.	Increase production	Pea	Low yield in local cultivars	Performance trial on Pea var. Sweet Pearl	-	-	-	Field day, demonstration	Seed s
12.	Increase production	Maize	Low yield in local cultivars	Performance trail on Maize var. RCM-76	-	Seed production technique in Maize	-	Field day, demonstration	Seeds
13	Increased upland paddy production	Upland paddy	Low yield in local cultivars	-	Promotion of high yielding upland paddy SARS-1	Promotion of high yielding upland paddy SARS-1	-	Demonstration , field day	Seed
14	Pulse production	Soybean	Low yield in local cultivars	-	Cultivation of soybean var. RCS-1-1	Quality seed production	-	Demonstration , field day	Seeds
15	Pulse production	Pea	Low yield in local cultivars	-	Cultivation of Pea var. Arkel	Improved cultivation practices in pea	-	Demonstration , field day	Seeds

16	Improvement of Goat production	Goat	Poor growth	Comparative Performance of non descript Local and Beetle cross Assam local Goat		Goat production and management	-	Demonstration	Nil
17	Milk production	Goat	Low milk production of Non descript Local breed	Milk production of Beetle cross assam local		Clean milk production	--	Demonstration	-
18	Improvement of Nutrition	Pig	Lack of mineral mixture supplementation		Mineral mixture supplementation	-	-	Demonstration, field day	Mineral mixture
19	Improvement of Sow health	Pig	Incidence of teat injury		Clipping of needle teeth in piglets	-	-	Demonstration	Needle teeth clippers

3.1 Achievements on technologies assessed and refined during 2013-14

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	2		1		4					7
Seed / Plant production									1	1
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	2		1		4				1	7

* *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				1				1
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management				1				1
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL				2				2

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 Testing

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 (if applicable)
Performance trial on HYV paddy	Low yield in local cultivars	CAU R-I	3	Pl. ht – 48cm, Effective tillers-16, panicle length-26.2cm,grain/panicle-275.75 Yield- 58 qtl/ha	Shorter duration than existing var., dwarf, high yielding with long panicle length	Need more research in TRC condition	1:3.2
Performance trial on TPS	Lack of quality seeds/tuber	HSP /II	3		Good source for seed and portable for handling. Require proper irrigation facilities and storage condition	More in-depth study for hill area cultivation	1:3.8
Performance trial on Pea var. Sweet Pearl	Low production due to use of local cultivars.	Pea var. Sweet pearl	3	Length of pods= 9.5 cm No. of seeds/ pod=8.5 Yield Kg/ha=17000	High yielding. Good economic return	Good variety for the region requires popularization .	1:2
Performance trail on	Low production	Maize var. RCM-	2	Plant height (cm)=216.8	High yielding.	1.Suitable for crop rotation.	1:1.84

Maize var. RCM-76	due to use of local cultivars.	76		No. of cobs /plant=1.85 Length of cob (cm) 16.84 No. of grains/ cob=445.8 Yield (qt/ ha)= 34.2	Less pest and diseases incidence	2.Stalk can be used for plantation of creeper crops.	
Performance trial on summer cabbage	Non availability of summer cabbage	Summer Queen	3	Pl. ht (cm)- 32.97 Head dia (cm) 20.26 Head Cir (Cm) 54.62 Yield (Q/ha)– 324	Very profitable since it is grown during off season	More off season varieties should be developed	1:2.5
Varietal evaluation on broccoli	Non availability of high yielding variety	Inspiration, Aiswarya, Packman	1	Packman resulted the best performing variety with head dia of 16.33 cm, head cir 47.33 cm and total head yield of 120.62 q/ha followed by Aiswarya, 15 cm, 44cm, 115.29q/ha and Inspiration 12.33cm, 38.33cm, 104.08 q/ha respectively.	Packman is a good variety with good economic return but Irrigation is a problem for large scale cultivation	High yielding varieties like Packman, Puspa, Aiswarya etc should be made available to the farmers.	1:2.7
Performance trial on Red cabbage	Lack of awareness	Red Jewel	2	Pl. ht (cm)- 24.4 Head dia (cm): 13.5 Head Cir (Cm): 44.2 Yield (Q/ha)– 247.92			1:2.4
Cultivation of brinjal	Low yield in local varieties	Singnath	2	Pl.ht (cm): 130 Fruit dia (cm): 5.5 Fruit cir (cm): 18 Yield (q/ha)- 19.3	Fruit size is good with less fruit borer problem	The variety should be popularized	1:2
Comparative Performance of non descript Local and Beetle cross Assam local Goat	Poor growth	Beetle cross Assam local Goat	10	Avg. Body weight in 9 months Non descript local goats= 13.8 ± 1.9 Beetle cross Assam local= 18.5 ± 1.2	Promotion of cross breed beetle	-	
Milk production of Beetle cross assam local	Low milk production of Non descript Local breed	Beetle cross Assam local Goat	5	Lactation yield (90 days) Non descript local goats= 9 litres Beetle cross Assam local= 36 litres	Promotion of cross breed beetle	-	

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 during 2013-14

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

List of technologies demonstrated during previous year and popularized during 2013-14 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1.	Toria	TS-38 & 36	4	16	4
2.	Pea	Arkel	6	18	3
3.	Upland paddy	SARS-1	3	6	3
4.	Lowland paddy	SRI	3	9	2.25

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

b. Details of FLDs conducted 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 (OC%)	P	K
					Proposed	Actual	SC/ ST	Others	Total					
1.	Toria	Seed production	TS-36	Rabi, 2013	2	1.5	8	-	8	-	Rainfed	2.3	11.03	117
2	Paddy	Water management	SARS-6	Kharif,2013	3	1.8	4	-	4	-	Rainfed	2.2	13.2	116.2
3	Maize	ICM	HQPM-1	Kharif,2013	8	5	10	-	10	-	Rainfed	1.8	11.2	121.3
1.	Upland paddy	Increased upland paddy production	SARS-1	Kharif 2013	2	2	4	-	4	-	Rainfed	2.1	12.12	137.2
2.	Soybean	Pulse production	RCS-1-1	Kharif 2013	2	2.25	5	-	5	-	Rainfed	1.79	11.5	125
3.	Pea	Pulse production	Arkel	Rabi 2013-14	2	1	2	-	2	Lack of irrigation	Rainfed	2.12	9.86	135.2
4	Brinjal	Vegetable production	Debjuri Hajani	Kharif 2013	1.0	1.0	3	-	3	-	Rainfed	-	-	-
5	Broccoli	Production of high	Packman	Rabi 2013	1.0	1.0	2	-	2	-	Rainfed	-	-	-

		value crop												
6	Tomato	Vegetable production	Rocky	Rabi 2013	1.0	1.0	2	-	2	-	Rainfed	-	-	-
7	Bittergourd	Vegetable production	Palee	Kharif 2013	1.5	1.0	2	-	2	-	Rainfed	-	-	-
8	Papaya	Increase production of papaya	RCTP	Kharif 2013	1.5	1.0	3	-	3	-	Rainfed	-	-	-
9	Banana	Introduction of HYV	Grand Naine	Kharif 2013	2.0	1.0	2		2	-	Rainfed	-	-	-

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						
1	Toria	6.4	5.8	6.1	5.2	Pl.ht-78cm, No.of branches-7.92, siliqua/pl-82 Siliqua length-4.2cm Grain/siliqua-16 Yield-6.1qlt/ha	Pl.ht- 81cm, No.of branches-6, siliqua/pl-68 Siliqua length-3.6cm Grain/siliqua-14 Yield-5.2qlt/ha	11,000	9500	1:2.1	1:1.8	More moisture tolerant and	Can be sown late after paddy, higher yield

2	Paddy	36	33.2	34.6	28.2	Pl.ht-82 No.of tiller-16 No.of grain/panicle-158 Yield-34.6q/ha	Pl.ht-77 No.of tiller-12 No.of grain/panicle-129 Yield-28.5q/ha	21000	12500	1:3.6	1:2.3	Better root formation and withstand logging, more grain and yield	Require good irrigation source, more laborers and time consuming
3	Maize	39.4	36	37.7	23	Pl.ht-198cm No.of cob/pl-1.25 Grains/cob-408 Yield- 37.7	Pl.ht-225cm No.of cob/pl-1.33 Grains/cob-372 Yield- 23	18500	10500	1:3.7	1:2.8	Uniform cob size, dwarf and shorter crop duration	Good cob size, tender taste in green cob, difficult to procure seeds for next crop
1	Upland paddy	20.9	17	37.9	29.95	Plant height (cm)=179.8 Length of panicle (cm)=29.04 No. of grains/panicle=290 Yield qt/ha=37.9	Plant height (cm)=132.4 Length of panicle (cm) =21.5 No. of grains/panicle Yield qt/ha=29.95	11230	9360	1:1.59	1:1.2	SARS-1 is suitable for mid and high altitude and gives better yield.	Requires skill person in line sowing. Lodging is the main problem if heavy rain and storm prevails after maturity.
2.	Soybean	8.25	6.25	14.5	10.41	Plant height (cm)= 54.8 No. of branches/plant=5.4 No. of pods /plant=56.8 Yield (qt/ha)=14.5	Plant height (cm)= 51.2 No. of branches/plant=4.8 No. of pods /plant=42.1 Yield (qt/ha)=10.41	23500	12230	1:2.2	1:1.64	Popularisation and cultivation on large scale should be taken up.	High yield and good economic returns.
3.	Pea	7.9	6.7	14.6	10.7	No. of pods /plant=32.7 Yield (qt/ha)=14.6	No. of pods /plant=25.8 Yield (qt/ha)=10.7	14200	9400	1:2	1:1.78	Popularisation and cultivation on large scale should be taken up.	High yield and good economic returns.
4		11.7		9.8	8.4	Pl.ht (cm) 80	Pl.ht (cm) 63	1755	1260	1:.2	1:1.6	High yield,	Good

	Brinjal		10.75			Fruit dia (cm) 5 Fruit cir (cm) 15 Yield (q/ha)-11.7	Fruit dia (cm) 4.3 Fruit cir (cm) 13.6 Yield (q/ha)-8.4	0	0			Low pest/ disease incidence,	economic return
5	Broccoli	117.9	108.5	113.2	98.8	Pl. ht (cm)-39.5 Head dia (cm) 15.25 Head Cir (Cm) 45.85 Yield (Q/ha)–117.9	Pl. ht (cm) 37.8 Head dia (cm)13.5 Head Cir (cm) 40.3 Yield (Q/ha): 98.8	216400	160950	1:2.6	1:2	Good variety for commercial cultivation	High cost of seed, Irrigation problem
6	Tomato	317.34	266.89	236.4	216.45	Pl.ht (cm): 64.14 Fruit dia (cm): 4.59 Fruit cir (cm): 15.28 Yield (q/ha)-317.34	Pl.ht (cm) 51.6 Fruit dia (cm) 3.15 Fruit cir (cm) 13.75 Yield (q/ha)-216.45	235940	136600	1:3.8	1:2.7	High yield, low pest problem	Good economic return, Irrigation problem
7	Bitter gourd	208.3	179.95	151.6	135.2	Fruit length (cm) 25.8 Fruit dia (cm) 6.58 Fruit cir (cm) 9.92 Yield (Q/ha) 208.3	Fruit length (cm) 19.7 Fruit dia (cm) 5.26 Fruit cir (cm) 8.2 Yield (Q/ha) 135.2	208300	135200	1:2.2	1:1.5	Good variety for popularization	Good economic return
8	Papaya	-	-	-	-	Ongoing	Ongoing	-	-	-	-	-	-
9	Banana	-	-	-	-	Ongoing	Ongoing	-	-	-	-	-	-

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	6	4/09/2013 10/12/2013 21/01/2014 12/02/14, 29/10/13,06/08/13	115	Farmers were encouraged to go for commercial scale.
2	Farmers Training	6	5/03/2013 19/09/2013 11/06/2013 30/10/13, 06/03/13,21/05/13	80	Farmers were trained on improved practices on upland paddy,Soybean and pea.
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		
Pig	Upgraded Local	10	20	Body weight in 12 months	110±5 Kg Body weight in 12 months	90±10 Kg Body weight in 12 months	22.22% increase in body weight in 12 months	Adoption of Mineral mixture supplementation results in better body growth rate
Pig	Upgraded Local	10	10 sows, 82 piglets	Incidence of teat injury	0% occurrence	20% occurrence of teat injury by piglets	100 % reduction	Clipping of needle teeth in piglets is advisable in order to reduce incidence of teat injury

**** 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								

3.4. 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**	
(A) FARMERS & FARM WOMEN																						
I. Crop Production																						
Weed Management		2	2								19		28		47		19		28		47	47
Resource Conservation Technologies		3	3								25		44		69		25		44		69	69
Cropping Systems		1	1								-		29		29		-		29		29	29
Crop Diversification		2	2								29		21		50		29		21		50	50
Integrated Farming		1	1								10		15		25		10		15		25	25
Water management	1	1	2							8	13	17	11	25	24	8	13	17	11	25	24	49
Seed production	1	2	3							9	26	12	20	21	46	9	26	12	20	46	21	67
Nursery management		2	2								23		22		45		23		22		45	45
Integrated Crop Management		4	4								51		72		123		51		72		123	123
Fodder production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops	2	1	3							12	10	27	12	39	22	12	10	27	12	39	22	61
Off-season vegetables	1	1	2						4	5	17	17	21	22	4	5	17	17	21	21	22	43
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardization	-	2	2							-	20	-	24	-	44	-	20	-	24	-	44	44
Protective cultivation (Green Houses, Shade Net etc.)																						

b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards	2	2	4							20	19	30	18	50	37	20	19	30	18	50	37	87
Cultivation of Fruit	2	-	2							15	-	22	-	37	-	15	-	22	-	37	-	37
Management of young plants/orchards	1	-	1							14	-	11	-	25	-	14	-	11	-	25	-	25
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		1	1								10		15		25		10		15		25	25
Processing and value addition																						
e) Tuber crops																						
Production and Management technology		1	1								8		15		23		8		15		23	23
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		1	1								4		8		12		4		8		12	12
Poultry Management		1	1								8		18		25		8		17		25	25
Piggery Management		1	1								10		13		23		10		13		23	23
Goatry Management	2		2							30		20		50		30		20		50		50
Disease Management																						
Feed management																						
Production of quality animal products		1	1								15		10		25		15		10		25	25
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		3	3								30		42		72		30		42		72	72
Integrated Disease Management	1		1							10		15		25		10		15		25		25
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		1	1								16		5		21		16		5		21	21

Formation and Management of SHGs	2		2							30		20		50		30		20		50		50
Mobilization of social capital																						
Entrepreneurial development of farmers/youths																						
WTO and IPR issues		4	4								80		89		169		80		89		169	169
XI Agro-forestry																						
Production technologies																						
Nursery management																						
Integrated Farming Systems																						
TOTAL																						
(B) RURAL YOUTH																						
Mushroom Production																						
Bee-keeping																						
Integrated farming	1		1							10		15		25		10		15		25		25
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		1	1								12		11		23		12		11		23	23
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	1		1							15		5		20		15		5		20		20
TOTAL																						
(C) EXTENSION PERSONNEL																						
Productivity enhancement in field crops	2	1	3							11	5	11	5	22	10	11	5	11	5	22	10	32
Integrated Pest Management	1		1							7		8		15		7		8		15		15
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs	1		1							10		6		16		10		6		16		16
Group Dynamics and farmers organization	1		1							10		5		15		10		5		15		15
Information networking among farmers																						
Capacity building																						

for ICT application																					
Care and maintenance of farm machinery and implements																					
WTO and IPR issues	2		2							19		9		28		19		9		28		28
Management in farm animals	1	1	2							12	15	8	10	20	25	12	15	8	10	20	25	45
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		1	1								7		6		13		7		6		13	13
TOTAL	25	41	67							246	470	258	579	504	1049	246	470	258	579	504	1049	1553

Note: Please furnish the details of above training programmes as Annexure 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
8/4/13	PF	Seed production techniques in Maize	Plant Breeding		1	On	-	-	-	9	12	24	9	12	24
11/4/13	PF	Cultivation of Tapioca	Agronomy		1	On	-	-	-	8	17	25	8	17	25
15/4/13	PF	Management of Eri silkworm host plant	Plant protection		1	Off	-	-	-	10	15	25	10	15	25
22-24/4/13	PF	Training for animal health workers	V & A.H		3	Off	-	-	-	4	8	12	4	8	12
23/4/13	PF	SRI and Maize cultivation	Agronomy		1	On	-	-	-	8	17	25	8	17	25
8/5/13	PF	Training on clean milk production	V & A.H		1	Off	-	-	-	15	10	25	15	10	25
08/05/13	PF	Management of young orchards	Horticulture	Orchard management	1	Off	-	-	-	14	11	25	14	11	25
9-	PF	Pulse priduction	Agrono		2	Off	-	-	-	20	30	50	20	30	50

10/5/13			my													
13/5/13	EF	IPM on paddy	Plant protection		1	On	-	-	-	7	8	15	7	8	15	
22/5/13	PF	IPM on vegetables	Plant protection		1	Off	-	-	-	10	15	25	10	15	25	
23-24/5/13	PF	Formation of Group	Agril. Extension		2	On	-	-	-	20	30	50	20	30	50	
4/6/13	PF	Oilseed production	Agronomy		1	Off	-	-	-	10	15	25	10	15	25	
13/6/13	PF	IPM on paddy	Plant protection		1	Off	-	-	-	18	12	30	18	12	30	
25/6/13	PF	Managing a suitable goatry unit	V & A.H		1	On	-	-	-	15	10	25	15	10	25	
26/6/13	EF	Protection of Plant Varieties and Farmers Right Act	Plant Breeding		1	On	-	-	-	10	5	15	10	5	15	
26/6/13	EF	Pulse production	Agronomy		1	On	-	-	-	8	7	15	8	7	15	
9/7/13	PF	Off season cultivation of cabbage and cauliflower	Plant Breeding		1	Off	-	-	-	4	17	21	4	17	21	
09/07/13	PF	Cultivation of off season Cabbage and Cauliflower	Horticulture	Off season Vegetable production	1	On	-	-	-	5	17	22	5	17	22	
10/07/13	PF	Package of practices of solanaeceous vegetables crops	Horticulture	Vegetable production	1	On	-	-	-	3	17	20	3	17	20	
10/7/13	PF	Protection of Plant Varieties and Farmers Right Act	Plant Breeding		1	Off	-	-	-	5	15	21	5	15	21	
18/7/13	EF	Formation and management of SHGs	Agril. Extension		1	On	-	-	-	10	6	16	10	6	16	
18/7/13	PF	SRI	Agronomy		1	Off	-	-	-	12	11	24	13	11	24	
18/7/13	EF	Training on advances in animal health care	V & A.H		1	On	-	-	-	12	8	20	12	8	20	
19/7/13	PF	Management of silkworm pest and diseases	Plant protection		1	On	-	-	-	10	15	25	10	15	25	
2/8/13	PF	IPM on pulses	Plant protection		1	Off	-	-	-	10	15	25	10	15	25	
5/8/13	PF	Managing group dynamics	Agril. Extension		1	Off	-	-	-	16	5	21	16	5	21	

5/8/13	PF	Quality seeds production	Plant Breeding		1	Off	-	-	-	16	5	21	16	5	21
5/8/13	RY	Jhum fallow management	Agronomy		1	Off	-	-	-	10	15	25	10	15	25
05/08/13	PF	Pest and Disease management in Citrus	Horticulture	Fruit production	1	On	-	-	-	7	10	17	7	10	17
19/8/13	EF	Jhum intensification	Agronomy		1	Off	-	-	-	5	5	10	5	5	10
6/9/13	RY	Training on Small Scale Commercial Poultry	V&A>H		1	Off	-	-	-	12	11	23	12	11	23
11/09/13	PF	Cultivation of winter vegetables	Horticulture	Vegetable production	1	Off	-	-	-	10	12	22	10	12	22
20/9/13	PF	Seeds conservation	Agronomy		1	Off	-	-	-	8	11	19	8	11	19
21/9/13	PF	Seeds conservation	Agronomy		1	Off	-	-	-	11	14	25	11	14	25
24/9/13	EF	Rapeseed/Mustard cultivation	Agronomy		1	On	-	-	-	3	4	7	3	4	7
24/9/13	EF	Group dynamics and farmers organization	Agril. Extension		1	On	-	-	-	10	5	15	10	5	15
3/10/13	PF	Training on temperature stress-Pigs	V&A.H		1	Off	-	-	-	10	13	23	10	13	23
18/10/13	PF	Package of practices of orange	Horticulture	Fruit production	1	On	-	-	-	8	12	20	8	12	20
19/10/13	PF	Citrus orchard management	Horticulture	Orchard management	1	Off	-	-	-	7	10	17	7	10	17
13/11/13	EF	Advances in swine production and management	V&A.H		1	Off	-	-	-	15	10	25	15	10	25
13/11/13	PF	Seed production technology on Rabi Crop	PB&G		1	Off	-	-	-	10	15	25	10	15	25
19/11/13	PF	Cultivation of TPS	Agronomy		1	Off	-	-	-	11	13	24	11	13	24
19/11/13	RY	Rural Craft	Extension		1	On	-	-	-	15	5	20	15	5	20
19/11/13	PF	Package of practices of capsicum	Horticulture	Vegetable production	1	On	-	-	-	9	10	19	9	10	19
20/11/13	EF	Protection of plant variety and Farmers Right Act	PB&G		1	On	-	-	-	9	4	13	9	4	13
29/11/13	PF	Post harvest management of ginger	Horticulture	Post harvest mana	1	Off	-	-	-	11	12	23	11	12	23

				gement											
2-4/12/13	PF	Goat production and management	Vety&AH		3	On	-	-	-	15	10	25	15	10	25
11/12/13	EF	Gender mainstreaming through SHGs	Extension		1	Off	-	-	-	7	6	13	7	6	13
15/12/13	PF	Post harvest and storage management on Paddy	Agronomy		1	Off	-	-	-	6	19	25	6	19	25
01/02/14	PF	Post Harvest Management in Ginger	Horticulture	Post harvest management	1	Off	-	-	-	9	12	21	9	12	21
5/2/14	PF	Poultry production and management	Vety&AH		1	Off	-	-	-	8	17	25	8	17	25
19/2/14	PF	Selection of Quality and Nursery Management cucumber	PB&G		1	oFF	-	-	-	11	12	23	11	12	23
19/02/14	PF	Half moon terracing in orange orchard	Horticulture	Orchard management	1	Off	-	-	-	12	8	20	12	8	20
21/2/14	PF	Cultivation of HYV maize	Agronomy		1	Off	-	-	-	8	12	20	8	12	20
25/2/14	PF	Selection of quality seeds and nursery management in chilly	PB&G		1	Off	-	-	-	12	10	22	12	10	22
3/3/14	PF	Plant propagation techniques in Tapioca	PBG		1	Off	-	-	-	8	15	23	8	15	23
25/3/14	PF	Improve jhum cultivation	Agronomy		1	Off	-	-	-	10	15	25	10	15	25

(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		
1	20/06/13	Intercropping in orange orchard	Horticulture	Orchard management	1	PF	1				13	17	30	13	17	30	ATMA	10000
2.	8/8/13	Double cropping system	Agronomy		1	PF	1				-	29	29	-	29	29		
3	15/8/13	Recent approaches in crop improvement	Plant Breeding		1	PF	1				40	20	60	40	20	60	ATMA Mkg.	
4	9/10/13	Cultivation of Pulse	Agronomy		1	PF	1				13	15	28	13	15	28		
5	16/10/13	Cultivation of rapeseed/ mustard	Agronomy		1	PF	1				10	14	24	10	14	24		
6	23/10/13	Cultivation of rapeseed/mustard	Agronomy		1	PF	1				9	14	23	9	14	23		
7	18/2/14	Commodity future market and scope and potential organic products	PB&G		1	PF	1				14	11	25	14	11	25		
8	12/03/14	Management of banana orchard	Horticulture	Orchard management	1	PF	1				7	13	20	7	13	20	ATMA	10000
9	18/3/14	Awareness and sensitization on protection of plant varieties and farmers Right Act	PB&G		1	PF	1				21	39	60	21	39	60		
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) during 2013-14

Sl. No.	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	**Diagnostic visit**		**53**				**129**	**127**	**256**						**256**
1	Group discussion		**18**				**128**	**146**	**274**						**274**
3	Advisory service		**47**				**238**	**230**	**468**						**468**
4	Field visit		**14**				**44**	**66**	**110**						**110**
5	Farmers visit to KVK		**9**				**147**	**71**	**119**						**119**
6	Method demonstration		**6**				**60**	**57**	**117**						**117**
7	Popular article		1				-	-	-						-
8	Conveners meeting		2				10	6	16						16
9	Lecture delivered		19				282	218	500						500
10	Celebrations of importance a.WED b.Independence day c. Republic day		 1 1 1				 20 - -	 10 - -	 30 - -						 30 - -
11	Leaflets		2				350	250	600						600
12	Film show		1				22	31	53						53
13	PRA survey		3				32	43	75						75
14	Field day		2				29	35	64						64
15	Exhibition		3				-	-	-						-
16	Newspaper coverage		2				-	-	-						-
17	Distribution of planting materials		3				14	15	29						29
18	Animal health camp		2				22	38	60						60
Grand Total			**190**				**1527**	**1343**	**2870**						**2870**

* Example for guidance only

3.5 Production and supply of Technological products during 2013-14

a. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
CEREALS	Paddy	SARS-1 & 6	4.5	4500	15
	Maize	RCM-76	0.35	875	4
OILSEEDS					
	Toria	TS- 36 & 38	0.95	3800	20

PULSES					
	Ricebean	Chakhesang dwarf	0.25	1125	8
VEGETABLES	Cabbage	Summer Queen	2 pkts	xxx	2
		Rare ball	4 pkts		4
	Bitter gourd	Palee	3 pkts		3
	Red cabbage	Red Jewel	2 pkts		2
	Cauliflower	Mareet	3 pkts		3
	Brinjal	Singnath	4 pkts		4
		Debjhuri Hajani	3 pkts		3
	Tomato	Rocky	5 pkts		5
FLOWER CROPS					
OTHERS (Specify)					

SUMMARY

Sl. No.	Major group/class	Quantity (Qt.)	Value (Rs.)	Provided to No. of Farmers/Other Agencies
1	CEREALS	4.85	5375	19
2	OILSEEDS	0.95	3800	20
3	PULSES	0.25	1125	8
4	VEGETABLES	26 pkts	xxx	26
5	FLOWER CROPS			
6	OTHERS			
TOTAL				73

b. PLANTING MATERIALS (Nos. in lakh)

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
FRUITS	Papaya	RCTP	0.005	7500	4
	Banana	Grand Naine	0.002	4000	2
SPICES					
VEGETABLES	Cabbage	Summer Queen	0.008	4000	4
	Tomato	Rocky	0.01	5000	6
	Red cabbage	Red Jewel	0.005	2500	3
	Cauliflower	Mareet	0.005	3000	4
	Brinjal	Singnath	0.004	2000	4
FOREST SPECIES					
ORNAMENTAL CROPS					
PLANTATION CROPS					
Others (specify)					
Total			0.039	28000	27

SUMMARY

Sl. No.	Major group/class	Quantity (Nos. in lakh)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS	0.007	11500	6
2	VEGETABLES	0.032	16500	21
3	SPICES			

4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	TOTAL	0.039	28000	27

c. BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(qt)		
BIOAGENTS/ vermi compost	Compost	*Esenia foeteda*		0.45	675	5
BIOFERTILIZERS						
1						
BIO PESTICIDES						
1						

SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS/ vermi compost	*Esenia foeteda*		45	675	5
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	TOTAL			45	675	5

d. 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) during 2013-14

(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			
	xxxx	Renbomo & Dr. Pijush	-
Training manuals			
Technical reports			
Book/ Book Chapter			
Popular articles			
Technical bulletins			
Extension bulletins			
Newsletter	Newsletter (April – September 2013)	KVK Mokokchung	200
Conference/ workshop proceedings			
Leaflets/folders	Package of practices of summer cabbage Package of practices of Red cabbage Recent approaches in crop improvement (A0 local dialect) Cultivation practices of rubber	Renbomo Bendangjungla.I Samuel	500 500 200 250
e-publications			
Any other (Pl. specify)			
TOTAL			**1650**

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 only)

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.	

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 during 2013-14

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

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

Sl. 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 DURING 2013-14

6.1 Performance of demonstration units (other than instructional farm)

Sl. No.	Demo Unit	Year of estd.	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									
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
i.									
ii.									

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/ species	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) during 2013-14

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					

Note: (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) if applicable*

Item	Released by ICAR/ZPD		Expenditure		Unspent balance as on 31st March, 2014
	2010–11	2011-12	2012-13	2013-14	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2013 -14

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			
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 2011 to March 2012				
April 2012 to March 2013				
April 2013 to March 2014				

Note: No KVK must leave this table blank

8.0 Please include information which has not been reflected above.

(Write in detail)

8.1 Constraints

(a) Administrative

(b) Financial

(c) Technical

(Signature)

Programme Coordinator