ANNUAL ACTION PLAN: 2012-13 (APRIL 2012 TO MARCH 2013)

KVK, Phek, Nagaland

PART – I

(GENERAL INFORMATION)

1. General information about the KVK

Name and address of KVK with Phone, Fax and E-mail*

Complete postal address with Pin Code	Telephone	Fax	E mail
Krishi Vigyan Kendra (NRCM), Village- Porba, P.O-Pfutsero, District - Phek, Nagaland-797107.	03865-281436	03865-281436	kvkphek@gmail.com www.kvkphek.org.in

Name and address of host organization with Phone, Fax and E-mail*

Complete postal address with Pin Code	Telephone	Fax	E mail
NRC on Mithun, Jharnapani, Medziphema, Nagaland.	03862-247341	03862-247341	nrcmithun@mailcity.com www.nrcmithun.res.in

Name of the Programme Coordinator with Landline & Mobile No*

Name of PC	Contacts		
	Residence	Mobile	E mail
Dr. R.K.Singh	Village- Porba, P.O-Pfutsero, District - Phek, Nagaland-797107	09436606353	rksingh3@gmail.com

**** = Mandatory and to be provided without fail.***

Year of sanction of KVK:2003

Scientific Staff Position* (As on 31st January, 2012)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
1	Programme Coordinator	Dr. R.K.Singh	Programme Coordinator	Animal Science	07.12.08	Permanent
2	Subject Matter Specialist	Mr.Rinku Bharali	SMS	Horticulture	17.08.06	Permanent
3	Subject Matter Specialist	T.Esther Longkumer	SMS	Soil Science	01.08.06	Permanent
4	Subject Matter Specialist	Hannah K. Asangla	SMS	Agronomy	01.08.06	Permanent
5	Subject Matter Specialist	Er. Chitrasen Lairenjam	SMS	Agril Engg.	10.08.06	Permanent
6	Subject Matter Specialist	Dr. Debojyoti Borkotoky	SMS	Animal Science	01/11/2010	Permanent
7	Subject Matter Specialist	Mrs. Liza Barua Bharali	SMS	Plant Protection	23.11.09	Permanent

8	Programme Assistant	Virginia Thabah	Programme Asst.	Home Science	21.08.06	Permanent
9	Computer Programmer	Er. Nukusa T. Vadeo	Computer Programmer	Computer Engg.	01.08.06	Permanent
10	Farm Manager	Keniseto Chucha	Farm Manager	Horticulture	10.11.09	Permanent

**** = The scientific staff position should reflect in the quantity and quality of all programmes proposed by KVK in the action plan***

Total land with KVK (in ha): 14.94

No.	Item	Area (ha)
1	Under Buildings	0.06
2	Under Demonstration Units	Nil
3	Under Crops	0.2
4	Orchard/Agro-forestry	1.8
5	Others	14.94

SAC meetings proposed for the year: 2012-13

No.	Proposed Date/Month	Expected Participants	Salient Action Points
1	April 2012	25	Evaluation of SRI technology Popularization of high yielding variety of Maize Varietals evaluation of Kiwi Popularization of Oyster Mushroom Popularization of Protected cultivation technology Farm mechanization Disease and feeding management of livestock Post harvest management of of vegetables and fruits Integrated pest and disease management vegetable
2	Nov 2012	25	Popularization of rapseed Popularization of field pea Popularization of HYV of rabi vegetables Demonstration on sprinkler irrigation during winter Integrated pest and disease management Integrated Nutrient Management Disease and feeding management of livestock Post harvest management of of vegetables and fruits

Details of district (2012-13)

Major farming systems existing in the district* (based on the study made by the KVK)

No	Farming systems identified
1.	Jhum
2.	Pani kheti
3.	Zabo system
4.	Agrisilvipastoral system

**** = the programmes proposed by KVK should be matching with the identified farming systems***

Description of Agro-climatic Zone (based on soil and topography)

No	Agro-climatic Zone	Characteristics
1.	Sub temperate I Hill Zone (1000-1500m MSL)	High hills to medium hills with steep slope and undulating topography. Soils are rich in organic matter and ranges from sandy loam to clay loam
2.	Sub Alpine temperate zone (1500-3500m MSL)	High hills with steep terrains and deep gorges. Soils ranges are clay to clay loam
3.	Mild temperate Hill zone (200-800m MSL)	Mid hills to low hills with gentle slopes. Soils ranges from sandy loam to clay

Description of major agro ecological situations (based on soil and topography)

No	Agro ecological situation	Characteristics
1	AES-I (500-1000 meters msl)	Foot hills with gentle slope having terraces suitable for paddy cultivation. Soil is basically clay loam to clay
2.	AES-II (1000-1500 meters msl)	Moderate hills with gentle slope have been observed. Soil is loamy in nature.
3.	AES-III (above1500 meters msl)	Topography is high hills with moderate to steep slopes. Soil is dominantly Sandy loam to clay loam
1	AES-I (500-1000 meters msl)	Foot hills with gentle slope having terraces suitable for paddy cultivation. Soil is basically clay loam to clay

Details of Operational area / Villages

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	Pfutsero	Pfutsero	Porba	Paddy	Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and loss due to improper storage Soil erosion, loss of fertility and degradation	Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers.
				Maize	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize	Introduction of improved storage structure for cereals. Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Potato	Low yield Non avialibility of quality planting material Cut worm, Red ants	Introduction of high yielding/hybride varieties
				Banana	Cultivation of wild type low quality banana cultivars. Improper training of plants.	Proper plant geometry and seed rate Use of maize shellers
				Passion fruit	Improper planting, training and pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil.
				Pear, Peach	Heavy weed infestation in the	Introduction of TPS technology

				& plum	orchards Low yield and quality of pear peach and plum.	Use of suitable plant protection measures
				Cabbage	Improper nursery raising technique Insect and pest infestation.	Introduction of high quality of banana cultivar such as Grand naine
					Mix cultivation resulting in hindrance for intercultural operations.	Improved production technology of passion fruit. Use of suitable plant protection measures
				Ginger	Rotting in field and as well as during storage	Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Poultry	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding	Control of weeds Use of high yielding varieties with improved production technology. Proper nursery raising techniques.
				Piggery	High epidemics of RD	Use of bio-control agents
					Low production performance of local breeds Non-availability of piglets in the locality	Developing proper intercropping pattern
				Mithun	Tendency of the farmers to produce pork on zero to negligible inputs	Soil and Seed treatment Proper storage of finished products
				Cattle	High incidence of disease occurrence like FMD Compensation of mineral deficiency in high hill fodders by providing common salt only Parasitic infestation in young calves	Introduction of quality poultry germplasm. Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance Vaccination
					Poor milk production of local breed, Thotho	Introduction of quality pig germplasm. Developing breeding unit of high performing breeds
					Epidemics of FMD Parasitic infestation in young calves	Creating awareness regarding performance and management of better germplasm
				Fishery	Skin disease in local breed Poor production of local fish	Vaccination and health coverage measures. Feeding of Compounded mineral mixture instead of common salt only Deworming on regular intervals
						Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals
						Liming in fish pond Introduction of quality fish breed
2	Pfutsero	Pfutsero	Sakaraba	Paddy	Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and	Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient

					loss due to improper storage Soil erosion, loss of fertility and degradation	management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers.
				Maize	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize	Introduction of improved storage structure for cereals. Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Potato	Low yield Non avialibility of quality planting material Cut worm, Red ants	Introduction of high yielding/hybride varieties
				Banana	Cultivation of wild type low quality banana cultivars. Improper training of plants.	Proper plant geometry and seed rate Use of maize shellers
				Passion fruit	Improper planting, training and pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil. Introduction of TPS technology
				Pear, Peach & plum	Heavy weed infestation in the orchards Low yield and quality of pear peach and plum.	Use of suitable plant protection measures Introduction of high quality of banana cultivar such as Grand naine
				Cabbage	Improper nursery raising technique Insect and pest infestation. Mix cultivation resulting in hindrance for intercultural operations.	Improved production technology of passion fruit. Use of suitable plant protection measures Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Ginger	Rotting in field and as well as during storage	
				Large cardamom	High incidence of disease occurrence resulting in dyeing of plants High energy requirement in drying	Control of weeds Use of high yielding varieties with improved production technology. Proper nursery raising techniques. Use of bio-control agents Developing proper intercropping pattern
				Poultry	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding High epidemics of RD	Soil and Seed treatment Proper storage of finished products
				Piggery	Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs	Use of resistant varieties Proper designing of driers Introduction of quality poultry germplasm. Adequate and hygienic shelter/housing
				Cattle	Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Supplementary feeding for better growth and performance Vaccination Introduction of quality pig germplasm.

						Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals
3	Pfutsero	Pfutsero	Gidemi	Paddy	Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and loss due to improper storage Soil erosion, loss of fertility and degradation	Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers.
				Maize	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize	Introduction of improved storage structure for cereals. Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Potato	Low yield Non avialibility of quality planting material Cut worm, Red ants	Introduction of high yielding/hybride varieties
				Banana	Cultivation of wild type low quality banana cultivars. Improper training of plants.	Proper plant geometry and seed rate Use of maize shellers
				Passion fruit	Improper planting, training and pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil. Introduction of TPS technology Use of suitable plant protection measures
				Mandarin	Improper spacing Insect pest and disease management	Introduction of high quality of banana cultivar such as Grand naine
				Pear, Peach & plum	Heavy weed infestation in the orchards Low yield and quality of pear peach and plum.	Improved production technology of passion fruit. Use of suitable plant protection measures Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Ginger	Rotting in field and as well as during storage	Proper plant geometry Integrated pest and disease management
				Poultry	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding	Control of weeds Use of high yielding varieties with improved production technology.
				Piggery	High epidemics of RD	Soil and Seed treatment

					Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs	Proper storage of finished products Introduction of quality poultry germplasm. Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance
				Cattle	Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Vaccination Introduction of quality pig germplasm. Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals
4	Pfutsero	Pfutsero	Pfutseromi	Paddy	Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and loss due to improper storage Soil erosion, loss of fertility and degradation	Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers.
				Maize	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize	Introduction of improved storage structure for cereals. Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area.
				Potato	Low yield Non avialibility of quality planting material Cut worm, Red ants	Introduction of high yielding/hybride varieties Proper plant geometry and seed rate Use of maize shellers
				Banana	Cultivation of wild type low quality banana cultivars. Improper training of plants.	
				Passion fruit	Improper planting, training and pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil. Introduction of TPS technology Use of suitable plant protection measures
				Pear, Peach & plum	Heavy weed infestation in the orchards Low yield and quality of pear peach and plum.	Introduction of high quality of banana cultivar such as Grand naine
				Ginger	Rotting in field and as well as during storage	Improved production technology of passion fruit. Use of suitable plant protection measures Development capabilities of

				Poultry Piggery Cattle	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding High epidemics of RD Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	rural youth and women in the field of fruits and vegetables processing and value addition. Control of weeds Use of high yielding varieties with improved production technology. Soil and Seed treatment Proper storage of finished products Introduction of quality poultry germplasm/new kind of bird like turkey Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance Vaccination Introduction of quality pig germplasm. Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals
5	Chazuba	Kikruma	Thipuzu	Maize Paddy Potato Banana	Poor yield and low quality of local variety Improper plant spacing with higher seed rate Drudgery in shelling of maize Poor yield of local variety. Degrading soil fertility Stem borer infestation More time and labour consumption in weeding and thrashing of paddy Poor viability of seeds and loss due to improper storage Soil erosion, loss of fertility and degradation Low yield Non avialibility of quality planting material Cut worm, Red ants Cultivation of wild type low quality banana cultivars. Improper training of plants. Improper planting, training and	Introduction of high yielding/hybride varieties Proper plant geometry and seed rate Use of maize shellers Introduction of high yielding varieties of paddy suitable for panikheti. Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management Use of suitable plant protection measures Introduction of improved paddy weeders and thrashers. Introduction of improved storage structure for cereals. Proper design of terrace, water harvesting, diversion, developing irrigation and drainage system for proper management of watershed area. Use of high yielding varieties and adoption of Integrated nutrient management to maintain the fertility status of soil. Introduction of TPS technology Use of suitable plant

				Passion fruit	pruning Insect pest and disease infestation. Post harvest losses of fruits and vegetables	protection measures Introduction of high quality of banana cultivar such as Grand naine
				Kiwi, Pear, Peach & plum	Heavy weed infestation in the orchards Low yield and quality of pear peach and plum.	Improved production technology of passion fruit. Use of suitable plant protection measures Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
				Ginger	Rotting in field and as well as during storage	Control of weeds
				Poultry	Low production performance of existing birds No provision of night shelter and unhygienic dwellings Improper feeding	Use of high yielding varieties with improved production technology. Soil and Seed treatment Proper storage of finished products
				Piggery	High epidemics of RD Low production performance of local breeds Non-availability of piglets in the locality Tendency of the farmers to produce pork on zero to negligible inputs	Introduction of quality poultry germplasm/new kind of bird like turkey Adequate and hygienic shelter/housing Supplementary feeding for better growth and performance Vaccination
				Cattle	Poor milk production of local breed, Thotho Epidemics of FMD Parasitic infestation in young calves	Introduction of quality pig germplasm. Developing breeding unit of high performing breeds Creating awareness regarding performance and management of better germplasm
				Farm implements	Lack of improved tools and implements	Breed improvement through selection and cross breeding Vaccination Deworming on regular intervals Introduction of power tiller and other tools and implements for hill agriculture
6	Pfutsero	Pfutsero	Chizami,	Rice Maize Potato	Stem borer infestation Cob borer infestation Wilting, Poor quality planting material	Introduction of trichocards Introduction of QPM and cob borer management Introduction of high yielding variety
7	Pfutsero	Pfutsero	Thetsumi			
8	Pfutsero	Pfutsero	Enhulumi	Apple	Trunk borer infestation	IPM in apple
9	Pfutsero	Pfutsero	Lehromi	Mithun	FMD, Parasitic infestation	Disease management in Mithun
10	Chazuba	Chazuba	Chesezu Nasa	Pig Poultry	Swine fever, FMD, mange RD, Pox, IBD and parasitic infestation	Disease management in pig Disease management in Poultry

Priority thrust areas (prioritized in sync with thrust areas identified and given above)

Rank	Thrust area
1.	Evaluation of SRI technolgy.
2.	Popularization QPM technology
3.	Nutritional management in rabbit
4.	Adequate Livestock and poultry health coverage measures
5.	Adoption of Integrated nutrient management to maintain the fertility status of soil.
6.	Introduction of biofertilizers e.g.Rhizobium, Azotobacter, Azospirillum, Blue green algae, Azolla for nutrient management
7.	Production technology for Cole crops
8.	Protected cultivation technology
9.	Introduction of high yielding varieties of kiwi
10.	Insect pest and disease management in fruits and vegetables
11.	Improved production technology on temperate fruits
12.	Proper design of terrace, water harvesting and diversion, irrigation and drainage system for proper management of watershed area
13.	Development capabilities of rural youth and women in the field of fruits and vegetables processing and value addition.
14.	Farm mechanization

PART – II

(OFT AND FLD)

2. Technical activities proposed

Abstract of interventions to be undertaken during 2012-13 (Target)

No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions (if any)					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1	Nutrient management	bean	Low productivity	Biofertilizer application in bean	-	Use of biofertilizer	-	Folder on Use of biofertilizer, field day	Seeds, biofertilizer
2	Nutrient management	French bean	Low productivity, poor quality seeds.	Nutrient management in French bean through organic sources	-	Use of organic sources in French bean	-	Folder on Use of organic sources in French bean, field day.	Seeds, vermicompost, NADEP compost, Azolla compost
3	Nutrient management	Potato	Poor availability of soil phosphorus, lack of quality tubers	-	Biofertilizer application on potato.	Use of biofertilizer	-	Folder on Use of biofertilizer, field day	Biofertilizer, potato tubers.
4	Processing	local Mushroom	Not processed	Value addition of local mushroom	-	Preparation of mushroom products	-	Demonstration	Supply of and ingredients.
5	Processing	Local Banana	Spoilage due to surplus production	-	Value addition of local banana	Preparation of banana jelly and cake	-	Demonstration	Supply of ingredients
6	Introduction of variety	Cabbage	Low price of existing variety.	Performance of red cabbage under Phek district		Production technology of cabbage.	-	Demonstration and field day	seeds
7	Popularization of variety	Cauliflower	Not cultivated		Popularization of cauliflower var. Snowball under Phek district	Production technology on cauliflower	-	Demonstration and field day	Seeds
8	Varietal evaluation	Kiwi	Non availability of pure varieties	Performance of kiwi varieties under Phek district		Kiwi- A potential fruit for North east	-	Demonstration	Planting materials
9	Popularization of mushroom	Mushroom	Lack of availability of wild mushroom, incidence of poisoning	-	Popularization of oyster mushroom	Oyster Mushroom production for income generation	-	Demonstration and field day	Spawn, Polybags
10	IPM in cabbage	Cabbage	Severe cutworm infestation at seedling stage	Effect of derisom (extract of *derris indica*)and neem oil for cutworm management in cabbage	-	Insect pest management in cabbage	-	Demonstration	Seeds, Biopesticides

11	IPM in Cauliflower	Cauliflower	Aphid infestation in Cauliflower during rabi season		Organic control of aphid using tobacco in cauliflower	IPM in Cauliflower	-	Demonstration and field day	Seeds, Biopesticides
12	Balanced nutrition in rabbit	Rabbit	Low growth weight	Performance of rabbit under concentrated pallet feeding		Feeding management in rabbit	-	Demonstration	Concentrated pallets
13	Nutrition in poutry	Poultry	Low body weight gain	Performance of poultry under QPM feeding		Feeding management in poultry	-	Demonstration	QPM
14	Disease management	Mithun	occurrence of FMD in mithun resulting in economic loss	-	Demonstration on FMD vaccination in Mithun	Prevention and control of FMD in Mithun	-	Demonstration	FMD vaccine
15	Disease management	Piggery	Ecto-endo parasitic infestation in pig	-	Demonstration on anthelmentic treatment of pigs	Deworming of pig for better performance	-	Demonstration	Piperazine anthelmentics
16	Farm mechanization and drudgery reduction	Paddy	Drudgery involved and no proper crop geometry	Performance of manual rice transplanter		Improved agriculture implements and tools	-	Demonstration and field day	-
17	Farm mechanization	Soil	Drudgery reduction and farm mechanization	-	Demonstration on Mould board plough	Improved agriculture implements and tools	-	Demonstration and field day	-
18	Low yield	Paddy	low yield	Performance of SRI		Introduction to SRI technology for high yield	-	Demonstration	
19	growth and yield	Groundnut	Varietal trail	-	Growth and yield of groundnut Var JL24		-	Demonstration and field day	groundnut Var JL 24
20	growth and yield	Soybean	Varietal trail	-	Growth and yield of Soybean Var JS 335		-	Demonstration and field day	Var JS 335

Notes (to be strictly followed in formulation of OFTs):

Technology Assessment refers to any technology (preferably new) going for assessment through OFT for the first time in a micro location.

Technology Refinement refers to an already assessed technology getting refined through OFT to suit micro location needs for later demonstration.

If any OFT is proposed for refinement, kindly mention whether the technology was assessed earlier or not. If not, provide reasons.

Technologies older than 5 years have to be preferably avoided for OFTs

Examples:

Technology selected for assessment (and/or) refinement (Ex: Rice Var: XXXXXX)

Source of technology with year of release (Ex: ICAR RC NEH, Barapani, 2007)

Production system and thematic area (Ex: Crop production & Weed management)

Performance indicators of the technology (Ex: Yield, Shelf life etc)

Details of On Farm Trials to be undertaken during 2012-13 (Target)

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	Assessment/ Refinement (WRITE A / R)	No. of trials*
1	2	3	4	5	6
Bean	Rainfed	Low productivity	Biofertilizer application on bean	R	3
French bean	Rainfed	Low productivity, poor quality seeds.	Application of organic sources for nutrient management in French bean	A	3
local Mushroom	Rainfed	Not processed	Value addition of local mushroom	A	3
Cabbage	Rainfed	Low price of existing variety	Performance of red cabbage under Phek district	A	3
Kiwi	Rainfed	Non availability of pure varieties	Performance of kiwi varieties under Phek district	A	3
Cabbage	Rainfed	High incidence of cut worm infestation after transplanting of seedlings	Effect of derisom (extract of *derris indica*)and neem oil for cutworm management in cabbge	A	5
Rabbit	Intensive	Low body weight	Performance of rabbit under concentrated pallet feeding	A	4
Poultry	Semi intensive	poor growth due to low quality local maize	Performance of poultry under QPM feeding	A	4
Paddy	Rainfed	Drudgery involved,farm machanization	Performance of manual rice transplanter	A	2
Paddy	Rainfed	Low yield	Performance of SRI	A	1

*** No. of farmers**

Technology assessed/refined	Year of release of technology	Whether the technology is latest one available? (Y/N)*	If NO, then reason for using the old technology for OFT (in detail)	Parameters of assessment
6				7
R	2002, State Agriculture Deptt. Nagaland	N	Not inintroduced	Growth and yield parameters
A	ICAR	N	Organic sources are available but not use in scientific method	Growth and yield parameters
A	AAU	Y		Drying of mushroom and preparation of products. Organoleptical test of products for shelf life
A	ICAR	y		growth and yield
A	ICAR	y		growth and yield
A	AAU	Y		% infestation, yield
A	AAU	Y		growth performance
A	DMR, ICAR	Y		growth performance
A	ICAR	N	Not introduced in the district	Field capacity of operation and growth parameters
A	ICAR	Y		Growth and yield attributes

- **= The technology should be less than 5 years old.**

Frontline Demonstrations

Details of FLDs to be implemented during 2012-13 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

Notes (to be strictly followed in formulation of FLDs):

FLDs are conducted only on proven technologies.

FLDs are conducted on previously assessed/refined technologies which are found suitable for the KVK district.

Only latest technologies have to be selected for FLDs (Preferably less than 5 years old).

Examples: Same as in case of OFTs

A. Cereal Crops

No.	Crop	Thematic area	Technology to be Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total

B. Oilseed crops

No.	Crop	Thematic area	Technology to be Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1.	Groundnut	Varietal trail	Growth and yield of groundnut Var JL 24	Kharif, 2012	y		1	10	10	20

C. Pulse Crops

No.	Crop	Thematic area	Technology to be Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1.	Soyabean	Varietal trail	Growth and yield of groundnut Var JS 335	Kharif,2012	y		1	10	10	20

D. Horticultural Crops

No.	Crop	Thematic area	Technology to be Demonstrated	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for FLD in the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1.	Potato	Nutrient management	Biofertilizer application on potato	February, 2013	Y	NA	1	3		3
2.	Cauliflower	Popularization of variety	cauliflower var. Snowball	Rabi 2012	Y	NA	0.5	5		5
3.	Cauliflower	Pest management	Bio-pesticide-Tobacco extract	Rabi 2012	Y	NA	0.5	3		3

Extension and Training activities proposed under FLD

No.	Activity	No. of activities	Tentative Date	Number of participants	Remarks
1.	Training cum demonstration, Field day	2	15/01/13 27/07/13	25	Performance of biofertilizer will shown to the farmers
2.	Training cum demonstration, Field day	2	20/9/12 15/1/13	20	5 farmers will be selected for FLD programme
3.	Training cum method demonstration, field day	2	5/11/12 2/12/12	15	Method for tobacco extract preparation will be demonstrated to the farmers.

(i) Farm Implements:

No.	Crop	Thematic area	Name of the implement	Season and year	Whether the technology assessed/refined by KVK earlier (Y/N)?	If not, how the technology was proven as suitable for the district?	Area (ha)	No. of farmers/demonstration		
							Proposed	SC/ST	Others	Total
1.	Paddy	Drudgery reduction	Mould board plough	Kharif 2012	N	machineries	1			1

(ii) Livestock Enterprises:

Enterprises	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		
Mithun	Local	50	200	Incidence Antibody titre				
Piggery	Local	10	50	Parasitic load				

** 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	Oyster	5	250	Yield/unit	Days to pin head formation, yield/unit			
Apiary								
Sericulture								
Vermi-compost								
Banana	Local	3	-		Organoleptical test forShelf life of products	duration of the products for shelf life		

PART – III

(TRAINING PROGRAMMES)

3. Details of proposed training programmes (Including the sponsored and FLD training programmes

Note: The proportion of SC and ST participants for all training programmes should match with their proportion in the population of the KVK district.

On Campus

Thematic area	Courses (No)	No. of participants									
		Others			SC			ST			Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management											
Nutrient Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management											
Seed production											
Nursery management											
Integrated Crop Management											
Fodder production											
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops											
Off-season vegetables											
Nursery raising	1							20	10	30	30
Exotic vegetables production	1							15	10	25	25

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

Production and Management technology											
Processing and value addition											
g) Medicinal and Aromatic Plants											
Nursery management											
Production and management technology											
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management											
Poultry Management											
Piggery Management	1								10	10	20
Rabbit Management											
Disease Management	1								10	10	20
Feed management											
Production of quality animal products											
V Home Science/Women empowerment											

Household food security by 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 Agricultural 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 Technologies											
VII Plant Protection											
Integrated Pest Management	2							30	20	50	50
Disease Management											
Bio-control of pests and diseases											

Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming											
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other 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 in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	**6**							**75**	**50**	**125**	**125**
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											

Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											

Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
GRAND TOTAL	**6**							**75**	**50**	**125**	**125**

Off Campus

Thematic area	Courses (No)	No. of participants									
		Others			SC			ST			Grand Total
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	2							20	30	50	50
Nutrient Management	1							10	15	25	25
Resource Conservation Technologies	1							15	10	25	25
Cropping Systems											
Crop Diversification	1							15	10	25	25
Integrated Farming systems	2							20	30	50	50
Water management											
Seed production	1							10	15	25	25
Nursery management											
Integrated Crop Management	1							10	15	25	25
Fodder production	1							10	15	25	25
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops	1							10	15	25	25
Off-season vegetables											
Nursery raising											
Exotic vegetables production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)	1							15	10	25	25
b) Fruits											
Training											

Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops	1							20	10	30	30
Management of young plants/orchards											
Rejuvenation of old orchards	1							10	10	20	20
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
e) Tuber crops											
Production and Management technology	1							10	15	25	25
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	1							15	10	25	25
Post harvest technology and											

value addition											
III Soil Health and Fertility Management											
Soil fertility management	1							10	15	25	25
Soil and Water Conservation	3							40	35	75	75
Integrated Nutrient Management	1							15	10	25	25
Production and use of organic inputs	1							10	15	25	25
Management of Problematic soils	1							10	15	25	25
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management											
Poultry Management	1							10	15	25	25
Piggery Management	1							10	15	25	25
Rabbit Management	1							10	15	25	25
Disease Management	1							10	15	25	25
Feed management	1							10	15	25	25
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening	1							10	15	25	25
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	2							20	30	50	50
Income generation activities for empowerment of rural Women	1							05	20	25	25
Location specific drudgery reduction technologies	1							10	15	25	25
Rural Crafts											
Women and child care											
VI Agricultural Engineering											
Installation and maintenance of micro irrigation systems	2							30	20	50	50
Use of Plastics in farming practices	2							30	20	50	50
Production of small tools and implements	2							30	20	50	50
Repair and maintenance of farm machinery and implements	1							15	10	25	25
Small scale processing and value addition											
Post Harvest Technologies	1							15	10	25	25
VII Plant Protection											
Integrated Pest Management	2							30	20	50	50
Disease Management	2							25	25	50	50
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											
Vermicompost production	1							10	15	25	25
Other Organic manures production	1							10	15	25	25
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 in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											

Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	**47**							**565**	**610**	**1175**	**1175**
(B) RURAL YOUTH											
Mushroom Production	2							40	10	50	50
Bee-keeping	1							20	5	25	25
Integrated farming											
Seed production	1							13	12	25	25
Production of organic inputs	1							10	15	25	25
Integrated Farming	1							15	10	25	25
Planting material production											
Vermiculture	2							30	20	50	50
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production	2							40	10	50	50
Repair and maintenance of farm machinery and implements	1							10	5	15	15
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Value addition	2							20	30	50	50
Production of quality animal products											
Dairying											
Sheep and goat rearing											

Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing	2							20	30	50	50
Post Harvest Technology	1							10	5	15	15
Tailoring and Stitching											
Rural Crafts	1							10	15	25	25
TOTAL	**17**							**238**	**167**	**405**	**405**
© Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management	1							10	10	20	20
Integrated Nutrient management											
Rejuvenation of old orchards	1							10	5	15	15
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm											

machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs	1							10	05	15	15
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
Total	**3**							**30**	**20**	**50**	**50**
GRAND TOTAL	**67**							**833**	**797**	**1630**	**1630**

Consolidated table (On + Off + Sponsored + Vocational)

Thematic area	**Courses (No)**	**No. of participants**									
		Others			**SC**			**ST**			**Grand Total**
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	2							20	30	50	50
Nutrient Management	1							10	15	25	25
Resource Conservation Technologies	1							15	10	25	25
Cropping Systems											
Crop Diversification	1							15	10	25	25
Integrated Farming systems	2							20	30	50	50
Water management											
Seed production	1							10	15	25	25

Nursery management											
Integrated Crop Management	1							10	15	25	25
Fodder production	1							10	15	25	25
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops	1							10	15	25	25
Off-season vegetables											
Nursery raising	1							20	10	30	30
Exotic vegetables production	1							15	10	25	25
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)	1							15	10	25	25
b) Fruits											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops	1							20	10	30	30
Management of young plants/orchards											
Rejuvenation of old orchards	1							10	10	20	20
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											

Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
e) Tuber crops											
Production and Management technology	1							10	15	25	25
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	1							15	10	25	25
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management	1							10	15	25	25
Soil and Water Conservation	3							40	35	75	75
Integrated Nutrient Management	1							15	10	25	25
Production and use of organic inputs	1							10	15	25	25
Management of Problematic soils	1							10	15	25	25
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											

Dairy Management											
Poultry Management	1							10	15	25	25
Piggery Management	2							20	25	45	45
Rabbit Management	1							10	15	25	25
Disease Management	2							20	25	45	45
Feed management	1							10	15	25	25
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening	1							10	15	25	25
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	2							20	30	50	50
Income generation activities for empowerment of rural Women	1							05	20	25	25
Location specific drudgery reduction technologies	1							10	15	25	25
Rural Crafts											
Women and child care											
VI Agricultural Engineering											
Installation and maintenance of micro irrigation systems	2							30	20	50	50
Use of Plastics in farming practices	2							30	20	50	50
Production of small tools and implements	2							30	20	50	50
Repair and maintenance of farm machinery and	1							15	10	25	25

implements											
Small scale processing and value addition											
Post Harvest Technologies	1							15	10	25	25
VII Plant Protection											
Integrated Pest Management	4							60	40	100	100
Disease Management	2							25	25	50	50
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											
Vermicompost production	1							10	15	25	25
Other Organic manures production	1							10	15	25	25
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 in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)											
TOTAL	**53**							**640**	**660**	**1300**	**1300**
(B) RURAL YOUTH											
Mushroom Production	2							40	10	50	50
Bee-keeping	1							20	5	25	25
Integrated farming											
Seed production	1							13	12	25	25

Production of organic inputs	1							10	15	25	25
Integrated Farming	1							15	10	25	25
Planting material production											
Vermiculture	2							30	20	50	50
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production	2							40	10	50	50
Repair and maintenance of farm machinery and implements	1							10	5	15	15
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Value addition	2							20	30	50	50
Production of quality animal products											
Dairying											
Sheep and goat rearing	1							10	10	20	20
Quail farming											
Piggery	4							10	15	25	25
Rabbit farming	4							15	10	25	25
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing	3							30	40	70	70
Post Harvest Technology	1							10	5	15	15

Tailoring and Stitching											
Rural Crafts	1							10	15	25	25
TOTAL	**27**							**283**	**212**	**495**	**495**
© Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management	1							10	10	20	20
Integrated Nutrient management											
Rejuvenation of old orchards	1							10	5	15	15
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs	1							10	05	15	15
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
Total	**3**							**30**	**20**	**50**	**50**
GRAND TOTAL	**83**							**953**	**892**	**1845**	**1845**

Vocational training programmes for Rural Youth :

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants		
				Male	Female	Total
Vegetables and fruits	Processing	Processing of fruits and vegetables	4	10	10	20
Goattery	Production and management of goat	Breeding and management of goat	4	10	10	20

*training title should specify the major technology /skill transferred

Sponsored Training Programmes

No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Piggery	popularization of breed	May	4	RY	4			10			15			25	25	NABARD
2.	Backyard rabbit farmin	popularization of breed	April	4	RY	4			15			10			25	25	NABARD
Total				8		8			25			25			50	50	

PART – IV

(EXTENSION ACTIVITES AND PRODUCTION OF SEED AND PLANTING MATERIALS)

4. Proposed Extension Activities for the year 2012-13 (including activities under FLD programmes)

Nature of Extension Activity	No. of activities	Farmers (No.)			Extension Officials (No.)			Rural Youth (No.)			Total (No.)		
		M	F	T	M	F	T	M	F	T	M	F	T
Field Day	6	65	50	115							65	50	115
Kisan Mela	1	50	60	110	10	5	15	60	40	100	120	105	225
Kisan Gosthi													
Exhibition	1	50	50	100							50	50	100
Film Show	7	100	40	140							100	40	140
Method Demonstrations	5	35	40	75				40	10	50	75	50	75
Farmers Seminar													
Workshop													
Group meetings	2	20	10	30				10	10	20	30	20	50
Lectures delivered as resource persons	5												
Newspaper coverage	8												
Radio talks	5												
TV talks													
Popular articles	4												
Extension Literature	7												
Advisory Services	100												
Scientific visit to farmers field	150												
Farmers visit to KVK	60												
Diagnostic visits	45												
Exposure visits	3												
Ex-trainees Sammelan													
Soil health Camp													
Animal Health Camp	2												
Agri mobile clinic													

Soil test campaigns													
Farm Science Club Conveners meet	1	20	10	30							20	10	30
Self Help Group Conveners meetings													
Mahila Mandals Conveners meetings													
Celebration of important days (specify)	3	140	100	240							140	100	240
Any Other (Specify)													
Total	415	480	360	840	10	5	15	110	60	170	600	355	1025

M=Male	**F=Female**	**T=Total**

Proposed production and supply of Technological products

Seed materials:

Sl. No.	**Crop**	**Variety**	**Proposed Quantity (qtl.)**	**Value (Rs.)**	**To be provided to (No. of Farmers)**
Cereals					
Oilseeds					
Pulses					
Vegetables					

Flower Crops					
Others (Specify)					

Planting materials:

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits	Kiwi	Hayward, Allison, Monty	500	37500	10
Spices					
Vegetables	Cauliflower	Snowball	2000	1000	5
	Cabbage	Red cabbage	1000	500	3
Forest Species					
Ornamental Crops					

Plantation Crops					
Others (specify)					
	Mushroom	oyster	250 units	5000	5

Bioproducts :

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			No	(kg)		
Bioagents						
1						
2						
3						
4						
Biofertilizers						
1						
2						
3						
4						
Bio Pesticides						
1						
2						
3						
4						

Livestock :

Sl. No.	Type	Breed	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			Nos	Kgs		
Cattle						
Sheep and Goat						
Poultry						
Fisheries						
Others (Specify)						
	Rabbits	Newszealand white	80	200	20000	30

Literature proposed to be developed/ published

Item	Title	Number
Research papers	Feeding management in rabbit Plant parts used as medicine by Chakhesang tribe of Phek district.	1 1
Technical reports		
News letters	"YIRHI DJU" Farming news	2
Technical bulletins	-	
Popular articles	Kiwi: A potential fruit for North east Bio pesticides for insect pest and disease management in crops	1
Extension literature	1. Micro irrigation system 2. Production technology of radish and carrot 3. Pest management in Banana 4. Feeding management of rabbit 5. Management of goatery 6. Processing of wild apple 7. Management of problematic soil.	3
Others (Pl. specify)		
Total		**8**

Details of Electronic Media proposed

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

Field activities proposed

i. Number of villages to be adopted : 3

ii. No. of farm families to be selected :500

iii. No. of surveys/PRA to be conducted :3

Proposed activities of Soil and Water Testing Laboratory:

Status of establishment of Lab :

1. Year of establishment :
2. Details of samples to be analyzed :

Details	No. of Samples	No. of Farmers	No. of Villages
Soil Samples	100	25	1
Water Samples			
Total	100	25	1

PART – V

(LINKAGES WITH OUTSIDE ORGANISATIONS)

5. Proposed Linkages

Functional linkage with different organizations

Name of organization	Nature of linkage
1. NABARD	Financial
2. SAU	Technical
3. NGO	Technology transfer
4. Bank	Technical
5.District Line departments	Technical

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

List special programmes to be undertaken by the KVK, financed by State Govt./Other Agencies (if any):

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

Details of proposed linkage with ATMA

a) Is ATMA implemented in your district (Yes/No): yes

S. No.	Programme	Nature of linkage proposed
1	Training and demonstration	Technical

Give details of programmes implemented under National Horticultural Mission (if any) : NA

S. No.	Programme	Nature of linkage proposed

Nature of linkage with National Fisheries Development Board (if any): NA

S. No.	Programme	Nature of linkage proposed

PART – VI

(PERFORMANCE OF INFRASTRUCTURE)

6. Performance of infrastructure in KVK

Proposed utilization of demonstration units (other than instructional farm) :

No.	Demo Unit	Year of estt.	Area	Proposed production			Amount (Rs.)	
				Variety	Produce	Qty.	Cost of inputs	Gross income expected
1	Rabbitry	2009	40 sqm	News Zealand white, Soviet chincilla	Meat	20	3000	10000
2.	Vermicomposting	2009	10sqm	*Eisenia foetida*	Compost	100	200	1000

Proposed utilization of instructional farm (Crops) including seed production:

Name Of the crop	Expected Date of sowing	Expected Date of harvest	Area (ha)	Proposed production			Amount (Rs.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals								
Pulses								
Pea	Sept-Oct	Feb-March	0.1	Arkel	Seed	1.0	1000	2000
Oilseeds								
Fibers								
Spices								
Plantation								

crops								
Floriculture								
Fruits								
Orange	March-April	March-April 2013	-	Khasi mandarin	Planting material	200Nos	500	2000
Vegetables								
Tomato	March-April	August-Sept	-	Rohini	Fruits	20kg	200	600
Others (Specify)								
Ficus hookerii	Feb-March	April –May 2013	-	*Ficus hookerii*	Planting material	2000 nos	7000	20000

Proposed production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) :

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

Performance of instructional farm (livestock and fisheries production) :

No	Name of the animal / bird / aquatics	Details of expected production		
		Breed	Type of Produce	Qty expected
1	Rabbit	New Zealand Rabbit	Meat	50 Kg
2	Fish	Common crap	Meat	25 Kg

PART – VII

(SUMMARY)

7. Summary

Targets for 2012-13 for KVK.Phek

On Farm Trials

Thematic areas	Cereals	Pulses	Vegetables	Fruits	Others	Total
Nutrient management			2			2
Value addition			1			1
Varietal evaluation			1			1
Varietal evaluation				1		1
Insect pest management			1			1
Feeding management in rabbit					1	1
Feeding management in poultry					1	1
Drudgery reduction	1					1
Production technology	1					1
Grand total	**2**		**5**	**1**	**2**	**10**

FLDs on oilseed and pulse crops.

Name of KVK	Oilseeds		Pulses	
	Area (ha)	No. of farmers	Area (ha)	No. of farmers
	1	20	1	20
Total				
	1	**20**	**1**	**20**

Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
	Courses	Participants	Courses	Participants	Courses	Participants
Crop Production	10	250	2	50		
Horticulture	7	180	2	50	1	15
Plant Protection	6	150	-	-	1	20
Home Science	5	125	6	145	1	15
Animal Science	7	135	9	70		
Soil Science	8	200	3	75		
Agril Engineering	10	250	2	30		
Bee Keeping			1	25		
Mushroom Cultivation			2	50		
Agro forestry						
Others i) Fishery						
ii) Agri.Extension						
Total	**53**	**1290**	**27**	**495**	**3**	**50**

Extension Activities

Activity	Nos
Field days	**6**
Kisan Mela	**1**
Exhibition	**1**
Exposure visit	**3**
Extension literature	**7**
Scientist farmers' interaction	**5**

Ex-trainees meet	**-**
Advisory services	**100**
Newspaper coverage	**8**
TV show	**-**
Radio talk	**5**
Others (Kisan Gosthi)	**-**
Total	**136**

Seed Production:

KVK	Quantity (qtl)			
	Cereals	**Oilseeds**	**Pulses**	**Vegetables**
				1.0
Total				**1.0**

Planting Materials :

KVK	Quantity (nos)			
	Fruits	**Vegetable Seedlings**	**Tree Species**	**Ornamental Plants**
	200	3000	2000	-
Total	**200**	**3000**	**2000**	**-**

Signature,
Programme coordinator,

KVK, Phek

(Signature not needed in case of soft copy)

Notes:

The modalities for submission are available in the website www.icarzcu3.gov.in. The same may be strictly followed.