PROFORMA FOR ANNUAL REPORT OF KVKS, 2014-15

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

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

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

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

1.5. Staff Position (As on 31st March, 2015)

SI. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent/Temp orary	Category (SC/ST/OBC/ Others)
1	Programme Coordinator				12,000-375-16,500 (Pre-revised)			Temporary	
2	Subject Matter Specialist	N.Tomba Singh	SMS (Agronomy)	Agronomy	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
3	Subject Matter Specialist	Dr.M.Thoithoi Singh	i/c,Programme Coordinator SMS (Plant protection)	Plant protection	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
4	Subject Matter Specialist	S.Sumangal Singh	SMS (Plant Breeding & Genetics)	PBG	15,600-39100-P.B-3	16,880	25-7-07	-do-	-do-
5	Subject Matter Specialist	Y.Bedajit Singh	SMS (Fisheries)	Fisheries	15,600-39100-P.B-3	16,880	12-4-07	-do-	-do-
6	Subject Matter Specialist	Dr.S.Zeshmarani	SMS (Animal Sc.)	Animal Science	15,600-39100-P.B-3	16,880	12-4-07	-do-	-do-
7	Subject Matter Specialist	Kh.Premlata Devi	SMS (Horticulture)	Horticulture	15,600-39100-P.B-3	16,880	12-4-07	-do-	SC
8	Programme Assistant	R.K.Lembisana Devi	Prog.Asst.(Home Sc.)	Home Science	9300-34,800-P.B-2	10130	12-4-07	-do-	Gen
9	Computer Programmer	L.Babita Devi	Prog.Asst.(Computer)	Computer	9300-34,800-P.B-2	10130	12-4-07	-do-	-do-

10	Farm Manager	W.Jiten Singh	Farm Manager	9300-34,800-P.B-2	10130	12-4-07	-do-	OBC
11	Accountant / Superintendent	NG.Brojendro Singh	Office Suptd. cum Acct./Assistant	9300-34,800-P.B-2	11010	01-3-07	-do-	Gen
12	Stenographer	M.Geeta Devi	Jr.Steno cum Computer operator	5200-20,200-P.B-1	8120	12-4-07	-do-	-do-
13	Driver	M.Hemanta Singh	Driver cum Mechanic	5200-20,200-P.B-1	6310	12-4-07	-do	-do-
14	Driver	Th.Tiken Singh	-do-	5200-20,200-P.B-1	6310	03-5-07	-do	-do-
15	Supporting staff	S.Dhabali Singh	Peon cum Chowkidar	4440-7440-1S	4800	12-4-07	-do-	-do-
16	Supporting staff	Mangminthang Zou	-do-	4440-7440-1S	4800	12-4-07	-do-	ST

- 1.6. a. Total land with KVK (in ha):10 ha
 - b. Total cultivable land with KVK (in ha):
 - c. Total cultivated land (in ha): 9.945

S. No.	Item	Area (ha)
1	Under Buildings(Administrative building+ Staff Quarters)	0.055
2.	Under Demonstration Units	0.016
3.	Under Crops(Cereals, pulses, oilseeds etc.)	5.4
4.	Orchard/Agro-forestry	4.529

5.	Others (specify)	

1.7. Infrastructural Development:

A) Buildings

		Source			Stage			
S.	Name of	fundina		Complete			Incomple	ete
No.	building		Completion	Plinth area	Expenditure	Starting	Plinth area	Status of
			Date	(Sq.m)	(Rs.)	Date	(Sq.m)	construction
1.	Administrative Building	ICAR	Within 24 months.	550(Ground floor)	76,33,000	Dec,2007	550(1 ^s ^t floor)	Completed
2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (5)	-do-	31-3-12		67.90	2-1-12		Completed
4.	Demonstration Units (2)	-do-	31-3-12		20.07	2-1-12		Completed
5	Fencing	-do-	31-3-12	215m	19.75	2-1-12		Completed

6	Rain Water				
	harvesting				
	system				
L					
1	Ihreshing				
	floor				
8	Farm godown				

B) Vehicles

Type of vehicle	Regd. No.	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero, Diesel		2006-07	5,08,657	(62344)	Bad
јеер					
Tractor,		2006-07	4,35,543	(1116)	Bad
complete set					

C) Equipments & AV aids

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

1.8. A). Details SAC meeting* conducted in the year 2014-15

SI. No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken on last SAC recommendation
1.	11-12-14	O.Ibomcha Singh, Rice Breeder,Wangbal	In agronomic part for the crop arhar Dr. A. K. Sinha suggested to put the parameters observed	It was included in the final report.
2.	11-12-14	Th.Ghyaneshwor Singh, DAO,Thoubal	Dr. A.K. Sinha suggested to find out the problems of the existing varieties such as yield, pest, duration etc. Then go for solving the problems. I	It was included in the final report.
3	11-12-14	Dr.A.Halim Sheik, Joint Director/DVO,Tbl	In plant protection Dr. N. Prakash suggested that in IPM degree of	It was included in the final report.

			infestation of the field before and after the trial should be indicated.	
4	11-12-14	Dr.A K Singha, PS,ZPD-III	Regarding home science, Dr. A.K. Sinha enquired whether OFT on solar cooker could be brought to the level of demonstration with care so that it should not be failed.	It was confirmed that it could be taken up.
5	11-12-14	Dr.N.Prakash, JD,ICAR,Lamphel	Regarding vaccination schedule joint director Veterinary , Dr. A. Helim Sheik commented that only one time is required as broiler is to be consumed within seven weeks.	In response to this SMS animal science replied that F1 vaccin should be given on day5 and booster at day 21. There should always be a booster dose.
6	11-12-14	S.Gunija Devi, Director of Agriculture,Manipur/ PC,Thoubal.	Regarding PBG, Dr. A.K. Sinha said that drought and flood are not a problem.	The problem has been change to scarcity of late sown/contingent rice variety.
7	11-12-14	E.Subhana Devi, Dist.fishery,Thoubal	Regarding Horticulture it was suggested by Dr. N. Prakash to increase the number of farmers/demonstration.	No. of demonstration was increased
8	11-12-14	Kh.Kameshwor, Singh, E.O(Agri)	In fisheries, Dr. N Prakash suggested that as the FLD is on production of	It has been worked out.

			seed, number of fingerling/ seedling should be worked out.	
9	11-12-14	Th.Tomba Singh, EO (Agri)	Regarding home science, Dr. N. Prakashsuggested to form self help groups and go for cheap materials and not for difficult technologies.	Self help groups have been formed and technologies are not difficult.
10	11-12-14	M.Kumar Singh, Farmer representative	It was suggested by Dr. N. Prakash to increase the number of training not to go for one day but to increase the number to 3-5 days. He further suggested to go for sponsored, estension personnel and vocational training. He further suggested to increase mobile service and improved the publication.	These have been implemented.
11	11-12-14	M.Manglembi Devi, Farmer representative	Soil testing should be taken up	It is under process.
12	11-12-14	S.Memnaobi Devi, Farmer representative	Seed production in participatory mode should also be included in the report.	It was included in the final report.

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

2. DETAILS OF DISTRICT

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

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

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

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

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Fine, Umbric	Deep, excessively drained fine soils moderately steep side slopes of hills having	3500
	Dystrochrepts	clayey surface with moderate erosion, associated with deep well drained fine soils	

	Fine, Typic Haplo humults.	on moderately sloping side slopes of hills with moderate erosion and slight stoniness.	
2.	Fine Typic, Haplo humults Fine, Loamy Umbric Dystrochrepts	Deep, well drained, fine soils on moderately sloping side slopes of hills having loamy surface with moderate erosion, associated with moderately deep, excessively drained fine loamy soils on moderately steep side slopes of hills with moderate erosion and slight stoniness.	14,803.2
3.	Fine, Typic Haplaquepts Fine Ruptic Ultic Dystrochrepts	Deep, poorly drained, fine soils on nearly level valleys having clayey surface with very slight erosion, ground water table between one to two meters of the surface and slight flooding, associated with deep well drained fine soils on gently sloping side slopes of hills with slight erosion.	6251
4.	Very fine, molic haplaquepts	Deep ,very poorly drained, very find soils on nearly valleys having clayey surface with very slight erosion ground water level between one meter of the surface and severe flooding associated with deep, poorly drained fine soils on very gently sloping valleys with slight erosion ground water table between one to two meters of the surface and slight flooding.	22,373.8
5.	Fine, Typic Hapludalfs, Fine Silty Tupic Haplumbrepts	Deep, somewhat excessively drained, fine soils on sloping side slopes of hillocks having clayey surface with moderate to severe erosion associated with well drained fine silty soils on moderately sloping side slopes of hillocks with moderate erosion.	4572

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1.	Paddy			
	i) Pre kharif	5338	1,07,293.3	20.09
	ii) Kharif	25,000	7,,25,000	29.09
	iii) Improved	10,550	2,21,550	21.00
	iv) Local paddy	1000	14,000	14.00
2.	Maize	250	5500	22.00
3.	Kharif pulses	150	1125	7.50
4.	Kharif oilseeds	120	912	7.60

5.	Sugarcane	830	12,45,000	1,500,00
6.	Rabi pulses	2125	23,377	11.00
7.	Rabi oilseeds	2050	34,850	17.00
8.	Potato	825	80,025	97.00
9.	Cole crops	725	87,000	120.00
10	Chilli	350	2,800	8.00
11.	Pineapple	2,000	16,00,000	800.00
12.	Wheat	42	798	19.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ⁰ C		Relative Humidity (%)
		Maximum	Minimum	
April,14	29.7	35	12	77.5
May,14	177.0	34	16	76
June,14	180.6	35	21	74
July,114	116.4	34	19	76
August,14	152.6	33	21	73.5
September,14	55.8	33	19	84
October,14	84.2	33	10	74
November,14	Nil	24	8	78
December,14	Nil	25	5	74
January,15	77.0	25	5	71.5
February,15	16	25	3	65.5

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

Category	Population	Production	Productivity
Cattle			
Crossbred	14166	47584lit/d	18lit/d

Indigenous	69784	37832lit/d	4lit/d
Buffalo	6079	2961lit/d	3lit/d
Sheep			
Crossbred			
Indigenous	318	2845kg	11kg/sheep
Goats	2540	18,650kg	12kg/goat
Pigs			
Crossbred	35184	925tonnes	75kg/pig
Indigenous	3760	57.8tonnes	52kg/pig
Rabbits			
Poultry			
Hens	62383	26,49,840eggs/year	120eggs/year/hen
Desi	122865	40,36,340eggs/year	220eggs/year
Improved	94500	47,12,780eggs/year	130eggs/year
Ducks	94371	12,220kg	20kg/turkey
Turkey and others	611		

Category	Area (ha)	Production (t)	Productivity

Fish	504	3.84	2000 kg/ha
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2014-15)

SI.No.	Taluk/ Eleka	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1		Thoubal	Yairipok	Paddy	Lack of suitablecultivation practice,fertilizer use and pest management	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
2				Goat farming	No vaccination,castration and improper feeding and housing	Goat farming with less input and vaccination

3			Fishery	Lack of knowledge of scientific fish farming	Composite fish culture	
4		Maibam	Paddy	Varietal admixture, improper cultivation methods	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM	
5			Horticulture (Cole crops)	Lack of proper variety and pest management	Winter vegetables like cagbbage cauliflower, Broccoli and IPM	
6		Charangpat	Paddy	Varietal admixture, improper cultivation methods	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM	
7			Horticulture (Green chilli)	Lack of knowledge of summer vegetable varieties and pest management	Summer vegetable, Corm Cultivation and IPM	
8			Pig farming	No, vaccination, improper feeding and breed	Vaccination, Castration and Housing	
9		Uyan	Paddy	Varietal Admixture, improper cultivation technique and pest management	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM	
10			Oilseeds & Pulses	Limited area under oilseed and pulses	Pulses and oilseed cultivation	
11			Poultry Farming	Lack of scientific knowledge of poultry farming	Broiler farming, vaccination	

12			Piggery	No vaccination, castration and improper housing	Pig rearing, vaccination
13		Uchiwa	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
14			Fishery	Lack of knowledge for Scientific fish farming.	Scientific fish farming.
15			Pig farming	Lack of knowledge for Integrated fish cum pig farming.	Integrated fish cum pig farming
16		Sangai yumpham	Paddy	Injudicious use of fertilizers, pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
17			Poultry farming	Problems in feeding readymade feeds.	Feeding management with locally available feeds.

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

24	Kakching	Thongjao	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. Of paddy, varietal trails.
25			Fishery	Lack of Knowledge of Disease management	Fish Health management.
26			Pig farming	Reduce body weight, preweaning mortality.	Piggery management.
27		Umathel	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
28			Oilseeds & pulses	Lack of knowledge of oilseed & pulses cultivation	Scientific pulse & oilseed cultivation
29		Waikhong	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
30			Pig farming	No vaccination & castration	Vaccination & castration

31		Serou	Maize	Lack of suitable maize varieties & its cultivation technique	Proper composite & hybrid varieties,intercropping of maize with pulses & oilseeds
32		Wangoo	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
33			Fishery	Lack of scientific fish culture	Composite fish culture
34		Wabagai	Paddy	Lack of suitable cultivation technique	ICM,SRI,hybrid rice cultivation
35			Horticulture (Chilli, cole crops)	Lack of relay cropping & pest management	Relay cropping with beans and cucurbits,IPM
36			Fishery	Lack of scientific fish culture	Composite fish culture,integrated fish farming
37			Potato	Improper variety & lack of nutrient & pest management	Kufri varieties,IPM,INM
38			Tomato	Improper variety & lack of nutrient & pest management	IPM,INM,Hybrid varieties

39		Sekmaijin	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
40			Fish	Lack of scientific fish culture	Composite fish culture,integrated fish farming
41		Tokpaching	Paddy	Lack of deep water rice varieties,nutrient & pest management	Deep water rice varieties,nutrient & pest management
42			Horticulture	Lack of knowledge of summer veg. crops & its cultivation techniques in upland areas.	Crops of summer season,growing of crops across the slopes & proper irrigation techniques

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<u>3. TECHNICAL ACHIEVEMENTS</u>

3. A. Details of target and achievements of mandatory activities by KVK during 2014-15

Discipline	OF1	C(Technology Asses	ssment and R	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
Agronomy	2	1	10	3	5	4	25	20

Horticulture	2	2	10	10	3	3	15	15
Plant protection	2	2	10	10	2	2	10	10
Fisheries	2	2	9	9	1	1	5	5
Homescience	1	1	5	5	2	2	10	10
Animal Science	2	2	10	10	3	3	30	30
PBG	2	2	14	14	1	1	10	10
Total	13	12	68	61	17	16	105	100

Note: Target must be as set during last Action Plan Workshop

Training (inc	Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit) 3					Extension Activities 4			
1	Number of Co	urses	Numb	er of Participants	Num	ber of activities	Number of participants		
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
Farmers	40	35	200						
Rural youth									
Extn.									
Functionaries									
Total									

Seed Produc	tion (ton.)	Planting material (Nos. in lakh)		
5		6		
Target	Achievement	Target	Achievement	
10.5	10.3			

Note: Target must be as set during last Action Plan Workshop

3. B. Abstract of interventions undertaken during 2014-15

			Identified problems 1			Interve	entions		
SI. No	Thrust area	Crop/ Enterprise		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	IWM	Arhar	Heavy weed infestation at initial stage leads to reduce growth & yield.	IWM in arhar					
2	Varietal evaluation of onion	Onion	Lack of improved variety	Varietal performance of onion					
3	Varietal evaluation of garlic	Garlic	Lack of improved variety	Varietal performance of garlic					

4	Insect pest management of ladies finger Insect pest management of tomato	Ladies finger Tomato	Aphid, Jassid, white flies, Hispa armigera, S.litura White flies,mites	Insect pest Insect pest mgt. of tomato			
6	Seed production of carp	Barb	Scarcity of carp seeds	Seed production of barp			Seed
7	Seed production of carp	Grass carp + paddy	Scarcity of carp seeds	Seed production of Grass carp in paddy field			Seed
8	Renewable energy	Solar cooker	Lack of use of renewable energy saving devices	Introduction of box type solar cooker			
9	Feeding of probiotic in broiler	Broiler	Mortality% is high	Feeding of probiotic in broiler			
10	Feeding of feed supplement with vitamins & minerals.	Geese	Unawareness of feed supplements, vitamins & minerals	Feeding of food supplements, vitamins & minerals in geese.			

11	Varietal evaluation of RCM-13	Rice	Very less no. short duration of rice	Evaluation of RCM-13			
12	Contingent	Rice	Frequent natural calamity like draught & flood.	Evaluation of rice under late sown condition as contingent crop.			
13	Planting of spring maize for green cob production	Maize	Maize crop is not yet popularize in the district		Planting of spring maize		Seed
14	Seed production of rice using ICM	Rice	Lack of adequate quantity of good quality rice seed		Seed production of rice through ICM		Seed
15	INM in cauliflower	Cauliflower	INM not yet practice		INM in cauliflower		Biofertilizer
16	Nutrient mgt. in tomato using vermicompost	Tomato	Use of chemical fertilizer only deteriorates soil fertility & productivity.		Use of vermicompost in tomato cultivation		Vermicompost

17	Varietal demonstration of watermelon variety NS- 295	Watermelon	Lack of proper cultivation method & variety	Scientific cultivation of watermelon		Seed
18	Mgt. of hopper	Rice	Lack of suitable hopper mgt. insecticide	Hopper mgt. with Ethiprol 40% + Imidachlorophid 40%		Insecticide
19	Mgt. of fruit fly	Bitter gourd	Lack of suitable fruit fly mgt. insecticide	Fruit fly mgt.with chlorantranipiole		Insecticide
20	Trap crop for onion thrips	Onion	Lack of suitable biopesticide	Maize as trap crop for onion thrips		Maize & onion seed
21	Seed production of carps	Carps	Scarcity of carp seeds	Seed production of carps		Fingerlings
22	Organic dye	-	Little use of organic dye	Introduction of organic dye		-
23	Utilization of waste material	-	Waste material are unused	Fibre extracts from pseudostem of banana plant		-

24	Feeding of	Goat	Farmers	Effect of		Vitamins &
	vitamins &		were	vitamins &		minerals
	minerals		unaware of	minerals on pre		
			feeding	unweaned goats		
			vitamin and	of Manipur		
			mineral in the			
			preweaned			
			goats			
25	Semi	Poultry	Farmers	Comparative		Chicks
	intensive		difficult to	study on		
	farming of		choose the	production		
	poultry		right variety	potential of		
	(Giriraja &		to increase	Giriraja &		
	vanaraja)		their incom	vanaraja under		
				semi intensive		
				system.		
26	IFS	Duck-Fish	Practice of	Integrated duck		Ducks
			monoculture	cum fish farming		

3.1 Achievements on technologies assessed and refined during 2014-15

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	2
Seed / Plant production	2									2

						-
Weed Management		1				1
Integrated Crop Management						
Integrated Nutrient Management						
Integrated Farming System						
Mushroom cultivation						
Drudgery reduction						
Farm machineries						
Value addition						
Integrated Pest Management			2			2
Integrated Disease Management						
Resource conservation technology						
Small Scale income generating enterprises						

TOTAL	2	1	2		2	6

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management		2						2
Disease of Management								
Value Addition								
Production and Management							2	2
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL		2					2	4

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

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				

A.5. Results of On Farm Testing

Sl. No.	Title of OFT	Problem Diagnosed	Name of Technology Assessed	Crop/Croppi ng system/ Enterprise	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)
1	IWM in arhar	Lost of Hw is very high	IWM in arhar using Pendimethalin & HW	IWM	3	No.of pods/plt- 283 No. of seeds/plt -4 Plt. Ht-6ft Yield-12.5q/ha			1.94:1

2	Varietal perform ance of onion	Lack of improved variety	Varietal trail of Bhim Shakti	Onion	5	Ongoing			
3	Varietal perform ance of garlic	Lack of improved variety	Varietal trail of G-313	Garlic	5	Ongoing			
4	Insect pest mgt.of ladies finger	Ploblem of aphid, Jassids, white flies, H armigera & S.litura	Insect pest mgt. with Cyantranilipro le @75g.ai/ha	Ladies finger	5	Yield-8.1t/ha	-	-	3.49
5	Mgt. of white flies, mites in tomato	White flies, mites	Mgt. of white flies, mites using spiromesifen 240SC	Tomato	5	White flies/plt- 4.37 Mites-3.68 Farmer practice: White flies- 15.23 Mites-18.75			5.62 Farmer practice: 4.91

6	Seed	Scarcity of	Seed	Carp	5	Survivility -46%			6.57
	producti	carp seeds	production of						
	on of		carp			Growth:			
	carp					length-92mm in			
						3mth			
						Weight-27g in			
						3mths			
	0				-				
/	Seed	Scarcity of	Seed	Grass carp	4	Yield of rice-			
	on of	carp seeds	production of			3.57ton/ha			2.08
	Grass		carp			Survivility of fish			
	carp in					seed-30-35%			
	paddy								
	field					Growth"			
						Length-245cm			
						in Smths			
						Weight-162g			
8	Feeding	Mortality %	Feeding in	Poultry	5	Weekly body	Mortality %	Can go for	
	of	is high	probiotic in			wt(g)-0(44),	is very much	FLD	
	problotic		broiler @			1(116.4),	reduced and		
	poultry		2g/lit drinking			2(324.53),	profit		
	(broiler)					3(651.33),	margin is		
						4(1076.66),	increase		
						5(1509.33),			1 71.1
						6(2120),			1./1:1
						7(2450),8(2750)			

9	Perform ance of geese by feeding locally availabl e feed supplem ented with vitamins & minerals	Unawarenes s of feeding of vitamins & minerals	Performance of geese by feeding locally available feed supplemented with vitamins & minerals	Geese (Poultry)	5	Weekly mortality-1(1), 2(0), 3(0), 4(0), 5(0), 6(0), 7(0), 8(0) Weekly feedf intake (g/week/bird)- 1(68), 2(221), 3(426), 4(643), 5(836),6(920), 7(980), 8(1080) Production/bird - 2.75kg at 8 weeks Body wt.(g)at: 4weeks-800 8wks-1800 12wks-2700 16wks-3500 20wks-4000 24wks-4800	Performanc e of geese is increase by feeding vitamin and mineral	Can adopt for FLD	2.8:1
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						Egg wt 120±0.012g Dressing%-72 Production- 4.8kg at 20wks.		
10	Evaluati on of rice variety RCM-13	Very less no. of short duration rice variety	Evaluation of rice variety RCM-13	Rice	10	Technology: Plt.ht-102cm No.of grains/Panicle- 160 Duration- 110days Yield-46q/ha Farmer practice: Plt.ht-115cm No.of grains/Panicle- 130 Duration- 120days		1.9:1

						Yield-38q/ha		
11	Evaluati on of rice under late sown conditio n as continge nt crop	Frequent natural calamity like draught & flood	Late sown rice variety	Rice	4	Plt.ht-95cm No.of grains/Panicle- 140 Duration- 121days Farmer practice: Var-IR-64 Plt.ht-Nil No.of grains/Panicle- Nil Duration-Nil		1.45:1

*Field crops – ton/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 2014-15

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

List of technologies demonstrated during previous year and popularized during 2014-15 and recommended for large scale adoption in the district

SI. No	Crop/ Enterprise	Technology demonstrated	Horizonta	Horizontal spread of technology				
			No. of villages	No. of farmers	Area in ha			
1	Maize	Spring maize cultivation	5	5	1.25			
2	Rice	Seed production of rice through ICM	5	5	1.25			
3	Cauliflower	INM in cauliflower using biofertilizers	5	5	-			
4	Tomato	Nutrient mgt.in tomato using vermicompost	5	5	-			
5	Watermelon	Scientific cu;ltivation of watermelon	5	5	0.75			
6	Rice	Hopper mgt.with Ethiprol + Imidaclorprid	5	5	1.25			
7	Bitter gourd	Mgt. of fruit fly with chlorantriniprole	5	5	1.00			
8	Onion	Maize as trap crop for onion thrips	5	5	8.50			
9	Carp	Seed production of carps	5	5	0.25			
10	Goat	Effect of vitamins & minerals in preweaned goat	10	6	-			
11	Poultry	Comparative study of growth & production of giriraja & vanaraja under semi intensive system of farming.	10	6	-			
12	Duck+Fish	Integrated farming system of duck+fish	10	7	-			
----	-----------	--	----	---	------			
13	Rice	Seed production of rice through SRI var. Tampha phou	10	8	2.5			
14	Mustard	Cultivation of zero tillage mustard	5	5	1.25			
15	Pea	Popularization of pulse crop in rice fallows	4	4	1.00			
16	Lentil	Popularization of pulse crop in rice fallows	5	5	1.00			

* 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**.)

G					A	(1)	No. of	farmers/		Reasons for	Farming situation (Rainfed/	S o (K	tatu f so (g/ha	s il a)
51. No	Crop	Thematic area	Technology Demonstrated	Season and year	Area	(na)	den	nonstrati	on	achievem ent	Irrigated, Soil type, altitude, etc)	Ν	Ρ	ĸ
					Propos	Actua	SC/S	Other	Tot					
					ed	1	T	S	al					
1.	Rice	Seed production	Seed production of rice through ICM	Kharif,20 14	1.25	1.2 5	-	5	5	NA	Irrigat ed clay loam			

2.	Maize	Cereal production	Spring maize	Spring 2014	1.25	1.2 5	-	5	5	NA	Rainfe d clay loam		
3	Cauliflow er	INM	INM in cauliflower using bio fertilizer	Rabi,201 4	0.5	0.5	-	5	5	NA	Irrigat ed		
4	Tomato	INM	INM in tomato using vermicompo st	Rabi,201 4	0.5	0.5	-	5	5	NA	Irrigat ed		
5	Watermel on	Varietal demonstrat ion	Cultivation of water melon variety NS- 295	Rabi,201 4	0.75	0.7 5	-	5	5	NA	Irrigat ed		
6	Rice	Insect pest mgt.	Hopper mgt.with Ethiprol 40%+ Imidaclorprid 40%	Kharif,20 14	1.25	1.2 5	1	4	5	NA	Rainfe d clay loam		
7	Bitter gourd	Insect pest mgt.	Mgt. of fruit fly with chlorantrinipr ole	Kharif,20 14	0.75	0.7 5	1	4	5	NA	Irrigat ed clay Ioam		
8	Onion	Insect pest mgt.	Mgt. of thrips using maize as trap crop	Kharif,20 14	0.50	0.5 0	1	4	5	NA	Irrigat ed clay Ioam		

9	Rice	Seed	Seed	Kharif,20	2.5	2.5	2	8	1	NA	Irrigat		
		production	production of	14					0		ed		
			rice through								clay		1
			SRI var.								loam		1
			Tampha										
			phou										

c. Performance of FLD on Crops

		Thematic	Area	Avg.	yield	%	Additio	nal data	Dat	a on	Ec	on. of dem	o. (Rs./ha.)	E	con. of che	ck (Rs./Ha	ı.)
		area	(ha.)	(Q/	ha.)	increas	on dem	o. yield	paramet	ers other								
						e in	(Q/	ha.)	than yie	eld, e.g.,								
SI.	Crop			Demo	Check	Avg.	Н*	L*	dise	ease	GC**	CR**	NR**	BC	CC	CR	NR	BCR
No.				Demo.	Cheek	yielu		1	inciden	ce, pest	00			R**		ON		Den
									incidei	nce etc.								
				-					Domo	Local								
									Demo	Local								
		Cereal	1.25	20.9	20.40	2.55	21.40	20.00	No. of		23,000	31,380	8380	1.36	23500	30600	7100	1.3
		productio							grain/c									
	Maize	n							ob-405	402								
1									Plant	175								
									ht-	1/5								
									175cm									

2	Rice	Seed Productio n	1.25	73.92	57.60	28.33	76.80	69.64	Pl.pop- 58000 No. of grain /pannic le No. of tiller/hi ll	135 6	55000	147840	92840	2.68	60000	92160	32160	1.54
3	Mustar d	Continuin g																
4	Pea	-do-																
5	Lentil	-do-																
6	Cauliflo wer	INM	0.50	180	173	4	195	168			87300	360000	272700	4.1	89,220	34,600 0	256780	3.8
7	Tomato	INM	0.50	260	262	-0.76	270	249			94966	390000	295834	4.12	92,664	3,79,50 0	286836	4.0
8	Waterm elon	Varietal introducti o	0.75	265	265	-	280	275			87140	476000	388860	5.4	87140	432000	345480	4.9
9	Rice	IPM	1.25	53.00	49	8.66	62.4	46			55730	79500	23720	1.43	56400	78000	11600	1.38
10	Bittergo urd	-do-	0.75	168	155	8.39	181	151			92000	420000	328000	4.56				
11	Onion	-do-	0.50	Contin uing		-												
12	Rice	Seed prod	2.5	77	50	54	95	65			55000	154000	99000	2.8	56400	80652	24252	1.43

*H-Highest recorded yield, L- Lowest recorded yield

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

d. Extension and Training activities under FLD on Crops

SI.No.	Activity	No. of activities organised	Date	Numb	er of partio	cipants	Remarks
				Gen	SC/ST	Total	
1	Field days						
2	Farmers Training	5					
3	Media coverage	T.V talk, radio talk					
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total						

e. Details of FLD on Enterprises

(i) Farm Implements

					* Data on parameter in relation		
Name of the	Cron	No. of formore	Area (ba)	Performance	to technology demonstrated	% change in the	Pomarks
implement	Crop	NO. OF Identifiers	Area (IIa)	parameters /		parameter	Rellians

		Indicators	Demon.	Local check	

* Field efficiency, labour saving etc.

(ii) Livestock Enterprises

SI. No.	Enterpr ise/ Categor y (e.g., Dairy,	Them atic area	Name of Techn ology	No. of farme rs	No. of unit s	No. of animals, poultry birds etc.	Ma Perfor param indic	njor rmance neters / rators	% chang e in the para meter	Ot param ar	her eters (if 1y) Check	E G Pou	con. o Goat(R IFS (3 Itry(R	f dem Rs./kid 00/ha Rs/10b	io. .)) ird)	E	con. of (Rs./H	check [a.)	B	Remark s
	etc.)											C	R	R	C			R	C	
							Demo	Check				**	**	**	R **				R	
1	Goat	Feedin g mgmt	Effect of feedin g vitami nand minera I supple ment on prewe aned goats	10	10	30	Live wt at 0 day (1.05k g) Live wt at 3mths (5.28k g)	3.5	-4.5 33.71			55 0	18 00	12 50	3. 2: 1	400	100 0	60 0	2.5 :1	
2	Poultry	Housi ng mgmt	Comp arative perfor mance	10	10	100	Age at 1 st lay	Age at 1 st lay	Ageat 1 st lay			A. 28 51	A. 88	A. 59 87	2. 1: 1	275 2	562 5	28 73	1.5 :1	

			on				A.152	224Da	A.32		В.	38	В.						
			growth				Day	у			28	.1	65						
			and						B. 26		51		57						
			produc				В.	Hatch				B.	.3						
			tion of				138.5	ability	Hatch			94							
			Giriraj				Day	%	ability			08							
			a and						%			.3							
			Vanar				Hatch	92(thr											
			aja				ability	ough	A26										
			under				%	broodi											
			semi					ng)	B21										
			intensi				A.73.5		_										
			ve					Egg	Egg										
			syste				В.	produc	produc										
			m of				80.02	tion /	tion /										
			farmin				_	mth	mth										
			g				Egg												
							produc	16.04	A31										
			A:				tion /												
			Giriraj				mth	Wt at	D0										
			а					20	\//t at										
							A.14.5	WKS	20										
			В.				D 10 5	1.01	20										
			Vanar				D.19.5	т.өкд	WNS										
			aja				W/t at		Δ 28										
							20		71.20										
							wks		B.33										
							WKS		2.00										
							A 3 05												
							ka												
							ing .												
							B.3.35												
							kg												
							Ũ												
3		IFS			10	300 ducks	Live	Live	30.23				24	3.	120	300	18	2.5	
							wt of	wt of					45	3:	000	000	00	:1	
			150			10000 fish	duck	duck				24	07	1			00		
	Duck-			10			at 8	at 8			40	06					0		
	Fish		Duck-	10			mths	mths			93	00							
			FISH				(2.15)	(1.5)											
							Live	Live											
							wt of	wt of											

			fish at	fish at	26.66						
			8 mths	8 mths							
			(0.15k	(0.11k							
			g)	g							

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Produce Sale Price must be as per MSP or Registered Marketing Society

Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

(iii)	Fisheries
-------	-----------

SI. No	Categ ory, e.g. Comm on carp,	The mati c area	Nam e of Tech	No. of farm	No. of uni ts	No. of fish/ fingerli	Major Perfor e param indica	manc leters / tors	% chan ge in the para mete	Other param s (if a Dem o	neter ny) C he	Econ. c	of demo GR*	D. (Rs./I	Ha.) BC R**	Ecc (Rs G C	on. of ./Ha.) G R	check NR	B C	Re mar ks
	ornam ental fish etc.		gy	ers		ngs	Dem o	Chec k	r		ck								R	
1	Carp	Seed prod uctio n	Seed prod uctio n of carp	5	5	-	9000 00Fi ngerli ng/h a	7200 00	9%			70000	450 000	3800 00	6.4 :2	60 00 0	30 00 00	250 000	5	

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

(iv) Other enterprises

SI. No.	Catego ry/ Enterp rise, e.g., mushr	The matic area	Nam e of	No.	No. of unit	Major Perfor param indicat	mance eters / tors	% chan ge in the para mete	Other param (if any) Dem o	eters) Chec k	Ecc (Rs G C*	on. of ./Ha.) G R*	f dem) N R*	B C	Econ (Rs.// GC	n. of ch Ha.) GR	eck N R	B C	Remar ks
	e.g., mushr oom, vermic ompos t, apicult ure etc.		Tech nolo gy	of farm ers		Dem o	Chec k	r			*	*	*	R* *				R	

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

(v) Farm Implements and Machinery

SI. No.	Name of implement	Сгор	Name of Technol ogy demonst rated	No. of farmers	Area (In ha.)	Field obse (Output/ n	ervation nan-hours)	% change in the paramet er	Labour reductio n (Man days)	Cost reduction (Rs. per ha. or Rs. per unit etc.)	Remarks
						Demo	Check				

f. Performance of FLD on Crop Hybrids

SI.	Gron	Name of hybrids	Area (ha.)	No. of farmers	Avg. yie (Q/ha.)	eld	% increase in Avg. yield	Addit data o demo. (Q/ha	ional on . yield .)	Econ. of	f demo. (F	Rs./Ha.)		Econ. of	f check (R	s./Ha.)	
No.	Crop	-			Demo. Check			H*	L*	GC**	GR**	NR**	BC R**	GC	GR	NR	BCR
1	Maiz e	Deklab Hishell	1.25	5	20.9	20.4	2.55	21. 4	20. 1	2300 0	3138 0	7380	1.3 6	2350 0	3060 0	7100	1.3

*H-Highest recorded yield, L- Lowest recorded yield

** GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio

Note: Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

3.3. Achievements on Training

3.3.1. <u>Farmers and Farm Women</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes (*Sp. On means On Campus training programmes sponsored by external agencies)

	No. of (Courses	' prog										Par	ticipants								
		Sno	Total			Ge	neral					S	C/ST					To	tal			
Thematic area	On-	n n	Total	Μ	ale	Fei	male	To	otal	Μ	ale	Fei	male	To	otal	M	<mark>ale</mark>	Fen	nale	To	tal	Grand
	s			On	Sp.	On	Sp.	On	Sp. On	On	Sp.	On	Sp.	On	Sp. On	On	Sp. On	On	Sp. On	On	Sp. On	Total
	(1) (2) (1+2) Crop Production					(6)	On (7)	(a= 4+6)	(b= 5+7)	(8)	On (9)	(10)	On (11)	(c= 8+10)	(d= 9+11)	(4+8)	(5+9)	(6+10)	(7+11)	(x= a +c)	(y= b +d)	(x + y)
I. Crop Product	ion																					
Weed																						
Management																						
Resource																						
Conservation																						
Technologies																						

Cropping Systems	1	1	17	3	20				17	3	20	20
Crop Diversification	1	1	20	7	27				20	7	27	27
Integrated Farming												
Water management												
Seed production	4	4	65	18	83				65	18	83	83
Nursery management												
Integrated Crop Management												
Fodder production												
Production of organic inputs												
II. Horticulture												
a) Vegetable Cr	ops											
Production of low volume												

and high value crops																	
Off-season vegetables																	
Nursery raising																	
Exotic vegetables like Broccoli																	
Export potential vegetables																	
Grading and standardizatio n																	
Protective cultivation (Green Houses, Shade Net etc.)																	
b) Fruits	1	 1	I	<u> </u>	I	1	I	I	I	I	 1	1	1	1	I	<u> </u>	
Training and Pruning																	

Layout and Management																			
of Orchards																			
Cultivation of																			
Fruit																			
Management																			
of young																			
plants/orchar																			
ds																			
Rejuvenation																			
of old																			
orchards																			
Export																			
potential																			
fruits																			
Micro																			
irrigation																			
systems of																			
orchards																			
Plant																			
propagation																			
techniques																			
c) Ornamental	Plants	-						-		-	-	-	-	-					
Nursery																			
Management																			
L	I	I	L	1	I	I	I	I	I		I	I			I	I	I	J	

of potted plants	
Export	
potential of	
ornamental	
plants	
Propagation	
techniques of	
Ornamental I I I I I I I I I I I I I I I I I I I	
Plants	
d) Plantation crops	•
Production	
and and and a second seco	
Management	
technology	
Processing	
and value	
addition	
e) Tuber crops	
Production	
and	
Management	
technology	

	Processing															
	and value															
	addition															
	f) Spices															
		1	1	1	1		1	1	1	1	 		 			
	Production															
	and															
	Management															
	technology															
	Processing															
	and value															
	addition															
	g) Medicinal an	d Aroma	tic Plai	nts												
	Nurcon			I	1	I	1							1		
	managamant															
	management															
ł	Production															
	and															
	management															
	tachnology															
	technology															
+	Post harvest															
	technology															
	and value															
	addition															
	auuuuuli															
ł	III Soil Health a	nd Fertili	tv Mar	nageme	ent											
			,													
İ	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 Pro	oduction	and M	anagen	nent									
Dairy Management													

Poultry Management																		
Piggery Management																		
Rabbit Management																		
Disease Management																		
Feed management	1		1	13	4		17						13		4		17	17
Production of quality animal products																		
V Home Science	e/Wome	n empo	owermo	ent		1		1	1		1	1		I	1	1		
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												
mainstreamin												
g through												
SHGs												
51105												
Storage loss												
minimization												
techniques												
Value												
addition												
Income												
generation												
activities for												
empowermen												
t of rural												
Women												
women												
Location												
specific												
drudgery												

	reduction															
	technologies															
	Rural Crafts															
	Women and															
	child care															
	VI Agril. Engine	ering	•	•	•	•		•								
	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															
Ц		1	1	1	1	1	1	i .	1			1		1	1	

and value												
addition												
Post Harvest												
Technology												
VII Plant Protec	tion											
Integrated												
Pest												
Management												
_												
Integrated												
Disease												
Management												
Bio-control of												
pests and												
diseases												
Production of												
bio control												
agents and												
bio pesticides												
VIII Fisheries												
Integrated												
fish farming												
Carp breeding												
and hatchery												
management												

Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											

-			 									
Fish												
processing												
and value												
addition												
IX Production o	f Inputs a	at site										
Seed												
Production												
Troduction												
Planting												
material												
production												
Bio-agents												
production												
Bio-pesticides												
production												
Die feutiliseu												
BIO-Tertilizer												
production												
Vermi-												
compost												
production												
p												
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 Build	ding and (Group	Dvnam	ics											
	0														
							-			-	-		 -	-	
Leadership															
Leadership development															
Leadership development															
Leadership development Group															
Leadership development Group dynamics															
Leadership development Group dynamics Formation															
Leadership development Group dynamics Formation and															
Leadership development Group dynamics Formation and Management															
Leadership development Group dynamics Formation and Management of SHGs															
Leadership development Group dynamics Formation and Management of SHGs															
Leadership development Group dynamics Formation and Management of SHGs Mobilization															
Leadership development Group dynamics Formation and Management of SHGs Mobilization of social															
Leadership development Group dynamics Formation and Management of SHGs Mobilization of social capital															
Leadership development Group dynamics Formation and Management of SHGs Mobilization of social capital Entrepreneuri															

development																						
of																						
farmers/yout																						
hs																						
WTO and IPR																						
issues																						
XI Agro-forestry	/		I	1	1	1	1	I	1	I		I	I			1	I	I	I			
Production																						
technologies																						
Nursery																						
management																						
Integrated																						
Farming																						
Systems																						
TOTAL	5		5	78		22		90								78		22		90		90
332 Achiev	vement	s on T	Fraini	na o	f Farr	ners	and	Farm	Won	hen i	n Off	Cam		incluc	lina S	nons	ored	Off Ca	mnus	Trai	nina	

3.3.2. Achievements on Training of Farmers and Farm Women in Off Campus including Sponsored Off Campus TrainingProgrammes(*Sp. Off means Off Campus training programmes sponsored by external agencies)

	No. of	Courses	/ prg.									Р	articipa	nts								Gran d
						Ge	neral					S	C/ST					То	tal			Total
Thematic area	Off	Sp Off*	Total	М	ale	Fe	male	Т	otal	N	Iale	Fe	male	Τα	otal	M	ale	Fen	nale	Τα	otal	
				Off	Sp Off*																	

I. Crop Product	ion											
Weed Management	1	1	14	3	17				14	3	17	17
Resource Conservation Technologies												
Cropping Systems	3	3	44	12	56				44	12	56	56
Crop Diversification	3	3	39	14	53				39	14	53	53
Integrated Farming												
Water management												
Seed production												
Nursery management												
Integrated Crop Management	1	1	15		15				15		15	15
Fodder production												

Production of organic inputs	1	1	13	5		18				13	5	18	18
II. Horticulture			I		<u> </u>	Į		<u> </u>					
a) Vegetable Cr	ops												
Production of low volume and high value crops													
Off-season vegetables	5	5	35	59		94	15	6	21	50	65	11 5	115
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardizatio n													
Protective cultivation (Green Houses,													

		 	 	 	 		 						-	
Shade Net														
etc.)														
b) Fruits														
Training and				1			I		1	1				
Druping														
Fruining														
Layout and														
Management														
of Orchards														
Cultivation of	1	1				18	13	31	18		13	31		31
Fruit	1	1 I												
Management														
of young														
plants/orchar														
ds														
Doinwonation														
Rejuvenation														
orola														
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 cr	ops	1	Į	ł	1	1	1	I	1	1	I	I	Į	1	I	I	<u> </u>	
Production																		
and																		
Management																		
technology																		
Processing																		
and value																		
addition																		
	1																	

e) Tuber crops													
Production and Management technology													
Processing and value addition													
f) Spices													
Production and Management technology	2		2	24	13	37				24	13	37	37
Processing and value addition													
g) Medicinal an	d Aroma	tic Plar	nts										
Nursery management													
Production and management technology													
Post harvest technology													

and value addition													
III Soil Health a	nd Fertili	ty Mar	nageme	nt									
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 Pro	oduction	and Ma	anagen	nent										
Dairy Management	1		1	18	5	23				18	5		23	23
Poultry Management														
Piggery Management	1		1				20	2	22	22	2		22	22
Rabbit Management														
Disease Management	1		1	18		18				18			18	18
Feed														
management														
Production of														
quality animal														
products														
V Home Science	e/Womer	n empo	werme	ent								•		
Household					17	17					17		17	17
food security	1		1											
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	2	2	1	34	35				1	34	35	35
Gender mainstreamin g through SHGs												
Storage loss minimization techniques	1	1				11	9	20	11	9	20	20
Value addition	2	2	26	22	48				26	22	48	48
Income generation activities for												

empowermen												
t of rural												
Women												
Location			2	19	21				2	19	21	21
specific												
drudgery	1	1										
reduction												
technologies												
Rural Crafts	1	1		20	20					20	20	20
Women and												
child care												
VI Agril. Engine	ering											
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												
Deat Hamiset				 								
Technology												
Technology												
VII Plant Protec	tion											
Integrated			68	6	74					68	6	74
Pest	5	5										
Management												
			10	 0	01					10		01
Integrated		_	18	3	21					18	3	21
Disease		1										
Management												
Bio-control of												
pests and												
diseases												
Production of												
bio control												
agents and												
bio pesticides												
VIII Fisheries												

Integrated fish farming	2	2	49	10	59				49	10	59	59	
Carp breeding and hatchery management	2	2	16	11	27				16	11	27	27	
Carp fry and fingerling rearing													
Composite fish culture	2	2	56	2	58				56	2	58	58	
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 o	of Inputs a	at site											
Seed													
Broduction													
FIOUUCION													
Planting													
material													
production													
F													
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 Build	ding and (Group	Dynam	ics										
Leadership														
development														
Group														
dynamics														
													\mid	
Formation														
and														

Management						 						
Invialiagement												
-f cuica												
OT SHGS												
Mobilization												
of social												
capital												
Entrepreneuri												
al												
development												
of												
farmers/vout												
Tarmers/your												
hs												
WTO and IPR												
issues												
XI Agro-forestry	v				•							
	,											
Production												
technologies												
Numerous												
Nursery												
Nursery												
Nursery management												
Nursery management												
Nursery management Integrated						 						
Nursery management Integrated Farming												
Nursery management Integrated Farming												
Nursery management Integrated Farming Systems												
Nursery management Integrated Farming Systems												
Nursery management Integrated Farming Systems TOTAL												
Nursery management Integrated Farming Systems TOTAL												
Nursery management Integrated Farming Systems TOTAL												
Nursery management Integrated Farming Systems TOTAL												
Nursery management Integrated Farming Systems TOTAL												
Nursery management Integrated Farming Systems TOTAL												

(B) RURAL YOU	ТН	I																		•		
3.3.3. Achieve	ements	on Tra	raining <u>Rural Youth</u> in <u>On Campus</u> including <u>Sponsored On Campus</u> Training Programmes Ipus training programmes sponsored by external agencies)																			
(*Sp. On mea	ans On	Campu	ıs train	ning programmes sponsored by external agencies)																		
	No.	of Cour Prog	rses/									Pa	rticipa	ants								Grand Total
						Ge	neral					S	C/ST					То	otal			(x + y)
Thematic area			Total	N	Iale	Fe	male	T	otal	N	Iale	Fe	male	Total		Male		Femalo	2	Total		-
	On (1)	Sp On*		On	Sp. On	On	Sp. On	On (a=	Sp. On	On	Sp. On	On	Sp. On	On (c=	Sp. On	On	Sp. On	On	Sp. On	On (x=	Sp. On	-
		(2)	(1+2)	(4)	(5)	(6)	(7)	(a- 4+6)	(b= 5+7)	(8)	(9)	(10)	(11)	8+10)	(d= 9+11)	(4+8)	(5+9)	(6+10)	(7+11)	a +c)	(y= b +d)	
Mushroom Production																						
Bee-keeping																						
Integrated farming		2	2	1	14 0		16 0		30 0		45		14 0		185		18 5		300		48 5	485
Seed production		1	1		20		20		40							20		20		40		40
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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	1	1	40	20	60				40	20	60	60
addition												
Production of												
quality animal												
products												
Dairying												
Sheep and												
goat rearing												
Quail farming												
Piggery												
Rabbit												
farming												
Poultry												
production												
Ornamental												
fisheries												
Para vets												

Para												
extension												
workers												
Composite												
fish culture												
Freshwater												
prawn culture												
Shrimp												
farming												
Tarining												
Pearl culture												
Cold water												
fisheries												
Fish harvest												
and												
processing												
technology												
			-									
Fry and												
fingerling												
rearing												
Small scale												
processing												
Post Harvest												
Technology												
Tailoring and												
Stitching												
Succinity												

Rural Crafts																						
TOTAL																						
3.3.4. Achieve (*Sp. Off mea	ments c ans Off (on Trai Campu	ning o [.] Is train	f <u>Rura</u> iing p	al You program	<u>th</u> in mme	<u>Off Ca</u> s spon	ampus isored	<u>s</u> inclu I by e	ding terna	Spons al age	ored	Off Ca	ampus	Traini	ng Pro	gram	nes	I	I		
	No. of C	Courses/	Prog.									Pa	rticipa	nts								Grand
						Ge	neral					S	C/ST					То	tal			Iotai
Thematic area	Off	Sp	Tota	M	ale Female Total Male Female Total Male Female Total Sp Of Sp Of Sp Of Sp Sp Sp Sp Sp															tal		
	On	Off	1	Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off*	Off	Sp Off *	Off	Sp Off*	Off	Sp Off *	
Mushroom Production	3		3	58		37		95								58		37		95		95
Bee-keeping																						
Integrated farming	2		2	28		13		41								28		13		41		41
Seed production Fish	3 1		3	40		29 8		69 29								40 21		29 8		69 29		69 29
Rice			1	21																		
Production of organic inputs																						

Integrated Farming												
Planting material production	1	1	14	6	20				14	6	20	20
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													
		L											
Value addition	1	1		24	24					24	24		24
Production of													
quality animal products													
Dairying													
Sheep and													
goat rearing													
Quail farming													
Piggery													
Rabbit												1	
farming													
Poultry production	4	4	42	33	75				42	33	75		75
Ornamental fisheries													
Para vets													
Para extension workers													

Composite	1	1	13		13				13		13		13
fish culture													
Freshwater													
prawn culture													
Shrimp													
farming													
Pearl culture													
Cold water													
fisheries													
Fish harvest													
and .													ĺ
processing													
technology													
Fry and													
fingerling													
rearing													
Small scale													
processing													
Post Harvest	1	1	17	3	20				17	3	20	ſ	20
Technology		-											
Tailoring and													
Stitching													
Rural Crafts													
TOTAL													

C. Extension Personnel

3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes

Participants Grand No. of Courses/ prog **Total** General SC/ST Total (x + y) Male Female Total Male Female Total Male **Female Total** Total Thematic area On Sp Sp. Sp. On Sp. On Sp. On Sp. On* Sp. On Sp. On On On On Sp. Sp. On (1+2) (a= (c= (x= (2) (10 (4+8 (6+10 (d= (y= (1) (5+9 (4) (6) 4+6 (b= (8) 8+10 (7+11 a 9+11 (5) (7) (9) (11)))) b 5+7))))) +c)) +d) Productivity enhancement in field crops Integrated Pest Management

(*Sp. On means On Campus training programmes sponsored by external agencies)

Integrated											
Nutrient											
management											
Deiuwenetien											
Rejuvenation											
oroid											
orchards											
Protected											
cultivation											
technology											
Formation											
and											
Management											
of SHCc											
013003											
Group											
Dynamics and											
farmers											
organization											
Information											
networking											
among											
farmers											
Capacity											
building for											
ІСТ											
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 mainstreamin g through SHGs											

3.3.6. Achievements on Training of Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes

	No. of (Courses	/ prog.									Pa	rticipa	ints								Grand Total
				Gen	eral					SC/S	ST					Total						
Thematic area	Off	Sp Off	Tota	M	lale	Fe	male	Τα	otal	M	ale	Fei	nale	Total		Male		Femal	e	Total	l	
		*	1	Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off *	Of f	Sp Off *	Of f	Sp Off *	Off	Sp Off*	Off	Sp Off *	Off	Sp Off*	Off	Sp Off *	
Productivity enhancement in field crops																						
Integrated Pest Management																						
Integrated Nutrient management																						

(*Sp. Off means Off Campus training programmes sponsored by external agencies)

Rejuvenation of old												
orchards												
Protected												
cultivation												
Formation												
and Management												
of SHGs												
Group Dynamics and												
farmers												
organization												
Information												
networking												
among												
farmers												
Capacity												
building for												
ICT												
аррисации												
Care and												
maintenance of form												
machinerv												
and												
implements												

WTO and IPR issues												
Management												
in farm											1	
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											1	
mainstreamin												
g through												
SHGs												
TOTAL												

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

Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area of traini	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	G par	ieneral ticipan	ts		SC/ST	-	Gra	and Tot	:al
	ng						М	F	Т	м	F	т	м	F	Т
Animal Science	Feed Mana geme nt	Treatment of straw			On	PF									

Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel

Discipline	Area	Title of the	Date	Durati	Venue	Please specify Beneficiary	G	ieneral			SC/ST	Г	Gra	and Tot	al
	of traini	training programme	(From – to)	on in davs		group (Farmer & Farm women/ RY/ EP and NGO Personnel)	par	ticipar	its						
	ng					,	М	F	Т	м	F	Т	м	F	Т

Plant protection	Mushroom cultivation	26-6-14	1	Serou	Farmers & Farm women	17	8	25		17	8	25
	Mushroom cultivation	4-7-14	1	Laiphrakpa m	Farmers & Farm women	1	19	20		1	19	20
	Weed manageme nt in pineapple field	16-7-14	1	Saramlok	Farmers & Farm women	14	3	17		14	3	17
	IPM on rice	2-8-14	1	Wangjing Wanglkei	RY	24	0	24		24	0	24
	Pest manageme nt in cole crops	12-9-14	1	Wangjing Hodamba	Farmers & Farm women	17	0	17		17	0	17
	Hopper manageme nt in rice field	14-10- 14		Salungpha m	Farmers & Farm women	15	2	17		15	2	17
	Hopper manageme nt in rice field	1-10-14	1	Ngatensoi maspal	Farmers & Farm women	12	4	16		12	4	16
	Grain storage	20-11- 14	1	Charangpat	Farmers & Farm women	18	3	21		18	3	21

	Mushroom cultivation	28-2-15	1	Khangabok	RY	10	40	50				10	40	50
Agronom Y	Cultivation of kharif field crops.	26-5-14	1	Hijam khunou	Farmers & Farm women	21	7	2 8				21	7	28
	Cultivation of kharif field crops.	23-6-14	1	Charangp at	Farmers & Farm women	12	5	1 7				12	5	17
	Nutritional mgt. in rice	28-7-14	1	Kiyam siphai	Farmers & Farm women	15	-	1 5				15	-	15
	Scientific cultivation of rice	23-8-14	1	Wangjing, Wangkhei	Farmers & Farm women	15	5	2 0				15	5	20
	Use of organic inputs	16-9-14	1	Waikhong	Farmers & Farm women				1 3	5	18	13	5	18
	Managem ent of rabi field crops.	26-12- 14	1	Wangjing	Farmers & Farm women	11	-	1				11	-	11

	Cultivation of pre- kharif rice	20-11- 14	1	Kiyam siphai	Farmers & Farm women	12	4	1 6		12	4	16
	Scientific cultivation of maize	18-2-15	1	Tangjing	Farmers & Farm women	12	5	1 7		12	5	17
Animal Science	Clean milking & value addition of milk	28-4-14	1	Hiyanglam	Farmer	18	5	2 3		18	5	23
	Scientific duck farming	21-5-14	1	Charangp at	RY	10	11	2 1		10	11	21
	IFS	24-6-14	1	Tekcham	RY	16	6	2 2		16	6	22
	Scientific broiler farming	15-7-14	1	Keirak	RY	12	8	2 0		12	8	20
	Scientific broiler farming	12-8-14	1	Wabagai	RY	13	9	2 2		13	9	22
	Disease mgt. of	12-9-14	1	Wabagai	F	18	-	1 8		18	-	22

	dairy cattle													
	Scientific broiler mgt.	8-9-14	1	Tentha	RY	17	5	2 2				17	5	22
	Treatment of straw	19-12- 14	1	On	F	13	4	1 7				13	4	17
	IFS	10-1-15	1	Wangjing	RY	12	7	1 9				12	7	19
	Scientific mgt. of pig	12-2-15	1	Ingarok	F				2 0	2	22	20	2	22
Fisheries	Induced breeding of carps	15-4-14	1	Arong nongmaik hong	PF	10	3	1 3				10	3	13
	Seed productio n of carps	26-5-14	1	Waikhong	PF	6	8	1 4				6	8	14
	Integrated aquacultur e	13-6-14	1	Elang khangpok poi	PF	19	1	2 0				19	1	20
	Fish health mgt.	8-8-14	1	Tokpachin g	PF	39	-	3 9				39	-	39

	Integrated aquacultur e	19-9-14	1	Langmeid ong	RY	13	-	1 3		13	-	13
	Integrated fish farming	26-10- 14	1	Arong nongmaik hong	PF	30	9	3 9		30	9	39
	Fish health mgt.	24-11- 14	1	Thoubal khunou	PF	17	2	1 9		17	2	19
PBG	Rogueing in pre- kharif rice	8-5-14	1	Sekmaijin g	Farmer	20	4	2 4		20	4	24
	Storage of seed	12-8-14	1	Wabagai	RY	17	3	2 0		17	3	20
	Refinemen t of garden pea+cabba ge	20-9-14	1	Wabagai	PF	17	3	2 0		17	3	20
	Varietal descriptio n of cereal crops maize & rice	12-9-14	1	On	PF	20	7	2 7		20	7	27

		Harve of ric seed	esting	20-10- 14	1	Thongjao	PF	16	5	2 1		16	5	21
		Harve of ric seed	esting	16-10- 14	1	Laikhrakp am	PF	17	4	2 1		17	4	21
		Stora mgt.c	ge of rice	17-12- 14	1	Khongjom	PF	12	5	1 7		12	5	17
		Sprin seed produ n	g rice uctio	19-2-15	1	Tangjing	RY	21	8	2 9		21	8	29
		Nurse mgt. pre-k rice	∍ry of harif	16-1-15	1	Sekmaijin g	RY	14	6	2 0		14	6	20
F r	lorticultu e	Early produ n of caulif r	uctio flowe	26-4-14	1	Sikhong	PF	2	23	2 5		2	23	25
		Scien cultiv of gin	tific ation nger	26-6-14	1	Ukongsan g	PF	11	6	1 7		11	6	17

productio													
n													
Use of	17-7-14	1	Lisamlok	PF				1	13	31	18	13	31
pineapple								8					
harvestor													
& cultural													
practices													
Scientific	10-8-14	1	Wangjing	PF	13	7	2				13	7	20
cultivation							0						
of onion													
 Productio	9-9-14	1	Kakching	PF	15	6	2				15	6	21
n of cole							1						
crops													
Cultural	16-1-14	1	Umathel	PF	13	7	2				13	7	20
practices							0						
of													
watermelo													
n													
Tomato	22-1-15	1	Thoubal	RY	12	13	2				12	13	25
cultivation							5						
Vegetable	26-2-15	1	Yairipok	PF	8	16	2				8	16	24
productio			singa				4						
n in													
greenhous													
e													
			1			1						1	1

Home Science	Preparatio n of low cost tomato powder	21-4-14	1	Langathel	PF	4	17	2				4	17	21
	Use of energy devices	16-5-14	1	Thoubal	PF		20	2 0					20	20
	Value addition of fruits	26-6-14	1	Serou	PF	3	24	2 7				3	4	27
	Organic dyeing	16-7-14	1	Langmeid ong	PF		20	2 0					20	20
	Value addition of gauva	4-8-14	1	Kakching	PF				7	21	28	7	21	28
	Household food security by nutritional gardening	9-9-14	1	Ukhongsh ang	PF		17	1 7					17	17
	Minimizati on ofd nutrient	16-1-15	1	Umathel	RY	3	24	2 7				3	24	27

loss in processing											
Storage loss minimizati on technique	24-2-15	1	Wangjing	RY	9	11	2 0		9	11	20

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date	Durati	Area of	Training			1	lo. of	Partic	cipant	s			Impact	of training	g in terms o	f Self	Whether
	(From –	on	training	title*				_						employ	ment afte	r training		Sponsore
	То)	(days			G	Genera	al		SC/SI	Г		Total						d by
																		external
																		funding
																		agencies
																		(Please
																		Specify
																		with
																		amount of
																		fund in
																		Rs.)
																		,
					М	F	Т	м	F	Т	М	F	Т	Туре	Numb	Number	Avg.	
														of	er of	of	Annual	
														enterp	units	persons	income in	
														rise		employ	Rs.	
														ventur		ed	generated	
														ed			through	
														into			the	
																	enternrise	
																	enterprise	

*training title should specify the major technology /skill transferred

Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)

									1	lo. of	Partic	ipant	S			Sno	Amou
On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From- To)	Duration (days)	Discipline	Area of training	Title	C	Genera	al		SC/ST			Total		nso ring Age ncy	nt of fund receiv ed (Rs.)
							м	F	Т	м	F	т	м	F	Т		
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 2014-15

Sl. No.		Торіс	Date and duration			Particip	ants	
	Extension Activity			No. of activities	General	SC/ST	Extension Officials	Grand Total
					(1)	(2)	(3)	(1+2)

					M	F	Т	M	F	T	М	F	Т	M	F	Т
1.	Advisory services			284	200	60	260	20	4	24				220	64	284
2.	Diagnostic visit			239	200	30	230		9	9				230	9	239
3.	Field day			1	20	5	25							20	5	25
4.	Group Discussion			21	100	30	130	15	10	25				115	40	155
5.	Kishan Gosthi															
	Kishan Mela															
6.	Film show															
7.	SHG formation															
8.	Exhibition															
9.	Scientists visit to farmers fields			346	290	40	330	6	10	16				296	50	346
10.	Plant/ Animal Health camp			5	90	10	100	6		6				90	16	106
11.	Farm science club															
12.	Ex-trainee Sammelan															
13.	Farmers seminar/ workshop															
14.	Method demonstration			16	41	30	71	1	9	10				42	39	81
15.	Celebration of important days	i)World Environment Day ii)World Vety,Day	5-6-14													
16.	Exposure visits															

17.	Electronic media (CD/DVD)		1						
18.	Extension literature		6						
19.	Newspaper coverage		4						
20.	Popular articles		47						
21.	Radio talk		6						
22.	TV talk		18						
23.	Training manual		2						
24.	Soil health camp								
25.	Awareness camp								
26.	Lecture delivered as resource person								
27.	PRA		26						
28.	Farmer-Scientist interaction								
29.	Soil test campaign								
30.	Mahila Mandal Convener meet								
31.	Any other (Book chapter)		3						
32.									
	Grand Total								

3.5 Production and supply of Technological products during 2014-15

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number	of recipient/ b	eneficiaries
					General	SC/ST	Total
CEREALS			105.90	<mark>264750</mark>			
OILSEEDS							
PULSES							
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2014-15

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Numb	per of recipient/ benefi	ciaries
				General	SC/ST	Total
1	CEREALS	10.59	<mark>264750</mark>	320	80	400
2	OILSEEDS					
3	PULSES					

4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
	TOTAL	10.59	264750	320	80	400

B. Production of Planting Materials (Nos. in lakh)

Major group/class	Сгор	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		ficiaries
					General	SC/ST	Total
Fruits							
Spices	Onion	Bhima, Shakti	1,00,000	10,000			
Ornamental Plants							
VEGETABLES	Cauliflower	White flash	50,000	25,000	15	10	25
	Cabbage	Rare ball	40,000	20,000	10	10	20
Forest Spp.							
Plantation crops							
Medicinal plants							
OTHERS (Pl. Specify)							

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2014-15

SL No.	Major group/class	Numbors (In Lakh)	Value (Rs.)	Number of recipient beneficiaries				
51. NO.			Value (ns.)	General	SC/ST	Total		
1	Fruits							
2	Spices							
3	Ornamental Plants							
4	VEGETABLES							
5	Forest Spp.							
6	Medicinal plants							
7	Plantation crops							
8	OTHERS (Specify)							
TOTAL								

C. Production of Bio-Products during 2014-15

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Number of Recipient /beneficiaries			
			No	(qt)	(qt)				
						General	SC/ST	Total	
BIOAGENTS									
BIOFERTILIZERS									
1									

2				
3				
4				
BIO PESTICIDES				
1				
2				
3				
4				

C1. SUMMARY of production of bio-products during 2014-15

Sl. No.	Product Name	Product Name	Species	Qua	ntity	Value (Rs.)	Number o benefi	f Recipient iciaries	Total number of Recipient
			Nos	(kg)		General	SC/ST	beneficiaries	
1	BIOAGENTS								
2	BIO FERTILIZERS								
3	BIO PESTICIDE								
	TOTAL								

D. Production of livestock during 2014-15

Sl. No.	Type of livestock	Breed	Quantity		Quantity Value (Rs.)		Number of Recipient beneficiaries		
			(Nos)	Kgs				5	
						General	SC/ST	Total	
	Cattle/ Dairy								
	Goat	<mark>Non</mark> descript	40		Not yet sale				
	Piggery	<mark>Crossbred</mark> pig	12 piglets		Notyet sale				
	Poultry(Duck)	<mark>Khaki</mark> campbell	60nos.		6000/-	40	20	60	
	Fisheries	Rohu, grasscarp, pengba, puntius	20,000	20	20000/-	20	10	30	
	Others (Specify)								

D1. SUMMARY of production of livestock during 2014-15

Sl. No.	Livestock category	Breed	Quantity		Quantity		Quantity		Quantity	Quantity		Number o benefi	f Recipient ciaries	Total number of Recipient
			Nos	(kg)		General	SC/ST	beneficiaries						
1	CATTLE													
2	SHEEP & GOAT	Non descript	40											

3	POULTRY	Khaki campbell	60nos.		6000/-	40	20	60
4.	PIGGERY	Crossbred	12 piglets					
5	FISHERIES	Rohu, grasscarp, pengba, puntius	20,000	20	20,000/-	20	10	30
6	OTHERS (Pl. specify)							
	TOTAL							

3.6. Literature Developed/Published (with full title, author & reference) during 2014-15

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

(B) Articles/ Literature developed/published

ltem	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.	Length weight relationship and condition factor of an endemic carp <i>osteobrama cunma (day,1888) of</i> <i>Manipu</i> r	Bedajit, Y; Chakraborty, S.K; Motilan, Y; Vishwanath, W; Deshmukh,G and Jaiswar, A.K	500
2.	Studies on seed characters and seedling	Singh,M.T, Singh, I.M and Singh M.S	500
3.	Vigour of rice, Agricultural research	Thoithoi, M: Meghachandra,I;Mutum S. Singh	<mark>500</mark>
4.	Feedinghabbits and reproductive biology of an endemic carp, osteobrama cunma (day1888) of Manipur	Bedajit, Y: Chakraborty, S.K;Motilan, Y; Vishwanath, W Deshmukh, G and Jaiswar, A.K	1000
Training manuals	i. IWMP training manual 2014-15 ii. Village level training programme manual for IWMP	KVK and DRDA thoubal	500
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1.			
2.			
3.			
Book/ Book Chapter	 Fish fauna of Manipur and their conservation Prospect of integrated fish farming 	i. Bedajit, Y ii Bedajit X	<mark>1000</mark>
	3. Integrated Fish farming	iii. Bedajit Y	<mark>1000</mark>
			<mark>1000</mark>
Popular articles	i.Care and management of pig	<mark>i.Zeshmarani, S</mark>	<mark>500</mark>
	ii. Dairy Farming	<mark>ii. Zeshmarani, S</mark>	<mark>500</mark>
	iii. feeding of broiler	<mark>iii Zeshmarani, S</mark>	<mark>500</mark>
	iv. understanding rabies	<mark>iv.Zeshmarani,S</mark>	<mark>500</mark>
	v.Rabies- what we should do	v.Zeshmarani, S	<mark>500</mark>
	vi Fish – Duck integration	vi Zeshmarani,S	<mark>500</mark>
	vi. paddy-duck farming	vii. Zeshmarani, S	<mark>500</mark>
	viii. Managemental practices to prevent from mortality of preweaned piglets		500
	ix. Hopper management in rice field	<mark>ix M. Thoithoi</mark>	500
	x. Low cost mushroom cultivation	<mark>x. M. Thoithoi</mark>	

	xi. Blast management in rice field		<mark>500</mark>
	xii. Shoot borer and termite management of	xi. M. Thoithoi	<mark>500</mark>
	sugarcane		<mark>500</mark>
	xiii SRI in fish farm with hybrid rice PAC-807	<mark>xiii. S. Sumangal</mark>	<mark>500</mark>
	xiv. Rice seed production the need of the hour	Xiv. S. Sumangal	<mark>500</mark>
	xv. Rice fish rotation in Manipur	xv. S. Sumangal	500
	xvi Hybrid rice cultivation in Manipur	xvi. S. Sumangal	500
	xvii.Situation specific rice varieties of Manipur	<mark>xvii S. Sumangal</mark>	<mark>500</mark>
	xviii. Late sown rice as contigent crop	xviii S. Sumangal	<mark>500</mark>
	xix. Early varieties of cauliflower and their package of practice	<mark>xix. S. Sumangal</mark>	<mark>500</mark>
	xx. Rogueing in rice and production	xx. S. Sumangal	<mark>500</mark>
Technical bulletins			
Extension bulletins			
Newsletter			
Conference/ workshop	Influence of probiotic supplementation on growth	Zeshmarani, S	<mark>500</mark>
proceedings			
	Comparative performance kid supplemented with vitamin and minerals	Zeshmarani, S and Dhaneshwar, <mark>M</mark>	<mark>500</mark>
Leaflets/folders	Income generation through value added pulses	R.K Lembisana	600
	Agronomic measures for controlling soil erosion	W. Jiten	600

	Vermicompost technology	M. Thoithoi	<mark>600</mark>
	Scientific cultivation of onion	Kh.Premlata Devi	<mark>500</mark>
	Scientific cultivation of Ginger	Kh. Premlata Devi	<mark>500</mark>
	Cultural practices of Watermelon	Kh.Premlata Devi	<mark>500</mark>
	Tomato production in Green House	Kh.Premlata Devi	<mark>500</mark>
	Crop diversification in rainfed upland rice areas	N. Tomba	<mark>500</mark>
e-publications			
Any other (PI. specify)			
TOTAL			

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 produced

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

INTEGRATED FARMING SYSTEM - A BOON TO POOR RURAL

HOUSEHOLD COMMUNITY

Due to unemployment problem, Agriculture and allied activities are the primary source of income for the people living in rural areas of Thoubal district. Commercial broiler farming was taken up as an enterprise by almost and every household communities in a very small scale Integrated. Since feed cost accounts for more than 70% of the total cost of production. It is high time for the farmers to take up Integrated Farming System so as to increase their income to many fold and also helps in moving towards organic farming.

Intervention:

KVK imparted training on Integrated Farming System and its advantage in different IFS module namely Fish-Poultry, Fish-Duck, Fish- dairy, Fish- goat, Fish-Pig were designed and imparted knowledge through training to the farmers and rural youths. One day Smt. Huidrom Anita Devi aged about 32 years, Wife of Soibam Shantipur Singh of Tekcham Mayai Leikai happens to attend the one day training programme taken up by KVK Thoubal under IFS. Smt. Anita Devi owned 1.5 ha of land where she takes up fish farming. She is very much motivated by the technology and the advantage of IFS. She conducted a trial on Fish cum broiler farming in 0.5 ha of fish pond. She made the poultry shed above the pond and started rearing 150 birds/0.5 ha pond. She also rear 5000 fingerlings in the ratio of 30% surface feeder, 30% middle finger and 40% bottom feeder. Broiler faeces and left

over feed were dropped in the fish pond which were used as feed for the fish. KVK personnel attended her farm from time to time and gave suggestion about the technology to improve the farming system. Liming with quick lime was done in the fish pond at 300kg/ha in four splits to increase ph/ correction of acidity. She sold the birds at 49 days.

Impact

She has earned a good income from both fish and bird. She sold the bird at Rs.120/kg and could earn an income of Rs.12,000.00 from one batch of broiler and from such 6 batches she could earn about Rs.72,000.00 From the fish per annum she could earn a profit of 60,000.00 in a year totaling to Rs.(72,000.00 + 60,000.00)1,32,000.00. Before from the fish alone she could get a profit of Rs.40,000. An increase about 20,000.00 could be achieved from this system. Now she is planning to extend remaining pond to Integrated Farming System. This technology is being spread to other farmers of the district





Success story

SRI in fish farm

The status of First crop/pre kharif/spring rice in Manipur is alarming. It was once envisaged that two crops of rice the first crop (feb-march to june-july) and the main season crop (June-July to oct.- nov.) could increase the annual production of rice in Manipur to a great extent. But on the contrary, the area of first crop in Manipur is alarmingly decreasing due to many factors such as lack of adequate number of suitable varieties, sprouting of mature seeds in standing condition in the field, submergence of good paddy fields due to Loktak hydel project and conversion to fish ponds, lack of irrigation facilities due to failure of barrages and dams, more importantly lesser total yield of two subsequent crops compared to only one proper crop because of lack of proper land preparation of main crop due to lack of time, etc.

In such a situation, , in the fish ponds located in the periphery of the major lakes of Thoubal District hybrid rice PAC - 807 was introduced as a trial. This venture became a very successful one giving a yield of about 9 - 10 mt of paddy/ha. The technology was demonstrated and popularized through different media such as doordarshan, radio news papers, etc. Training programmes were conducted at different villages for farmers who participated with great enthusiasm.

The technology has been able to give an average gross return of Rs.96600 and an average net profit of Rs. 50600 annually. The B:C ratio is worked out as 2.1

The technology:

- 1. nursery raised about 12 days prior to fishing out/pumping out water from the pond
- 2. plot making
- 3. marking with roller marker at 25x25 cm
- 4. transplanting

- 5. cono weeding
- 6. intermittent irrigation

The advantages of this technology:

- 1. no ploughing saves money
- 2. no fertilizer as the pond bed is very fertile saves money
- 3. rice and fish rotation possible -more income
- 4. pond dykes used for fruit and vegetable cultivation
- 5. animal component can be added

The technology has been adopted by farmers in Thoubal district(KVK district) but also to almost all the shallow lake areas of other districts of Manipur





SRI in Fish Farm

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
- Extension personnel

3.11 Field activities

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

3.12. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab

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

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

:

:

:

3. Details of samples analyzed so far

Details	No. of Samples	No. of Farmers	No. of Villages	Amount (In Rupees) realized
Soil Samples				
Water Samples	12	12	12	-
Plant Samples				
Petiole Samples				

Total	12	12	12	

3.13. Details of SMS/ Voice Calls sent on various priority areas

Messag	Crop		Livestock	ζ	Weather		Marketing		Awarenes	S	Other Ent.		Total	
e type	No. of Messag e	No. of Ben eficiar y	No. of Messag e	No. of Bene f iciary	No. of Messag e	No. of Bene f iciary	No. of Messag e	No. of Benef i ciary	No. of Messag e	No. of Bene f iciary	No. of Messag e	No. of Bene f Iciary	No. of Messag e	No. of Benef i Ciary
Text only	2	71	13	50									15	121
Voice only														
Voice and Text both														
Total														

3.14 Contingency planning for 2015-16

a. Crop based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Proposed Measure	Proposed Area (In ha.) to be covered	Number of beneficiaries proposed to be covered			
			General	SC/ST	Total	
	Introduction of new variety or crop					
	Introduction of Resource Conservation Technologies					

Distribution of seeds and planting materials		
Any other (Please specify)		

a. Livestock based Contingency planning

Contingency (Drought/ Flood/ Cyclone/ Any other please specify)	Number of birds/ animals to	No. of programmes to be	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiarie proposed to be covere		ciaries overed
	be distributed	undertaken			General	SC/ST	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)	
1.Seed production of rice through ICM & SRI	1200	30	35,000/- per ha (approx)	90.000/-	

2.Hybrid rice	4000	60	35,000/-	45,000/-
3.Pre-kharif/ Spring rice	2000	50	32,000/-	40,000/-

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

4.2. Cases of large scale adoption

1. Hybrid rice: The introduction of hybrid rice : PAC-801, PAC-807, Arise-^\$\$\$, Arise 6444 (gold) and Prima has enabled the farmers to increase their income. It is now spread to all the valley district of Manipur. The Department of Agriculture Manipur also distributed these hybrid seeds at free of cost to the farmers through RKVY scheme. Use of Hybrid seeds enabled farmers to adopt new technologies of rice cultivation and increase their income to the tune of Rs. 45,000 against 35,000 by using local HYVs

2. Zero tillage mustard cultivation has been adopted by the farmers since long time back using local mustard varieties with the introduction of new mustard and rapeseed varieties like M-27, TS-36, TS-38,NRCHB -101, Pusa boldetc. Farmers are now using these varieties in zero tillage cultivation during rabi season in rice fallows

3. With the introduction of new hybrids of pumpkin and watermelon by the KVK, several farmers adopted these crops in large scale in rice fallows during spring season getting extra income of Rs.3,20,000/ha with little investment from rice fields increasing the cropping intensity in rice areas

4. The introduction of Chemical castration of pig by the KVK encourage the farmers to take up chemical castration instead of open method of castration as it reduces the cost of castration and injury to the piglets

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1.DRDA,IWMP Thoubal	Demonstration, Training, Resource person
2.NBFGR,Lucknow	Research
3.DCFR,Bhimtal	Demonstration
4.ATMA,Thoubal	Training

- 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 2014-15

Name of the scheme	Activity/ programme	Year	Funding agency/ Sponsoring orgn.	Amount (Rs.)
Participatory programme on exploration and characterization of fish germplasm resources in North East,India	Exploration and characterization of fish germplasm resources and indigenous knowledge of the Chindwin drainage in Manipur	2013-16	NBFGR	2,30,0000/-

Demonstration	Culture of Osteobrama Demonstration along with Chinese carps		DCFR	3,53,370/-
Training and demonstration	Training & demonstration	2014	IWMP,DRDA,Thoubal	2,40,000/-

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

SI. No.	Programme	Nature of linkage	Remarks
1			

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 2014-15

6.1 **Performance of demonstration units (other than instructional farm)**

SI. No. Demo Unit Year of estd.		Area	Details	of productio	n	Amour	nt (Rs.)	Remarks	
				Variety	Produce	Qty.	Cost of inputs	Gross income	

6.2 Performance of instructional farm (Crops) including seed production

Name	Date of	Date of	(ha)	Detai	Is of production	on	Amour	nt (Rs.)	Domorika
of the crop	sowing	harvest	Area (Variety	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks

Cereals									
Rice	June	November	2.5	HYV of Manipur	Seed	10.59 T	165000	264750 (approx)	Not yet sale
Wheat									
Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Any other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other									
Fibers									
i.									
ii.									

Spices & Plantation crops										
i.										
ii.										
Floriculture										
i.										
ii.										
Fruits	I	•	1							
i.										
ii.										
Vegetables				,		1				
i.										
ii.										
a. Others (specify)										
i.										
ii.										

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

SI	Name of the		Amount (Rs.)	
01.	Dreduct	Qty		Remarks
	Product			

No.		Cost of inputs	Gross income	

6.4 Performance of instructional farm (livestock and fisheries production)

SI.	Name	Details of production			Amou		
No	of the animal / bird / aquatics	Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1	Fish	Rohu, Catla, Mrigal, Grass carp,Silver carp, Common carp	Table fish	1	10000	200000	Not yet sale

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

Date	Title of the training course		No. of Courses	No. of Pa	irticipants incl	uding SC/ST	No	o. of SC/ST Particip	oants
		Client (PF/RY/EF)		Male	Female	Total	Male	Female	Total

6.6. Utilization of hostel facilities (Month-Wise) during 2014-15

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/ Branch	Account Number
With Host Institute	State Bank of India	Thoubal	11746667259
With KVK	State Bank of India	Thoubal	11746667259
Revolving Fund	State Bank of India	Thoubal	11746667260

7.2 Utilization of funds under FLD on Maize (*Rs. In Lakhs*) if applicable-Not received any fund for the year 2014-15

ltem	Released by	Released by ICAR/ZPD		nditure	Unspent balance as on 31 st March, 2015
	Year	Year	Year	Year	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

7.3 Utilization of KVK funds during the year 2014 -15 (Expenditure upto Feb. 2015 only)

S.	Porticularo	Sanctioned	Released	Expenditure
No.	Paruculars	(in Lakh)	(in Lakh)	(in Lakh)

A. Re	curring Contingencies			
1	Pay & Allowances	85.00	85.00	76.05
2	Traveling allowances	2.00	2.00	1.37
3	Contingencies	9.00	9.00	7.50
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
В	POL, repair of vehicles, tractor and equipments			
С	Meals/refreshment for trainees	-		
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	-		
Н	Maintenance of buildings	1		
1	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
	TOTAL (A)	96.00		
			96.00	84.92

B. No	n-Recurring Contingencies			
1	Works			
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
	TOTAL (B)			
C. RE	VOLVING FUND			
	GRAND TOTAL (A+B+C)	96.00	96.00	84.92

7.4 Status of Revolving Fund (Rs. in lakhs) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year
April 2012 to March 2013	1,03,759	54,241	1,00,000	3,759
April 2013 to March 2014	3,759	1,63,391		1,69,150
April 2014 to March 2015*	1,69,150	58,990		1,88,140

*figure shown under 2014-15 is for upto 28-02-2015

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

Minutes of the 10th SAC meeting held on 11th Dec 2014

The 10th SAC meeting of KVK Thoubal was held on 11th December 2014 in the conference hall of KVK thoubal to discuss the following agenda.

Agenda discuss

- 1. Confirmation of last meeting
- 2. Presentation of progress report
- 3. Presentation of action plan
- 4. Discussion
- 5. Miscellaneous

The following, members were present

1.	O. Ibomcha Singh	Rice Breeder
2.	Th. Gyaneshwar	DAO
3.	Th. Tomba	EO (Agriculture)
4.	E. Sulochana Devi	District fishery officer
5.	Dr. A. Helim Sheik	Joint Director / DVO
6.	Dr. A. K. Sinha	Principal Scientist ZPD-III
7.	Dr. N. Prakash	Joint Director ICAR, Lamphel
8.	S. Gunija Devi	Director of Agriculture, Govt. Of Manipur
9.	Kh. Keuyalushor	E.O. (Agri)
10.	M. Kumar	Farmer representative
11.	M. Manglembi	Farmer representative
12.	S. Memnaobi	Farmer representative

At the very onset Smt. S Gunija devi, Director Agri, Manipur, president of the meeting welcome all the members present. The president gave permission of the progress report and action plan and Shri S. Sumangal Singh SMS, PBG presented the same.

In the beginning the action taken report of the last SAC was presented during which Dr. A.K. Sinha suggested to present it in powerpoint. It was requested to excuse for the present and would be done next time.

In agronomic part for the crop arhar Dr. A. K. Sinha suggested to put the parameters observed supposed to earlier it was replied to put in the final report.

In case of horticulturalcrop onion Dr. N. Prakash said Bhim super was superior to Bhima Shakti. It was noted. Dr. A.K. Sinha further suggested to find out the problems of the existing varieties such as yield, pest, duration etc. Then go for solving the problems. It was also noted.

In plant protection Dr. N. Prakash suggested that in IPM degree of infestation of the field before and after the trial should be indicated which was noted.

Regarding home science, Dr. A.K. Sinha enquired whether OFT on solar cooker could be brought to the level of demonstration with care so that it should not be failed. It was confirmed that it could be taken up.

In animal science, Dr. N. Prakash enquired whether other varieties of broiler could be used. In response to this animal science SMS, Dr. Zeshmarani Sarangthem replied generally the farmers of Manipur used vancob varieties. Regarding vaccination schedule joint director Veterinary, Dr. A. Helim Sheik commented that only one time is required as broiler is to be consumed within seven weeks. In response to this SMS animal science replied that F1 vaccin should be given on day5 and booster at day 21. There should always be a booster dose she further reacted.

Regarding PBG, Dr. A.K. Sinha said that drought and flood are not a problem. The problem has been change to scarcity of late sown/contingent rice variety.

During discussion of FLD, in Agronomy- names of varieties of maize and rice was suggested to be indicated. It has been put as Tampha phou in rice and for maize as Deklals Hissel. Dr. A. K. Sinha and Dr. N. Prakash said that it should be present yearly and not half yearly. It was noted.

In case of the yield potential of the maize variety used even after refinement the yield potential cannot be increased then demonstration should not be taken up.Dr. Prakash suggested to go for QPM.

Regarding Horticulture it was suggested by Dr. N. Prakash to increase the number of farmers/demonstration. It should also be tried for all FLD's he further suggested.

In fisheries, Dr. N Prakash suggested that as the FLD is on production of seed, number of fingerling/ seedling should be worked out. In response, it has been worked out.

Regarding home science, Dr. N. Prakashsuggested to form self help groups and go for cheap materials and not for difficult technologies.

While presenting on veterinary, it was suggested by Dr. N. Prakash to increase the number of training not to go for one day but to increase the number to 3-5 days. He further suggested to go for sponsored, estension personnel and vocational training. He further suggested to increase mobile service and improved the publication.

Dr. A.K. Sinha and Dr. N. Prakash enquired whether soil testing was taken up. He further said that as the Dept. Is in possession of mobile soil testing lab soil testing should be taken up.

After the presentation was over, queries were initiated from the house. Joint director, veterinary Thoubal enquired whether the FLD on duck is taken up, If so why only 10 ducks were given. In response SMS animal Science said, it was a trial and so only 10 nos. were given to them.

Smt. Manglembi , women farmers representative said Hopper is very serious problem and necessary action may kindly be taken up by the KVK in time.

Smt. Memnaobi requested to take up training and other activities in time. Seed production in participatory mode should also be included in the report.



Seed production of barp

Seed production of carp



FLD on Maize production of barp



Door darsan programme on rice base cropping system

Seed production of Tampha phou



FLD on pulse

FLD on Arhar



FLD on Hybrid rice

FLD on Cauliflower

Horticulture



OFT on onion var. Bhima Shakti



Farmers' training programme



FLD on Tomato

Field visit





Anti rabies vaccination programmeFLD on pulse

Castration of goat vaccination programmeFLD



Field visit

Farmers training



Chemical castration

Home visit for treatment



Vaccination

Field visit



Training

Field visit



Rouguing in rice seed productionChemical castration

Intercropping of pea and cabbasege



Garden pea with cabbage

After harvest of cabbage



OFT on RCM-13


FLD on onion

OFT on ladies finger



Training programme on Plant protection



Field visit

Training programme on Horticulture