PROFORMA FOR ANNUAL REPORT OF KVKS, 2016-17

1. GENERAL INFORMATION ABOUT THE KVK

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

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

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

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

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, 2017)**

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/Others)
1	Programme Coordinator								
2	Subject Matter Specialist	N.Tomba Singh	SMS (Agronomy)	Agronomy	15,600-39100 GP 6600 -P.B-3	23000	20-7-07	Permanent	Gen
3	Subject Matter Specialist	Dr.M.Thoithoi Singh	i/c,Programme Coordinator SMS (Plant protection)	Plant protection	15,600-39100 GP 6600 -P.B-3	23000	20-7-07	-do-	-do-
4	Subject Matter Specialist	S.Sumangal Singh	SMS (Plant Breeding & Genetics)	PBG	15,600-39100 GP 6600 -P.B-3	23000	20-7-07	-do-	-do-
5	Subject Matter Specialist	Dr.S.Zeshmarani	SMS (Vety &A.H.)	Vety & A.H	15,600-39100 GP 6600 -P.B-3	23860	12-4-07	-do-	-do-
6	Subject Matter Specialist	Kh.Premlata Devi	SMS (Horticulture)	Horticulture	15,600-39100 GP 6600 -P.B-3	23860	12-4-07	-do-	SC

7	Subject Matter Specialist	R.K.Lembisana Devi	Prog.Asst.(Home Sc.)	Home Science	15,600-39,100 GP 5400-P.B-3	18240	12-4-07	-do-	Gen
8	Computer Programmer	L.Babita Devi	Prog.Asst.(Compute r)	Comput er	15,600-39,100 GP 5400-P.B-3	18240	12-4-07	-do-	-do-
9	Farm Manager	W.Jiten Singh	Farm Manager		15,600-39,100 GP 5400 P.B-3	18240	12-4-07	-do-	OBC
10	Accountant / Superintende nt	O.Shilhenba Singh	Account		9,300-34,800 GP 4200 P.B-2	9300	05-10-16	-do-	Gen
11	Stenographer	M.Geeta Devi	Jr.Steno cum Computer operator		5200-20,200 GP 2400-P.B-1	10570	12-4-07	-do-	-do-
12	Driver	M.Hemanta Singh	Driver cum Mechanic		5200-20,200 GP 2400-P.B-1	11200	12-4-07	-do	-do-
13	Driver	Th.Tiken Singh	-do-		5200-20,200 GP 2400-P.B-1	11200	03-5-07	-do	-do-
14	Supporting staff	S.Dhabali Singh	Peon cum Chowkidar		5200-20,200 GP 1800-P.B-1	7370	12-4-07	-do-	-do-
15	Supporting staff	Mangminthang Zou	-do-		5200-20,200 GP 1800-P.B-1	7370	12-4-07	-do-	ST

Note: No column in the table must be left blank

1.6. a. Total land with KVK (in ha) : 10 ha

b. Total cultivable land with KVK (in ha): 7.5 ha

c. Total cultivated land (in ha):

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.	Under vegetales	2.32
5.	Orchard/Agro-forestry	1.52
6	Others (specify)	0.809

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	Within 12 months.	550(Ground floor)	76,33,000	Dec,2007	550(1st floor)	Work in good progress.

2.	Farmers Hostel	-	-	-	-	-	-	-
3.	Staff Quarters (5)	-do-	31-3-12		67.90	2-1-12		Completed
4.	Demonstration Units (2)	-do-	31-3-12		20.07	2-1-12		Completed
5	Fencing	-do-	31-3-12	215m	19.75	2-1-12		Completed
6	Rain Water harvesting system							
7	Threshing floor	Host	15.4.2015					Completed
8	Farm godown	Host	15.4.2015					Completed

B) Vehicles

Type of vehicle	**Regd. No.**	**Year of purchase**	**Cost (Rs.)**	**Total kms. Run**	**Present status**
Bolero, Diesel jeep	MNO1K-8510	2006-07	5,08,657	215352	Bad
Tractor, complete set		2006-07	4,35,543	17516	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Computer with 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
Computer with accessories(2nos.)	March,2016	2,00,000	Good
LCD Projector	March,2016	50,000	Good

1.8. A). Details SAC meeting* conducted in the year 2016-17

Sl. No.	**Date**	**Name and Designation of Participants**	**Salient Recommendations**	**Action taken on last SAC recommendation**
1.	31/1/2017	1.Louis Ngasainao**,** Director (Agri), Govt. of Manipur 2.Dr. R.K. Imotomba Singh, Sr. Scientist and Head, KVK, Bishnupur 3. S. Bhimo Singh, Fishery Inspector	Suggested to adopt paddy cum fish wherever possible	

		4.Ksh. Birachandra Singh, DO, Horticulture and Soil Conservation, Thoubal District 5.Dr. M. Priyodutta Singh, i/c Plant health Clinic, representative, DO Thoubal 6.Sussana Zimik, Manager(PBD), SBI, Thoubal 7.M. Noren Singh, Fishery Farm Asst., Thoubal 8.Ch.Ibomcha Singh, Farmer 9.M. Kunjo Singh, Farmer 10.Ak. Deben Singh, Farmer 11.M. Ibechaobi Leima, Farmer Representative 12.Hifjur Rahman, PD, ATMA, Thoubal 13.L. Rajen Singh, Farmer Representative 14.K Rashbihari Singh, Dy. Director, Extension, CA/CAU, Imphal 15.N. Jotish Singh, District Social Welfare Officer, Thoubal	Suggested to indicate suitable breed for the region Suggested to include state released var. in trial & demonstration.	

		16.M. Ingocha Singh, Farmer 17.M. Manihanba Singh, Farmer 18.R.K. Bishwajit Singh, Superintendant D.O.Sericulture, Thoubal 19.Kh. Boby Singh, F/O Sericulture, Thoubal 20.Ph. Thoiba Singh, Farmer 21.M. Ningthem Singh, Farmer 22.N. Nimai Singh, Agronomist, Rice Research Station, Wangbal 23.W. Bimola Devi, Farmer Representative	Enquired about facilities for water harvesting structure.	

**** 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

8	Vety & A.H
9	Agriculture-vety & A.H

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

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

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Fine, Umbric Dystrochrepts Fine, Typic Haplo humults.	Deep, excessively drained fine soils moderately steep side slopes of hills having clayey surface with moderate erosion, associated with deep well drained fine soils on moderately sloping side slopes of hills with moderate erosion and slight stoniness.	3500
2.	Fine Typic, Haplo humults Fine, Loamy Umbric Dystrochrepts	Deep, well drained, fine soils on moderately sloping side slopes of hills having loamy surface with moderate erosion, associated with moderately deep, excessively drained fine loamy soils on moderately steep side slopes of hills with moderate erosion and slight stoniness.	14,803.2
3.	Fine, Typic Haplaquepts Fine Ruptic Ultic Dystrochrepts	Deep, poorly drained, fine soils on nearly level valleys having clayey surface with very slight erosion, ground water table between one to two meters of the surface and slight flooding, associated with deep well drained fine soils on gently sloping side slopes of hills with slight erosion.	6251
4.	Very fine, molic haplaquepts	Deep ,very poorly drained, very find soils on nearly valleys having clayey surface with very slight erosion ground water level between one meter of the surface and severe flooding associated with deep, poorly drained fine soils on very gently sloping valleys with slight erosion ground water table between one to two meters of the	22,373.8

		surface and slight flooding.	
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	6235	2,18,225	35.00
	ii) Kharif	24850	10,43,700	42.00
	iii) Improved	10,570	2,43,110	23.00
	iv) Local paddy	1200	19200	16.00
2.	Maize	310	7440	24.00
3.	Kharif pulses	190	1482	7.80
4.	Kharif oilseeds	150	11700	7.80
5.	Sugarcane	830	12,45,000	1,500,00
6.	Rabi pulses	2325	27900	12.00
7.	Rabi oilseeds	3050	51850	17.00
8.	Potato	905	89595	99.00
9.	Cole crops	2246	87,000	112.9
10	Chilli	350	2,800	8.00
11.	Pineapple	2,530	16, 00,000	800.00
12.	Wheat	50	1100	22.00

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	

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

Category	Population	Production	Productivity
Cattle			
Crossbred	24177	57684lit/d	28lit/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	70383	37,67,730eggs/year	170eggs/year/hen
Desi	170865	50,46,440eggs/year	320eggs/year
Improved	10600	50,00,480eggs/year	420eggs/year

Ducks	10760	13,220kg	40kg/turkey
Turkey and others	724		

Category	**Area**	**Production**	**Productivity**
Fish	**604**	**4.84**	**300 kg / ha**
Marine			

Note: Pl. provide the appropriate Unit against each enterprise

2.6 Details of Operational area / Villages (2016-17)

Sl.No.	**Taluk/ Eleka**	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
		Thoubal	Yairipok	Paddy	Lack of suitablecultivation practice,fertilizer use and pest management	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Goat farming	No vaccination,castration and improper feeding and housing	Goat farming with less input and vaccination
				Fishery	Lack of knowledge of scientific fish farming	Composite fish culture
			Maibam	Paddy	Varietal admixture, improper cultivation methods	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM

				Horticulture (Cole crops)	Lack of proper variety and pest management	Winter vegetables like cagbbage cauliflower, Broccoli and IPM
			Charangpat	Paddy	Varietal admixture, improper cultivation methods	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Horticulture (Green chilli)	Lack of knowledge of summer vegetable varieties and pest management	Summer vegetable, Corm Cultivation and IPM
				Pig farming	No, vaccination, improper feeding and breed	Vaccination, Castration and Housing
			Uyan	Paddy	Varietal Admixture, improper cultivation technique and pest management	ICM,SRI,Hybrid Rice, INM,Balanced Fertilizer and IPM
				Oilseeds & Pulses	Limited area under oilseed and pulses	Pulses and oilseed cultivation
				Poultry Farming	Lack of scientific knowledge of poultry farming	Broiler farming, vaccination
				Piggery	No vaccination, castration and improper housing	Pig rearing, vaccination

			Uchiwa	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
				Fishery	Lack of knowledge for Scientific fish farming.	Scientific fish farming.
				Pig farming	Lack of knowledge for Integrated fish cum pig farming.	Integrated fish cum pig farming
			Sangai yumpham	Paddy	Injudicious use of fertilizers, pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. of paddy.
				Poultry farming	Problems in feeding readymade feeds.	Feeding management with locally available feeds.
			Wanging	Paddy	Injudicious use of fertilizers, Pest and diseases problem, Varietal admixture, failure of crop due to error in planting season	Integrated pest management, Integrated nutrient management, Balance fertilization, Seed prodn. Of paddy.

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

			Umathel	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Oilseeds & pulses	Lack of knowledge of oilseed & pulses cultivation	Scientific pulse & oilseed cultivation
			Waikhong	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Pig farming	No vaccination & castration	Vaccination & castration
			Serou	Maize	Lack of suitable maize varieties & its cultivation technique	Proper composite & hybrid varieties,intercropping of maize with pulses & oilseeds
			Wangoo	Paddy	Injudicious use of fertilizer,pesticides & lack of proper cultivation method	SRI,INM,Intercropping of paddy with pulses & oilseed crops
				Fishery	Lack of scientific fish culture	Composite fish culture
			Wabagai	Paddy	Lack of suitable cultivation technique	ICM,SRI,hybrid rice cultivation

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

3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievements of mandatory activities by KVK during 2016-17

Discipline	OFT (Technology Assessment and Refinement)				FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)			
	Number of OFTs		Number of Farmers		Number of FLDs		Number of Farmers	
	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Agronomy	2	2	10	10	5	5	80	76
Plant protection	2	2	10	10	2	2	16	16
Plant breeding and Genetics	2	2	10	10	2	2	20	20
Horticulture	2	1	10	5	4	4	20	20
Vety & A.H	2	2	10	10	3	3	30	30
Home Science	1	1	5	5	3	3	30	30
Total								

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)					Extension Activities			
3					4			
Number of Courses			Number of Participants		Number of activities		Number of participants	
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
Farmers	70	60	1400	1456	505	500	4500	4385

Rural youth	25	21	500	441	97	95	1325	1295
Extn. Functionaries	4	2	80	42				
Total	29	83	1980	1939	602	595	5825	5680

Seed Production (ton.)		**Planting material (Nos. in lakh)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
10	9.7		

Note: Target set during last Annual Zonal Workshop

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

Functionaries								
Total								

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

Note: Target set during last Annual Zonal Workshop

3. B. Abstract of interventions undertaken during 2016-17

Sl. No	Thrust area	Crop/ Enterprise	Identified problems	Interventions					
				Title of OFT if any	Title of FLD if any	Title of Training if any	Title of training for extension personnel if any	Extension activities	Supply of seeds, planting materials etc.
1	Seed production	Rice	Insufficient seed	-	Seed prodn o rice through SRI	Seed prodn o rice through SRI	-		Seed
2	Farm Machinery	Rice	Haphazard wet sowing	-	Rice prodn through drum seeder	Rice prodn through drum seeder	-		Seed

3	Cereal production	Maize	Rabi maize faces poor growth	-	Scientific cultivation of maize	Scientific cultivation of maize	-		Seed
4	Oilseed production	Rapeseed mustard	Lack of HYV and seed	-	Cluster FLD	Package and practices of rapeseed mustard cultivation	-	Exposure visit	Seed & Fertilizer
5	Pulse seed production	Chickpea lentil,field pea	Lack of seed	-	Demo on oilseed hub	Package and practices ofpulse crop under seed hub	-	Exposure visit	Seed
6	ICM	Chick pea	No significant method of cultivation	Scientific cultivation of chick pea	-	Scientific cultivation of chick pea	-	-	Seed
7	ICM	Lentil	Usually grown after harvest of rice. Suffers from moisture deficit during vegetative stage	Cultivation of lentil under utera condition		Cultivation of lentil under utera condition	-	-	seed
8	Varietal evaluation	Cucumber	Lack of short duration which is prefered by farmers	Varietal trial of Barkha	-	Varietal trial of Barkha	-	-	Seed
9	Varietal Evalution	Raddish	Non availability of different types of variety	Varietal trial of pusa jamini	-	Varietal trial of pusa jamini	-	-	Seed

10	IDM	Chilli	Fruit boreranthracnosa, ripe fruit borer	Management of fruit borer, die back of chilli using flubendamide & tricyclazole	-	Management of fruit borer, die back of chilli using flubendamide & tricyclazole	-	-	Fungicide
11	IDM	Brinjal	Shoot and fruit borer	Mgmt. of fruit & shoot borer with cypermethrin	-	Mgmt. of fruit & shoot borer with cypermethrin	-	-	Pesticide
12	Varietal Evaluation	Rice	Very less number of suitable short duration var.for 1st crop. Low yield of existing one	Evaluation of rice variety CAUR-3	-	Evaluation of rice variety CAUR-3	-	-	Seed
13	Nutrition Management	Pig	Scarcity of feed	Effect of brewery waste on growth performance of grower pig	-	Effect of brewery waste on growth performance of grower pig	-	-	Brewery waste
14	Breed introduction	Poultry	Lack of adequate no. of poultry feed	Production performance of Kamrupa a dual purpose bird under local feeding condition	-	Production performance of Kamrupa a dual purpose bird under local feeding condition	-	-	Poultry bird

15	Dyeing	Cloth dyeing	Lack of colour fastness in chemical	Dyeing of cotton fabrics with natural mordant	-	Dyeing of cotton fabrics with natural mordant	-	-	Dyeing mordant
16	Varietal evaluation	Chilli	Not many high yielding chilli var.	-	Varietal evaluation of Arka Meghana	Varietal evaluation of Arka Meghana	-	-	Seedling
17	Varietal evaluation	Cabbage	Consumer want of small size head	-	Introduction of cabbage var. pusa hybrid	Introduction of cabbage var. pusa hybrid	-	-	Seedling
18	Varietal evaluation	Tomato	Consumer want small size fruit and taste	-	Introduction of Arka Rakshak	Introduction of Arka Rakshak	-	-	Seedling
19	Varietal evaluation	Garden pea	Farmer want short duration variety	-	Introduction of garden pea var. Pusa Shree	Introduction of garden pea var. Pusa Shree	-	-	Seed
20	Women riendly tools	Maize sheller	Drudgery prone in hand dehusking	-	Manually operated tubular maize sheller	Manually operated tubular maize sheller	-	-	Maize sheller
21	Storage technique	Fish salt curing	Less shelf life of fish due to non processing & value addition	-	Fish salt curing	Fish salt curing	-	-	Technology
22	Women friendly tools	Spreading tools	Locally available spreader in drudgery prone	-	Introd. Of scientific wooden spreading tools	Introd. Of scientific wooden spreading tools	-	-	Wooden spreading tools

23	Pest ngmt of sugarcan e	Sugarcane	Shoot borer & termite damage the sugarcane	-	Mgmt of shoot borer & termite using Thiabendazole @ 200a.i/ha & Metarhizium anisoplloe	Mgmt of shoot borer & termite using Thiabendazole @ 200a.i/ha & Metarhizium anisoplloe	-	-	Insecticide
24	Pest mgmt of cowpea	Cowpea	Insect pest damage cowpea crop severly	-	Insect pest mgmt of cowpea using Emamectin benzoate 5SG@ 0.002%	Insect pest mgmt of cowpea using Emamectin benzoate 5SG@ 0.002%	-		Insecticide
25	Seed productio n	rice	Lack of adequate quantity of seed for the variety RC Maniphou 12 a new variety	-	Seed production of rice through SRI var. RC Maniphou-12 seedling age-12 days spacing 25x25cm no fertilizer, isolation 3 m		-	-	seed

26	Rice	Seed of Tamphaphou still need to be produced	-	-	Seed production ofrice through SRI var. Tamphaphou seedling age- 12 days spacing- 25x25 cm fertilizer: NPK 60:40:30, isolation 3 m	Seed production ofrice through SRI var. Tamphaphou seedling age- 12 days spacing- 25x25 cm fertilizer: NPK 60:40:30, isolation 3 m			Seed
27	Broiler	Mortality % is more during rearing	-	-	Growth performance of broiler by feeding coriander sativum seed powder @ 2% of feed	Growth performance of broiler by feeding coriander sativum seed powder @ 2% of feed			Coriander seed
28	Pig	Infection of sow by Mastitis metritis Agalactia complex	-	-	Treatment of Mastitis metritis agalactia complex by using Benzathine penicillin 48 Lakh unit	Treatment of Mastitis metritis agalactia complex by using Benzathine penicillin 48 Lakh unit			Medicine

29	Rice Cum Duck	Sole cropping alone cannot increase grosss income	-	-	Rice – Duck Farming 300 ducks/ ha paddy	Rice – Duck Farming 300 ducks/ ha paddy			Duckling

3.1 Achievements on technologies assessed and refined during 2016-17

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	1	1			2					4
Seed / Plant production										
Weed Management										
Integrated Crop Management			2							2
Integrated Nutrient Management										

Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management					2					2
Resource conservation technology										
Small Scale income generating enterprises										
TOTAL										8

* *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.*

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

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitary**	**Fisheries**	**TOTAL**
Evaluation of Breeds		1						1
Nutrition Management					1			1
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
TOTAL								2

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

Thematic areas	**Cattle**	**Poultry**	**Sheep**	**Goat**	**Piggery**	**Rabbitery**	**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/Cropping 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	1Sowing of 2 rows of chickpea 30 cm apart on 67.5 cm raised beds	Usually broadcast in the district resulted to poor crop stand and mgt thereby	Sowing of 2 rows of chick pea 30 cm apart on 67.5 raides beds	Rice based cropping system	3	Technology Pl.ht-45cm, no. of branches/ plt-15, no. of pods/pl-52, yield-9.2q/ha	Due to lack of irrigation & growth yield could not be acheved as expected	Need irrigation facility & Timelysowing	2.45

		reduces yield				Farmer practice Pl.ht-45cm, no. of branches/ plt-13, no. of pods/pl-52, yield-8.8q/ha			
2	Sowing of lentil under utera 10 days before the harvest of rice crop	Late sowing after harvesting rice under zero tillage conditionfac es soil moisture deficiet in the vegetative stage reduces yield	Sowing of lentil under utera 10 days before the harvest of rice crop	Rice based cropping system	3	Failure due to november rain just after the harvest of rice crop . population was greatly reduced			
3	Mgmt of fruit rot & die back of chilli using Flubendamid e &	Fruit borer dieback anthracrose ripe fruit not affect the plant	Mgmt of fruit rot & die back of chilli using Flubendamide & Tricyclazole	IDM	10	Technology % fruit borer-8,% disease incidence Dieback-6,27;Anthracros	Very much appreciated	Highly appreciated	4.1

	Tricyclazole					e-15.11;Fruit rot-9.66 Farmers practice Chlorantranilipr ole fruit borer-8% Defonoconazole - 7.11;Anthracros e-16.03;fruit rot-8.78			3.81
4	Mgmt of shoot & fruit borer of brinjal by using cypermethri ne	Problem of shoot & fruit borer reduces yield a lot	Mgmt of shoot & fruit borer using cypermethrin e	IDM	10	Technology % shoot borer, fruit borer 8% Farmers practice Coragen fruit & shoot borer-8%	Very much appreciated	Better than coragen	6.35 3.8
5	Evaluation of rice variety CAU R-3	Very less no. of suitable variety for first crop low yield of	Evaluation of rice variety CAU-3	Rice + Fish	10	Technology Pl.ht-115cm No. of grains/	Appreciated due to short duration	Can be taken up to for sequestialcrop ping due to its short duration	1.7

		existing rice				pannicle-154 Duration-120days Yield-41q/ha Farmers RC Maniphou-12 Pl.ht-112 cm No. of grain/pannicle-115days Yield-46q/ha			1.9
6	Effect of brewery waste on growth performance of grower pig (1:3)	Scarcity of feed	Effect of brewery waste on growth performance of grower pig (1:3)	Grower pig	5	Technology i.Body wt at 2 months-5.8kg ii.Body wt at 8 months-64kg Farmers practice (without brewery waste) i.Body wt at 2	Farmers very much appreciated	Can be taken for demonstration	3.96

						months-5kg ii.Body wt at 8 months- 53kg			
7	Production performance of kamrupa, a dual purpose bird under local feeding condition	Lack of adequate numbers of improved breeds	Production performance of kamrupa, a dual purpose bird under local feeding condition	Kamrupa birds	5	Technology i.Growth performance (weeks/g) 0(39),4(261.4),*9540),!@(835),16(1070),20(1235),24(1450),28(1660),32(1900) iisurvibility 98% iii.Age at 1st Lay 169.66 Farmers practice i.Growth performance 20 wks (2300g) iisurvibility 97% iii.Age at 1st Lay 156.23	Farmers accepted the new variety	Ready for demonstration	1.91 1.87

8	Cultivation of mustard var. Pm 28 under Zero tillage	Inadequate no of short duration mustard variety	Cultivation of mustard var. PM28 under Zero tillage	Rice based cropping system	10	Technology Pl.ht-96cm, Duration-90 days No. of branches-5 Yield-9.5q/ha Farmers practice (var. local yella) Pl.ht-80cm, Duration-100 days No. of branches-4 Yield-7.6q/ha	They like the variety in respect of plant type and yield and seed size. They proposed for increase in seed rate	Variety is good better than the local one and can go for further demonstration under this situation	2.68 2.24
9	Dyeing of cotton fabrics with natural mordants	Colour fastness of natural fabrics	Dyeing of cotton fabrics with natural mordants	Dyeing With beet root	5	Technology Optimum dye extration time-50min Dye material concentration-10g/100g fabric	Apreciated the result but need to produce beet root at house hold level	Beet root cultivation needs to be encouraged	

						Dyeing time-30-45min Optimum dye absorption Farmers practice Simultaneous mordanting-10 mins Post mordanting -5 mins			
10	Varietal trial (on spring rice(Var-Cau-R-3 (Mangal)	Inadequate no of short duration rice	Varietal trial (on spring rice(Var-Cau-R-3 (Mangal) seed rate 4kg/ha (SRI) spacing 25x25cm NPK 60::40:30kg /ha	Rainfed low land	10	Technology Pl.ht-115 No.of grain/pannicle-154 Duration-120days Yield-41q/ha Farmers practice RC Maniphou-	Few farmers prefre it for its shorter duration Taste is not prefered	No further trial or demonstration	1.7 1.9

						12 Pl.ht-112cm No. of grain/panicle-160 Duration-115 days Yiela-46q/ha			
11	Varietal trial of Pusa Barkha	Lack of shot duration which preferred by the farmer	Varietal trial of Pusa Barkha	5	Cucumber	continuing			
12	Varietal trial of Arka Samrat	Non availability of consumer preference having high quality variety	Arka Samrat	5	Tomato	**Technology** Pl.Ht-100 cm Fruit size-95 gm Yield-265 q B.C ratio-4.3 **Farmer practice** Pl.Ht -125 cm Fruit size- 87 gm	Appreciated	Further demo. needed	4.3 4.1

						Yield -249 q B.C ratio- 4.1			

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

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

3.2 Achievements of Frontline Demonstrations during 2016-17

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

List of technologies demonstrated during previous year and popularized during 2016-17 and recommended for large scale adoption in the district

Sl. No	Crop/ Enterprise	Technology demonstrated	Horizontal spread of technology		
			No. of villages	No. of farmers	Area in ha
1	Rice	Seed production through SRI	5	5	1.25
2	Rice	Wet sowing using drum seeder	5	5	1.25
3	Maize	Cultivation of Rabi Maize	5	5	1.25
4	Rapeseed & Mustard	Cluster FLD on oilseeds	7	45	30
5	Chickpea, Lentil,	Pulse seed hub	8	17	21

	Field pea				
6	Chilli	Introduction of Arka Meghana	5	5	0.25
7	Cabbage	Introduction of pussa cabbage hybrid	5	5	0.5
8	Garden pea	Introduction of Pusa Shree	5	5	0.1875
9	Tomato	Introduction of Arka Rakshak	5	5	0,18
10	Sugarcane	Shoot borer and termite mgmt using Thiamethoxane	4	8	2
11	Cowpea	Insect mgmt of cowpea using Emamectin Benzoate 5SG @ 0.002%	8	8	1,5
12	Rice	Seed production through SRI (var. RC Maniphou-12)	5	5	1.25
13	Rice	Seed production through SRI (var. Tamphaphou)	5	5	1.25
14	Broiler	Growth performance of broiler using coriander seed	5	10	200 birds
15	Sow	Treatment of Mastitis metritis Agalactia complex syndrome using Benzathene Penicillin48 lakh units	5	10	20 sows
16.	Duck + paddy	Integrated Duck cum paddy 300 birds /ha paddy	5	5	300 birds/ ha paddy area
17	Maize	Tubular Maize sheller	5	10	10
18	Fish	Fish salt curing	5	10	

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

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

Sl. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement	Farming situation (Rainfed/ Irrigated, Soil type, altitude, etc)	Status of soil (Kg/ha)		
												N	P	K
					Proposed	Actual	SC/ST	Others	Total					
1.	Rice	Seed production	SRI	Kharif 2016	1.25	1.25	-	5	5	NA	Irrigated			
2.	Rice	Farm Machinery	Wet sowing using drum seeder	Kharif 2016	1.25	1.25	-	5	5	NA	Irrigated			
4.	Maize	Cereal production	Cultivation f Rabi Maize	Rabi 2016	1.25	1.25		5	5	NA	Rainfed			
5.	Pulses	Seed production	Pulse seed hub	Rabi 2016	35	21	10	7	17	Late arrival of scheme	Rain fed			
6.	Rapeseed mustard	Oilseed production	CFLD on rapeseed mustard	Rabi 2016	30	30		45	45	NA	Rainfed			
7.	Chilli	Vegetable production	Introduction of Arka Meghana-	Kharif 2016	0.25	0.25		5	5	NA	Rainfed			
8.	Cabbage	Vegetable	Introductio of pusa cabbage	Rabi	0.5	0.5	-	5	5	NA	Irrigated			

		production	hybrid	2016										
9.	Garden pea	Vegetable production	Introduction of Pusa Shree	Rabi 2016	0.18	0.18	-	5	5	NA	Irrigated			
10.	Tomato	Vegetable production	Inroduction of Arka Rakshak	Rabi 2016	0.25	0.25	-	5	5	NA	Irrigated			
11.	Sugarcane	Insect management	Insect mgmt with thiamethoxiame	Kharif 2016	1.25	1.25	-	10	10	Na	Irrigated			
12.	Cowpea	Insect management	Insect mgmt with Emamectin Benzoate	Rabi 2016	.5	0.5	-	10	10	NA	Irrigated			
13.	Rice	Seed production	Seed production through SRI var.RC Maniphou 12	Kharif 2016	1.25	1.25	-	5	5	NA	Irrigated			
14.	Rice	Seed production	Seed production through SRI var.Tampha phou	Kharif 2016	1.25	1.25	-	5	5	NA	Irrigated			

c. Performance of FLD on Crops

Sl. No.	Crop	Thematic area	Area (ha.)	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Data on parameters other than yield, e.g., disease incidence, pest incidence etc.		Econ. of demo. (Rs./ha.)				Econ. of check (Rs./Ha.)			
				Demo.	Check		H*	L*	Demo	Local	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR
1	**Rice**	**Seed production**	**1.25**	**92.8**	**60.0**	**35.3**	**99.2**	**86.4**			**58000**	**185600**	**127600**	**3.2**	**60000**	**80650**	**30650**	**1.34**
2	Rice	Farm Machinery	1.25	62.8	60	4.4	66	63.6			60000	94200	34200	1.57	60000	900000	40000	1.5
3	Chilli	Vegetable production	0.24	212	170	19.8	230	200			91610	530000	438390	5.78	88000	425000	3,33,000	4.82
3	Cabbage	Vegetable	0.50	189	177	6.3	200	168			86560	189000	102440	2.18	84600	177000	92400	2.09
4	Garden pea	Vegetables	0.18	56.4	51	9.5	61	54			87776	22500	137824	2.57	85500	204000	118500	2.39
5	Tomato	Vegetable	0.25	263	250.8	4.6	270	255			92966	394500	301534	4.2	89700	376200	286500	4.19
6	Sugarcane	Disease mgmt	1.25	328	308	6.4	232	312			65290	24153	176283	3.7	63000	225000	162000	3.57
7	Cowpea	Disease mgmt	1.25	74	68	8.8	78	67			58700	298000	239000	5.1	58000	22400	162400	3.8
8	Rice	Seed prod	1.25	45	41	8.8	47	42			55000	126000	71000	2.29	60000	114800	54800	1.91
9	Rice	Seed prod	1.25	72	55	23.6	74	71			55000	146000	91000	2.6	60000	110000	50000	1.83

***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

Sl.No.	Activity	No. of activities organised	Date	Number of participants			Remarks
				Gen	SC/ST	Total	
1	Field days						
2	Farmers Training	1	23.11.16	26	-	-26	26
3	Media coverage	2	12.2.17 2.4.17				DDK prog on CFLD oilseed DDK prog on pulse seed hub
4	Training for extension functionaries						
5	Any other (Pl. specify)						
	Total						

e. Details of FLD on Enterprises

(i) Farm Implements

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

				indicators	Demon.	Local check		

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

(ii) Livestock Enterprises

Sl. No.	Enterprise/ Category (e.g., Dairy, Poultry etc.)	Thematic area	Name of Technology	No. of farmers	No. of units	No. of animals, poultry birds etc.	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	
1	Poultry (broiler)	Nutrition mgmt	Growth performance of broiler by feeding coriander seed powder (2% of feed)	10	200	200	i.Body wt at 6 weeks (2.7) ii. Survibility %(98) iii. Feed conversion efficiency (1.74)	i.Body wt at 6 weeks (2.3) ii. Survibility %(95) iii. Feed conversion efficiency (1.42)	i.Body wt at 6 weeks (17) ii. Survibility %(3) iii. Feed conversion efficiency (22)			17931	26000	8069	1.45	16593	20409	3816	1.23	
2	piggery	Disease mgmt	Treatment of Mastitis Metritis Agalactia	10	16	16	Litter size at Birth (12.8) Litter weight at	Litter size at Birth (13.7) Litter weight at	Litter size at Birth (-7.08) Litter weight at			16288	59000	42612	3.6	15769	41000	25231	2.6	

			complex syndrome in post partum estrus by using Benzathene Penicillin 48 lakh unit				(450) birth Liiter size at Weaning(12.6) Litter weight at Weaning (5000)	(418) birth Liiter size at Weaning (6.8) Litter weight at Weaning (4300)	(7.6) birth Liiter size at Weaning(85.29) Litter weight at Weaning (16.27)											
3	Duck /Paddy (300 ducks/ha paddy)	IFS	Duck /Paddy (300 ducks/ha paddy)	10	300 ducks/ha paddy	300 ducks/ha paddy	i.Growth performance of duck at 6 months(2.2kg) ii. %Effect on weed population(96)	i.Growth performance of duck at 6 months(1.8kg) ii. %Effect on weed population(92)	i.Growth performance of duck at 6 months(22) ii. %Effect on weed population(4.3)			41452	95340	53888	2.33	33485	69650	36165	2.08	

**** 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

Sl. No.	Category, e.g. Common carp, ornamental fish etc.	Thematic area	Name of Technology	No. of farmers	No. of units	No. of fish/ fingerlings	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
							Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	

*** 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

Sl. No.	Category/ Enterprise, e.g., mushroom, vermicompost,	Thematic area	Name of Technology	No. of farmers	No. of units	Major Performance parameters / indicators		% change in the parameter	Other parameters (if any)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)				Remarks
						Demo	Check		Demo	Check	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR	

	apiculture etc.																		
1		**Storage technique**	**Fish salt curing**	**10**	**10**	**i)Shelf life 8weeks ii)production 80%**	**i)Shelf life 3weeks ii)production 30%**	**62.5** **37.5**			**2000**	**3600**	**1600**	**1.8**	**2000**	**2800**	**800**	**1.4**	**Shelf life & production increase**

***** 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

Sl. No.	**Name of implement**	**Crop**	**Name of Technology demonstrated**	**No. of farmers**	**Area (In ha.)**	**Field observation (Output/ man-hours)**		**% change in the parameter**	**Labour reduction (Man days)**	**Cost reduction (Rs. per ha. or Rs. per unit etc.)**	**Remarks**
						Demo	**Check**				
	Tubular maize sheller	Maize	Maize sheller	10	NA	30kg/hr	8kg/hr	73.3	1:4	Rs.100/100 kg	Both time, labour & dryugger is also reduced
	Spreading	Rice	Spreading tools for	10	NA	100kg/hr	60kg/hr	40%	1:6	Rs.100/100	

	tools		grain							kg	

f. Performance of FLD on Crop Hybrids

Sl. No.	Crop	Name of hybrids	Area (ha.)	No. of farmers	Avg. yield (Q/ha.)		% increase in Avg. yield	Additional data on demo. yield (Q/ha.)		Econ. of demo. (Rs./Ha.)				Econ. of check (Rs./Ha.)			
					Demo.	Check		H*	L*	GC**	GR**	NR**	BCR**	GC	GR	NR	BCR

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

Thematic area	No. of Courses/ prog			Participants																		
	On-Campus (1)	Spon On*	Total	General						SC/ST						Total						Grand Total (x + y)
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On	Sp. On	On	Sp. On	On (a=	Sp. On	On	Sp. On	On (10	Sp. On	On (c=	Sp. On	On (4+8	Sp. On	On (6+10	Sp. On	On (x=	Sp. On	

		(2)	(1+2)	(4)	(5)	(6)	(7)	4+6)	(b= 5+7)	(8)	(9)	)	(11)	8+10)	(d= 9+11)	)	(5+9)	)	(7+11)	a +c)	(y= b +d)	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder																						

production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardizatio n																						
Protective cultivation (Green																						

Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						

Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						

e) Tuber crops																						
Production and Management technology																						
Processing and value addition																						
f) Spices																						
Production and Management technology																						
Processing and value addition																						
g) Medicinal and Aromatic Plants																						
Nursery management																						
Production and management technology																						
Post harvest technology and value																						

addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						

IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development																						

of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific																						

drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						

Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery																						

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

Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and																						

fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social capital																						

Entrepreneurial development of farmers/youths																					
WTO and IPR issues																					
XI Agro-forestry																					
Production technologies																					
Nursery management																					
Integrated Farming Systems																					
TOTAL																					

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

Thematic area	No. of Courses/ prg.			Participants									Grand Total
	Off	Sp Off*	Total	General			SC/ST			Total			
				Male	Female	Total	Male	Female	Total	Male	Female	Total	

				Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	
I. Crop Production																						
Weed Management																						
Resource Conservation Technologies																						
Cropping Systems																						
Crop Diversification																						
Integrated Farming																						
Water management																						
Seed production																						
Nursery management																						
Integrated Crop Management																						
Fodder																						

production																						
Production of organic inputs																						
II. Horticulture																						
a) Vegetable Crops																						
Production of low volume and high value crops																						
Off-season vegetables																						
Nursery raising																						
Exotic vegetables like Broccoli																						
Export potential vegetables																						
Grading and standardizatio n																						
Protective cultivation (Green																						

Houses, Shade Net etc.)																						
b) Fruits																						
Training and Pruning																						
Layout and Management of Orchards																						
Cultivation of Fruit																						
Management of young plants/orchards																						
Rejuvenation of old orchards																						
Export potential fruits																						
Micro irrigation systems of orchards																						

Plant propagation techniques																						
c) Ornamental Plants																						
Nursery Management																						
Management of potted plants																						
Export potential of ornamental plants																						
Propagation techniques of Ornamental Plants																						
d) Plantation crops																						
Production and Management technology																						
Processing and value addition																						

e) Tuber crops																					
Production and Management technology																					
Processing and value addition																					
f) Spices																					
Production and Management technology																					
Processing and value addition																					
g) Medicinal and Aromatic Plants																					
Nursery management																					
Production and management technology																					
Post harvest technology and value																					

addition																						
III Soil Health and Fertility Management																						
Soil fertility management																						
Soil and Water Conservation																						
Integrated Nutrient Management																						
Production and use of organic inputs																						
Management of Problematic soils																						
Micro nutrient deficiency in crops																						
Nutrient Use Efficiency																						
Soil and Water Testing																						

IV Livestock Production and Management																						
Dairy Management																						
Poultry Management																						
Piggery Management																						
Rabbit Management																						
Disease Management																						
Feed management																						
Production of quality animal products																						
V Home Science/Women empowerment																						
Household food security by kitchen gardening and nutrition gardening																						
Design and development																						

of low/minimum cost diet																						
Designing and development for high nutrient efficiency diet																						
Minimization of nutrient loss in processing																						
Gender mainstreaming through SHGs																						
Storage loss minimization techniques																						
Value addition																						
Income generation activities for empowerment of rural Women																						
Location specific																						

drudgery reduction technologies																						
Rural Crafts																						
Women and child care																						
VI Agril. Engineering																						
Installation and maintenance of micro irrigation systems																						
Use of Plastics in farming practices																						
Production of small tools and implements																						
Repair and maintenance of farm machinery and implements																						

Small scale processing and value addition																						
Post Harvest Technology																						
VII Plant Protection																						
Integrated Pest Management																						
Integrated Disease Management																						
Bio-control of pests and diseases																						
Production of bio control agents and bio pesticides																						
VIII Fisheries																						
Integrated fish farming																						
Carp breeding and hatchery																						

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

Pearl culture																						
Fish processing and value addition																						
IX Production of Inputs at site																						
Seed Production																						
Planting material production																						
Bio-agents production																						
Bio-pesticides production																						
Bio-fertilizer production																						
Vermi-compost production																						
Organic manures production																						
Production of fry and																						

fingerlings																						
Production of Bee-colonies and wax sheets																						
Small tools and implements																						
Production of livestock feed and fodder																						
Production of Fish feed																						
X Capacity Building and Group Dynamics																						
Leadership development																						
Group dynamics																						
Formation and Management of SHGs																						
Mobilization of social capital																						

Entrepreneurial development of farmers/youths																					
WTO and IPR issues																					
XI Agro-forestry																					
Production technologies																					
Nursery management																					
Integrated Farming Systems																					
TOTAL																					
(B) RURAL YOUTH																					
3.3.3. Achievements on Training <u>Rural Youth</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)**																					

Thematic area	No. of Courses/ Prog			Participants			**Grand Total** (x + y)
			Total	**General**	**SC/ST**	**Total**	

	On (1)	Sp On* (2)	(1+2)	Male		Female		Total		Male		Female		Total		Male		Female		Total		
				On (4)	Sp. On (5)	On (6)	Sp. On (7)	On (a= 4+6)	Sp. On (b= 5+7)	On (8)	Sp. On (9)	On (10)	Sp. On (11)	On (c= 8+10)	Sp. On (d= 9+11)	On (4+8)	Sp. On (5+9)	On (6+10)	Sp. On (7+11)	On (x= a +c)	Sp. On (y= b +d)	
Mushroom Production																						
Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable																						

crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						

Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing																						

technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL																						

3.3.4. Achievements on Training of <u>Rural Youth</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes

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

Thematic area	**No. of Courses/ Prog.**			**Participants**																		**Grand Total**
				General						**SC/ST**						**Total**						
				Male		**Female**		**Total**		**Male**		**Female**		**Total**		**Male**		**Female**		**Total**		
	Off	**Sp Off**	**Total**	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	**Off**	**Sp Off***	
Mushroom Production																						

Bee-keeping																						
Integrated farming																						
Seed production																						
Production of organic inputs																						
Integrated Farming																						
Planting material production																						
Vermi-culture																						
Sericulture																						
Protected cultivation of vegetable crops																						
Commercial fruit production																						
Repair and maintenance of farm machinery																						

and implements																						
Nursery Management of Horticulture crops																						
Training and pruning of orchards																						
Value addition																						
Production of quality animal products																						
Dairying																						
Sheep and goat rearing																						
Quail farming																						
Piggery																						
Rabbit farming																						
Poultry production																						
Ornamental																						

fisheries																						
Para vets																						
Para extension workers																						
Composite fish culture																						
Freshwater prawn culture																						
Shrimp farming																						
Pearl culture																						
Cold water fisheries																						
Fish harvest and processing technology																						
Fry and fingerling rearing																						
Small scale processing																						
Post Harvest																						

Technology																						
Tailoring and Stitching																						
Rural Crafts																						
TOTAL																						

C. Extension Personnel

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

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

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

Management																						
Integrated Nutrient management																						
Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						

Care and maintenance of farm machinery and implements																						
WTO and IPR issues																						
Management in farm animals																						
Livestock feed and fodder production																						
Household food security																						
Women and Child care																						
Low cost and nutrient efficient diet designing																						
Production and use of organic inputs																						
Gender mainstreamin																						

g through SHGs																					

3.3.6. Achievements on Training of <u>Extension Personnel</u> in <u>Off Campus</u> including <u>Sponsored Off Campus</u> Training Programmes

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

Thematic area	No. of Courses/ prog.			Participants																		Grand Total
				General						SC/ST						Total						
				Male		Female		Total		Male		Female		Total		Male		Female		Total		
	Off	Sp Off*	Total	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	Sp Off*	Off	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																						

Rejuvenation of old orchards																						
Protected cultivation technology																						
Formation and Management of SHGs																						
Group Dynamics and farmers organization																						
Information networking among farmers																						
Capacity building for ICT application																						
Care and maintenance of farm machinery and implements																						

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

Note: Please furnish the details of above training programmes as 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 training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Plant protection		Vermiculture & vermin production	15/4/16-23/4/16	9	KVK,Thoubal	RY	19		19				19	-	19
		Vermiculture & vermicompost	13/2/2017	1		RY	16		16				16	-	16
Home Sc.		Processing of Tomato	25/4/206	1		RY	11	4	1				11	4	15

		value added products							5						
		Value added products from fruits & vegetables	14-16/09/2016	3		RY	27		27				27	-	27
Horticulture		1)Early production of cole crops	18-7-16	1	Tejpur	PF	7	18	25						25
		2)Cultural practices of rabi crops	26-8-16	1	Khekman	PF	5	27	32						32
		3)INM in cole crops	15-9-16	1	Wangkhem	PF	7	12	19						19
		4)Improved cultivation of garden pea	23-9-16	1	Charangpat	PF	21	13	34						34
		5)Improved cultivation of tomato	10-10-16	1	Langathel	PF	18	2	20						20
		6) Scientific cultivation of onion	13-10-16	1	Sapam mayai leikai	PF	16	11	27						27
		7) Cropping system of vegetable	30-10-16	1	Tentha	PF	11	21	32						32
		8)Scientific cultivation of rabi vegetable	31-10-16	1	Langathel	PF	18	12	30						30
		9)Seed treatment and nursery raising of veg.crops	(24-28)-11-16	5	KVK,Thoubal	RY	95	15	110						110
		10)Scientific cultivation on cucurbits	28-12-16	1	KVK,Thoubal	PF	15	2	17						17

		11)Cultural practices of brinjal	11-1-17	1	Thoubal kshetri leikai	PF	8	17	25						25
		12) INM in veg, crops	21-2-17	1	Keirak	PF	14	6	20						20
		13) Organic farming	16-3-17	1	Charangpat	PF	8	14	22						22
PBG		1)Organic farming	25-6-16	1	KVK, Thoubal	Organization (RY)	1	2	3	1	20	21			24
		2)Training cum method demo of rope preparation for rice seed production	16-9-16	1	Thongjao	PF				20		20			20
		3)Seed production of rice variety CAU- R-1	4-10-16	1	KVK,Thoubal	PF	15	1	16	3	-	3	19		19
		4)Cultivation of winter vegetable	12-10-16	1	Shikhong	PF	6	15	21						21
		5)Rice seed production	14-10-16	1	Leiphrakpam	PF	9	21	30						30
		6)Importance of seed production	31-10-16	1	Heirok	PF	24		24						24
		7)Zero tillage mustard & pre-kharif paddy	25-11-16	1	Langmeithet	RY	20	1	21						21
		8) Zero tillage mustard	30-12-16	1	Irangband	PF	20	6	26						26
		9)Seed production of early paddy RC Maniphou-12	30-1-17	1	Khangabok	PF	20	1	21						21
		10)Seed production of rice	31-3-17	1	Komnao	PF				19	4	23			23

		variety RC Maniphou-12													
Animal Science	Dairy management	Preparation of milk products	12.7.16-15.7.16	3	On campus	Farmers	12	11	23				12	11	23
		Feeding mgmt of dairy cattle	12.9.16	1	On campus	RY	12	12	22				12	12	22

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

Discipline	Area of training	Title of the training programme	Date (From – to)	Duration in days	Venue	Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)	General participants			SC/ST			Grand Total		
							M	F	T	M	F	T	M	F	T
Agronomy		Cultivation of Kharif field crops	18/5/2016	1	Kekru	PF	14	6	20				14	6	20
		Mgt. of Pre-kharif rice	9/5/2016	1	Langmeidong	PF	16	3	19				16	3	19
		Cultivation of Kharif field crops	7/6/2016	1	Charangpat	PF	18	0	18				18	0	18
		System of	28/8/2	1	Heirok	PF	13	2	1				13	2	15

		Rice Intensification	016						5						
		Scientific cultivation of Rabi field crops	12/10/2016	1	Shikhong	PF	7	12	19				7	12	19
		Scientific cultivation of Rabi field crops	5/11/2016	1	Wangmataba	PF	18	0	18				18	0	18
		Scientific cultivation of Rabi field crops	25/11/2016	1	Lanmeithek	PF	21	3	24				21	3	24
		Agricultural prodn. technologies	28/1/2017	1	Hijam Khunou	PF	14	9	23				14	9	23
		Scientific cultivation of Rice	8/8/2016	1	Kiyam Siphai	PF	15	0	15				15	0	15
		Scientific cultivation of maize	24/3/2017	1	Serou	PF	22	0	22				22	0	22

Plant protection		Pest mgmt. of cucurbits	14/4/16	1	Thoubal Wangmataba	PF	16	5	21				16	5	21
		Pest mgmt. of Chilli	14/6/16	1	Wangkhem	PF	18	1	19				18	1	19
		Plant hopper mgmt.	6/8/2016	1	Khongjom Sapam	RY	15	6	21				15	6	21
		Plant hopper mgmt	18/8/16	1	Waikhong	PF	20	3	23				20	3	23
		Pest mgmt.	29/8/16	1	Heirok	PF	24	1	25				24	1	25
		Plant hopper mgmt.	24/9/16	1	Kairen bikhok	PF	46	6	52				46	6	52
		Disease free planting material	28/10/16	1	Wangjing Hodamba	PF	18	2	20				18	2	20

		prodn.													
		Potato seed treatment	6/10/16	1	Kakching Mahadeva loukol	PF	21	0	21				21	0	21
		Mushroom cultivation	30/11/16	1	Lamjao	RY	25	13	38				25	13	38
		Mushroom cultivation	26/12/16 – 28/12/16	3	Phoudel Keiran bikhok	RY	6	20	26				6	20	26
		Mushroom cultivation	29-30/12/16,3/1/17	3	Kiyam Mayai Leikai	RY		20	20					20	20
		Mushroom cultivation	6/1/17	1	Kshetri leikai	RY		18	18					18	18
		Mushroom cultivation	20/3/17	1	Wangkhem	PF	23		23				23		23
Home Sc.		Extraction of Dye	29/6/1	1	Kiyam	PF	2	13	1				2	13	15

		liquor from Solanum Nigrum	6						5						
		Value added products from pineapple	26/7/16	1	Tekcham manin g ching	PF	9	18	27				9	18	27
		Fruit candy preparation	24/8/16	1	Wabagai	PF		21	21					21	21
		Prodn. of fermented soyabean by using starter	26/7/16	1	Athokpam	PF		20	20					20	20
		Post harvest storage technique of fish	12/10/16	1	Charangpat	PF		18	18					18	8
		Spreading tool for grain	4/12/16	1	Wabagai	PF	10	8	18				10	8	18

		Fish salt curing	12/1/17	1	Lousi	PF	15	4	19				15	4	19
		Manually operated tubular maize sheller	8/2/17	1	Kakching	PF	5	16	21				5	16	21
Animal Science	Poulyrt mgmt	Scientific mgmt of poultry	13.4.16	1	Wabagai	Farmers	12	11	23				12	11	23
	Poultry mgmt	Backyard poultry farming	26.4.16	1	Heirok	RY	14	7	21				14	7	21
	Poultry mgmt	Scientific broiler farming	7.6.16-10.6.16	3	Louembam	Farmers									
	Dairy mgmt	Mgmt of dairy cattle to increase fertility	17.8.16 - 21.8.16	4	Wangjing wangkhei	Farmers	16	9	25				16	9	25
	Dairy Mgm	Feeding mgmt of	30.8.16	3	langm	Farmers	13	11	2				13	11	24

	t	dairy cattale			eidong				4						
	Poultry mgmt	Scientific poultry farming	14.9.16 to 16.9.16	2	pallel	RY	3	4	7	8	7	15	11	11	22
	Poultry mgmt	commercial broiler farming	26.11.16-30.11.16	4	Tekcham	Farmers	12	7	19				12	7	19
	Goat mgmt	Scientific goat farming	8.12.16 – 11.12.16	3	Louembam	Farmers	23		23				23		23
	Piggery mgmt	Care and mgmt of piglet	12.1.17 to 13.1.17	2	Thambal chingya	Farmers	15	3	18				15	3	18
	Piggery mgmt	Scientific mgmt of piglet	14.2.17	1	Khekman	RY	17	2	19					2	19

(D) Vocational training programmes for Rural Youth

Crop / Enterprise	Date (From – To)	Duration (days	Area of training	Training title*	No. of Participants									Impact of training in terms of Self employment after training				Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)
					General			SC/ST			Total							
					M	F	T	M	F	T	M	F	T	Type of enterprise ventured into	Number of units	Number of persons employed	Avg. Annual income in Rs. generated through the enterprise	
Home Sc	12-14/9/2016	3		Value added products from fruits & vegetables	4		4		23	23	4	23	27					

*training title should specify the major technology /skill transferred

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

On/ Off/ Vocational	Beneficiary group (F/ FW/ RY/ EP)	Date (From-To)	Duration (days)	Discipline	Area of training	Title	No. of Participants									Sponsoring Agency	Amount of fund received (Rs.)
							General			SC/ST			Total				
							M	F	T	M	F	T	M	F	T		
On	F	(3-7) - 10-16	5	Fisheries	Fish management	Culture of Osteobrama belangeri along with Chinese carp	29	1	30				29	1	30	NFDB	
On	F	(12-16)-10-16	5	Fisheries	Fish management	Culture of seed production of air breathing fishes especially climbing perch	28	2	30				28	2	30	NFDB	
On	F	(6-10)-12-16	5	Fisheries	Fish management	Brood stock mgmt. & quality seed production of endemic carp especially Osteobrama belangeri & Bangana devdevi	27	3	30				27	3	30		

On	**F**	**(3-7)- 1-17**	5	Fisheries	Fish management	Brood stock mgmt. & quality seed production of endemic carp especially Osteobrama belangeri & Bangana devdevi	**23**	**7**	**30**				**23**	**7**	**30**	**NFDB**	
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 2016-17

Sl. No.	**Extension Activity**	**Topic**	**Date and duration**	**No. of activities**	**Participants**											
					General (1)			**SC/ST (2)**			**Extension Officials (3)**			**Grand Total (1+2)**		
					M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
1.	**Advisory services**			**64**	**1156**	**327**	**1483**	**92**	**59**	**151**				**1248**	**386**	**1634**
2.	Diagnostic visit			**164**	**298**	**78**	**376**		**7**	**7**				**298**	**85**	**383**
3.	Field day			**2**	**44**	**14**	**58**	**2**		**2**				**46**	**14**	**60**
4.	Group Discussion															
5.	Kishan Gosthi			**1**	**21**	**12**	**33**							**21**	**12**	**33**
	Kishan Mela															
6.	Film show			1	22	11	33	2	2	4				24	13	37

7.	SHG formation															
8.	Exhibition		23-11-16	126	90	20	110	10		10	4	2	6			126
9.	Scientists visit to farmers fields															
10.	Plant/ Animal Health camp		6-8-16, 20-8-16 (2days)	56	31	10	41	15		15						55
11.	Farm science club															
12.	Ex-trainee Sammelan															
13.	Farmers seminar/ workshop															
14.	Method demonstration	1)Use of drum seeder 2)Chemical castration of piglet 3)Preparation of Milk products 4)Pregnancy diagnosis in dairy cattle using Banuin chloride 5)Potato seed treatment 6)Soybean production by using starter	28-6-16	12	10 15 17 10 10	2 5 5 5 7 23	12 20 22 15 17 23									12 20 22 15 17 23

15.	Celebration of important days															
16.	Exposure visits															
17.	Electronic media (CD/DVD)															
18.	Extension literature			15												
19.	Newspaper coverage															
20.	Popular articles			137												
21.	Radio talk			14												
22.	TV talk			7												
23.	Training manual															
24.	Soil health camp		5-12-16 (1day)													
25.	Awareness camp															
26.	Lecture delivered as resource person			41												
27.	PRA															
28.	Farmer-Scientist interaction															
29.	Soil test campaign															
30.	Mahila Mandal Convener meet															
31.	Any other (Please specify)															
32.																
	Grand Total															

3.5 Production and supply of Technological products during 2016-17

A. SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qt)	Value (Rs.)	Number of recipient/ beneficiaries		
					General	SC/ST	Total
CEREALS	Paddy	Tampha phou, Pari phou, Gin phou, Leima phou, RC Mani 7, RC Man 13, Akut phou, Sana phou, WR15-6-1	9.8	245000			
	Maize	F1	60kg				
OILSEEDS							
PULSES	Pea	Prakash	250				
VEGETABLES							
FLOWER CROPS							
OTHERS (Specify)							

A1. SUMMARY of Production and supply of Seed Materials during 2016-17

Sl. No.	Major group/class	Quantity (ton.)	Value (Rs.)	Number of recipient/ beneficiaries

				General	SC/ST	Total
1	CEREALS					
2	OILSEEDS					
3	PULSES					
4	VEGETABLES					
5	FLOWER CROPS					
6	OTHERS					
TOTAL						

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

Major group/class	Crop	Variety	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
					General	SC/ST	Total
VEGETABLES	**Cabbage**	**KK-689**	**45,000**	**15,000**	**80**	**20**	**100**
	Cabbage	**Wonder**	**42,000**	**14,000**	**100**		**100**
	Cabbage	**BC-76**	**38,000**	**12,667**	**90**	**10**	**100**
	Tomato	**Arka Rakshak**	**32,000**	**16,000**	**60**		**60**
	Chilli	**Arka Meghana**	**25,000**	**12,500**	**55**	**5**	**60**
OTHERS (Pl. Specify)							

B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2016-17

Sl. No.	Major group/class	Numbers (In Lakh)	Value (Rs.)	Number of recipient beneficiaries		
				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 2016-17

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

BIO PESTICIDES								

C1. SUMMARY of production of bio-products during 2016-17

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

D. Production of livestock during 2016-17

Sl. No.	Type of livestock	Breed	Quantity		Value (Rs.)	Number of Recipient beneficiaries		
			(Nos)	Kgs		General	SC/ST	Total
	Cattle/ Dairy	**Local**	**3**	**Milk 1.5 litre / day**				

	Goat	**Non descript**	**27**	**300**	**60000**			
	Piggery							
	Poultry	**kamrupa**	**117**	**267**	**53400**			
		geese	**57**	**10 adult @ 3.5 kg 47 chicks**	**23500**			
	Fisheries							
	Others (Specify)							

D1. SUMMARY of production of livestock during 2016-17

Sl. No.	**Livestock category**	**Breed**	**Quantity**		**Value (Rs.)**	**Number of Recipient beneficiaries**		**Total number of Recipient beneficiaries**
			Nos	**(kg)**		**General**	**SC/ST**	
1	CATTLE	**local**	**3**		**42,000**			
2	SHEEP & GOAT	**Local**	**27**					

3	POULTRY	**Kamrupa**	**607**			**20**	**1**	
4.	PIGGERY							
5	FISHERIES							
6	OTHERS (Pl. specify)							
	TOTAL							

3.6. Literature Developed/Published (with full title, author & reference) during 2016-17

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.):_____March/2016_____

(B) Articles/ Literature developed/published

Item	Title /and Name of Journal	Authors name	Number of copies
Research papers			
1.			
Training manuals			
Technical Report			
1.			
Book/ Book Chapter			
Popular articles	Every Monday at www.huiyenlanpao.com	Dr.M.Thoithoi Singh S.Sumangal Singh, Dr.S.Zeshmarani	Every Monday at www.huiyenlanpao.com

Technical bulletins			
Extension bulletins			
Newsletter	1. Rapseed mustard cultivation under Utera 2. Clean milk production 3. Cultivation of lentil under Utera 4. Organic Dyeing 5. Pre kharif Rice seed production 6. Feeding of broiler 7. Value added products from Soyabean 8. Fish salt curing 9. Scientific cultivation of chick pea 10. Pre kharif SRI in Fish Farn 11. Scientific cultivation of tomato 12. Training and pruning of grapes 13. Post harvest technology of bulb crops 14. Pest management for ladies finger 15. Vermiculture and vermicomposting 16. Rice plant hopper management 17. Designer Egg	Dr. M. Thoithoi Singh S. Sumangal Singh Dr. S. Zeshmarani N. Tomba Singh R.K Lembisana Kh. Premlata	1000
Conference/ workshop proceedings			
Leaflets/folders			3400
e-publications			
Any other (Pl. specify)			

National seminar/ Abstract	1. Scientific cultivation of 'makhyat mubi' a local garden pea intercropped with cabbage 2. A healthy way of raising cabbage nursery 3. Effect of sulphur and Zinc application on yield attributes and yield kharif rice (*Oryza sativa*)	S. Sumangal Kh. Premlata W. Jiten Singh	
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 on horizontal spread of the technologies/Case studies, if any (two or three pages write-up on each case/ successes with suitable action photographs)

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

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

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

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

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

Status of establishment of Lab :

1. Year of establishment :2016
2. List of equipments purchased with amount :1,09,856/-

Sl. No	Name of the Equipment	Qty.	Cost
1	PUSA Digital STFR Meter Kit	1	Rs.53000/-
2	Extra Reagent	100 samples	Rs.14000/-
3	CST@5% and Courier Charge		6150/-
4	Glass distillation unit	1	20640/-
5	Distilled water 5 lit.	10	4700/-
6	Stainless steel sieve 2mm dia. And 0.5 mm	2	7000
7	MVAT @ 13.5%		4366
Total			**109856**

3. Details of samples analyzed (2016-17):

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

2. Details of Soil Health Cards (SHCs) (2016-17)

a. No. of SHCs prepared:……
b. No. of farmers to whom SHCs were distributed:……
c. Name of the Major and Minor nutrients analysed:……
d. No. of villages covered:……..
e. Soil health card based nutrient management in different crops (pl. submit in brief in separate page)

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

Message type	Crop		Livestock		Weather		Marketing		Awareness		Other Ent.		Total	
	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary	No. of Message	No. of Beneficiary
Text only			**14**	**140**							**12**	**96**	**26**	**236**
Voice only														
Voice and Text both														
Total														

3.14 Contingency planning for 2016-17

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 be distributed	No. of programmes to be undertaken	No. of camps to be organized	Proposed number of animals/ birds to be covered through camps	Number of beneficiaries proposed to be covered		
					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)

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

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

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

5.0. LINKAGES ESTABLISHED

5.1 Functional linkage with different organizations

Name of organization	Nature of linkage
1 .NFDB	Training
2.DRDA	Training
3.Horticulture & soil conservation	Training
4.ATMA	Training & demonstration
5.Vety & AH	Training & demonstration

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 2016-17

Name of the scheme	Activity	Date/ Month of initiation	Funding agency	Amount (Rs.)
Water shed	**Training**	**December**	**DRDA**	**60,000**
Training	**Training**	**October**	**NFDB**	**2,07500**

5.3 Details of linkage with ATMA

a) Is ATMA implemented in your district Yes

Sl. No.	Programme	Nature of linkage	Remarks
			No programme so far only farmers along with ATMA officials visit our KVK and KVK officials participated as resource persons as well as annual Mela

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
1	Training	Sponsoring of training and field visit Financial Assistance	1

6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2016-17

6.1 Performance of demonstration units (other than instructional farm)

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

6.2 Performance of instructional farm (Crops) including seed production

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Rice	July	Nov	2.5 ha	HYV	Seed	9.7			
Wheat									

Maize									
Any other									
Pulses									
Green gram									
Black gram									
Arhar									
Lentil									
Ay other									
Oilseeds									
Mustard									
Soy bean									
Groundnut									
Any other									
Floriculture									
Fruits									
Vegetables									
a. Others (specify)									

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

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

6.4 Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed/ species	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Goat farm	Local	Meat/ kids	0ut of 27 3 were sold @ 4000			
2	Poultry	Kamrupa birds	Egg/ meat	Not for sale given to farmers for demonstration			

6.5 Rainwater Harvesting

Training programmes conducted by using Rainwater Harvesting Demonstration Unit

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

6.6. Utilization of hostel facilities (Month-Wise) during 2016-17

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*

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

7.3 Utilization of KVK funds during the year 2016 -17

S. No.	Particulars	Sanctioned (in Lakh)	Released (in Lakh)	Expenditure (in Lakh)
A. Recurring Contingencies				
1	**Pay & Allowances**	149.69	149.69	149.89094
2	**Traveling allowances**	2.50	2.50	1.69910
2	**HRD**	1.50	1.50	1.50
3	**Contingencies**	**17.00**	**17.00**	**15.12969**
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees			
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)			
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)			
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)			
G	Training of extension functionaries			

H	Maintenance of buildings			
I	Establishment of Soil, Plant & Water Testing Laboratory			
J	Library			
TOTAL (A)		**170.69**	**170.69**	**168.01879**
B. Non-Recurring Contingencies				
1	**Works**	5	5	5
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**170.69**	**170.69**	**168.01879**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2014 to March 2015	169150	58990		188140
April 2015 to March 2016	188140	190748		378888
April 2016 to March 2017	378888	273212	243786.50	408313.50

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)
Sr. Scientist cum Head

Pl. take maximum care while filling up the annual report format as per instructions so that no column is left blank. Pl. note that any incomplete individual KVK report shall not be considered and will be returned.