LAST DATE FOR SUBMISSION:
15TH SEPTEMBER, 2008

ANNUAL REPORT: 2007-08

KVK, _Thoubal Manipur

Guidelines for filling up the Proforma:

1. This Proforma can also be downloaded from the website **www.icarzcu3.gov.in** Don't type the Proforma again.
2. **Don't change** the page setup of this Proforma under any circumstances. Use the same proforma provided.
3. The Proforma has to be filled up **strictly** in **Arial** font **8** point size in **single** spacing. **Don't use** bold and italics anywhere in the text.
4. The Proforma given below has to be filled up **in full** and no column should be left vacant.
5. If any column appears not applicable to your KVK then it may be filled as '**NA**'. **Don't** use any other abbreviations in such cases.
6. Enter data strictly confirming to the units specified in the Proforma. (Ex: ha, kg, qtl etc) Don't enter data in units such as acres or bighas.
7. Provide atleast **10 action photographs** (JPEG images only) showing OFT, FLD and Training activities as a separate folder with annual report in same CD.

PART – I
(GENERAL INFORMATION)

1. General information about the KVK

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

Complete postal address with Pin Code	Telephone	Fax	E mail
Rice Research Station Wangbal,THoubal 795138	03848-201559		kvkthoubal@gmail.com

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

Complete postal address with Pin Code	Telephone	Fax	E mail
Sanjenthong,Imphal 795001	NIL	Nil	nil

Name of the Programme Coordinator with Landline & Mobile No*

Name of PC	Contacts		
	Residence	Mobile	E mail
Dr. O.Nobo Singh	NIL	0-9856415048	Onobo.singh@gmail.com

= Mandatory and to be provided without fail.

Year of sanction of KVK:2005-06

Staff Position* (As on 30th August, 2008)

No.	Sanctioned posts	Name of the incumbent	Designation	Discipline	Date of joining	Permanent /Temporary
1	Programme Coordinator	Dr.O.Nobo Singh	Programme Coordinator	Soil & Water Conservation	13-06-07	Temporary
2	Subject Matter Specialist	N.Tomba Singh	SMS (Agronomy)	Agronomy	25-07-07	Temporary
3	Subject Matter Specialist	Dr.M.Thoithoi Singh	SMS(Plant Protection)	Plant Pathology	25-07-07	Temporary
4	Subject Matter Specialist	S.Sumangal Singh	SMS(Plant Breeding & Genetics)	PBG	25-07-07	Temporary
5	Subject Matter Specialist	Y.Bedajit Singh	SMS(Fisheries)	Fisheries	12-04-07	Temporary
6	Subject Matter Specialist	Dr.Zeshmarani S.	SMS(Animal Sc.)	Animal Science	12-04-07	Temporary
7	Subject Matter Specialist	Kh.Premlata	SMS (Horticulture)	Horticulture	12-04-07	Temporary
8	Programme Assistant	R.K. Lembisana	Prog.Asst. (Home Sc)	Home Sc.	12-04-07	Temporary
9	Computer Programmer	L.Babita Devi	Prog. Asst (Computer)	Computer	12-04-07	Temporary
10	Farm Manager	W.Jiten Singh	Farm Manager	Agronomy	12-04-07	Temporary
11	Accountant / Superintendent	Ng.Brojendro Singh	Office Suptd. Cum Acct.		01-03-07	Temporary
12	Stenographer	M.Geeta Devi	Jr. Steno cum Computer Operator		12-04-07	Temporary
13	Driver	M.Hemanta Singh	Driver cum Mechanic		12-04-07	Temporary
14	Driver	Th.Tiken Singh	Driver cum Mechanic		03-05-07	Temporary
15	Supporting staff	S.Dhabali Singh	Peon cum chowkidar		12-04-07	Temporary
16	Supporting staff	Mangminthang Zou	Peon cum chowkidar		12-04-07	Temporary

= The staff position should reflect in the quantity and quality of all programmes conducted by KVK in the annual report

Total land with KVK (in ha):

No.	Item	Area (ha)
1	Under Buildings	0.055
2.	Under Demonstration Units	0.016
3.	Under Crops	5.4
4.	Orchard/Agro-forestry	4.529
5.	Others	

Infrastructural Development:

A) Buildings

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 24 month	550(Ground Floor)	76,33,000	Dec. 2007	550(Ist Floor)	Work in good progress
2	Farmers Hostel							
3	Staff Quarters (6)							
4	Demonstration Units (2)							
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor							
8	Farm Go-down							

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero,Diesel Jeep	2006-07	5,08,657		Good
Tractor Complete Set	2006-07	4,35,543		Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Type Writer	Aug. 2007	14,602	Good
Fax			

Details SAC meeting* conducted in the year

No.	Date	Number of Participants	Salient Recommendations	Action taken
1.	14-09-2007	16	Approved Annual Report,Action Plan, seeking cooperation from like dept.	Work started according to action plan
			To conduct OFT on cotton,seed production of crops,patenting	Will be taken up & include in

2.	24-06-08	15	of makhyat mubi , a local pea variety,to include sericulture in the prog. Of kvk,prep. Of success stories of "Punshi Sinta SHG" ,to install soil & water testing lab.	the Annual Action plan 2008-09.

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

2. Details of district (2007-08)

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

No	Farming systems identified
1	Agriculture
2	Agriculture-Horticulture
3	Agriculture-Horticulture-Animal Husbandary
4	Agri-Hort-Fishery
5	Agri-Animal Husbandary-Fishery
6	Agri-Fishery
7	Fishery

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

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

No	Agro-climatic Zone	Characteristics
1	Sub tropical plain zone	The agro –climatic zone of the THOUBAL district may be characterized by diverse soil type ranging from Clay,clay loam,silly loam to peat and muck soil;high rainfall and high relative humidity with distinct temperature variation between summer and winter; wide cultural diversity; with different cropping pattern from fruits (pineapple,banana,mango),vegetables (cauliflower,cabbage,brinjal,tomato),paddy,pulses and oilseeds,fish and farm animals.The district has the following topographical structures:- upland,medium land,lowland and shallow lakes.

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

No	Agro ecological situation	Characteristics
1	Medium plain,clay/clay loam	This agro-ecological situation mainly comprises the foothills having well drained fine soils on foothills having loamy surface with moderate erosion and slight stoniness
2	Marshy land,clay/clay loam	This may be characterized by organic soils such as pit ,muck and clay to clay loam
3	Corrugated semi upland,sandy –soil	The characteristics of this AES is somewhat excessively drained,fine soils steeply sloping side slopes of hillocks having clayey surface with moderate to severe erosion associated with deep well drain fine silty soils on moderately sloping side slopes of hillocks with moderate erosion.

Soil type/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 level to nearly level valleys having clayey surface with very slight erosion,ground water table between one to two metres 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 ,mollic Haplaquepts	Deep,Very poorly drained,very fine soils on nearly level valleys having clayey surface with very slight erosion,ground water level between one metre 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 metres of the surface and slight flooding.	22,373.8
5.	Fine ,Typic Hapludalfs,Fine Silty Typic Haplumbrepts	Deep,somewhat excessively drained,fine soils on steeply 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

Area, Production and Productivity of major crops cultivated in the district (Enter data strictly in ha, qtl and qtl/ha respectively)

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	725,000	29.00
	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 oil seeds	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

*** = no change of unit is allowed**

Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
September 2007	191.0	27.8	20.9	79.7
October	178.0	26.9	18.3	81.5
November	100.0	24.1	13.6	74.1
December	54.0	21.1	6.6	75.0
January 2008	34.2	18.4	7.8	74.4
February	21.0	21.2	7.1	70.9
March	69.6	24.9	12.5	70.2
April	17.8	28.8	15.6	58.9
May	94.6	29.0	19.3	69.6
June	260.2	28.6	21.3	80.3
July	210.2	28	22.2	84.15
August	245.7	28.5	22.5	83.05

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

Category	Population	Production	Productivity
Cattle			
Crossbred	7946 Nos.	95,352 Ltr.	12 Lt/ Cow /day
Indigenous	23,717 Nos.	35575.5 Ltr.	1.5 Ltr. / Cow /Day
Buffalo			
Sheep			
Crossbred			
Indigenous			
Goats			
Pigs			
Crossbred	1720 Nos.	2,23,600 Kgs.	130 Kgs / Unit
Indigenous	4875 Nos.	1,95,000 Kgs,	40 Kgs/ Unit.
Rabbits			
Poultry			
Hens	64,254	1,92,76,200 Eggs	300 Eggs / hen /Annum.
Desi			
Improved			
Ducks			
Turkey and others	9787	25,44,620 Eggs	260 eggs /Annum.
Fish	-	4880 Mt.	10 Mt /ha.
Marine			
Inland			
Prawn			
Scampi			

Shrimp			

Details of Operational area / Villages (2008-09)

No	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1	-	Thoubal	Thoubal	Paddy	Pest & disease,Varietal admixture.	Seed production of paddy pulses.
			Wangjing	Paddy	Pest disease, Varietal admixture.	Integrated pest management.
			khangabok	Paddy	Pest disease, Varietal admixture.	Crop rotation of paddy with pulses / oilseeds.
			Yairipok	Paddy	Varietal admixture rainfed.	Seed production of paddy
			Leishangthem Tentha	Fish Paddy, Fish	Disease Pest & Disease, Disease of fish.	Integrated nutrient Management.
2	-	Kakching	Kakching khullen	Paddy	Pest & Disease	Integrated pest management
			Wabgai	Vegetable	Crop failure due to ignorance of appropriate variety with respect to season, in-judicious use of pesticides.	Emphasis on cole crops.
			Lamjao Hiyanglam	Paddy Fish	Pest & Disease, Disease of fish.	Integrated pest management, Disease management of fish

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

Rank	Thrust area
I	Quality seed production of existing rice varieties (HYV) ,vegetable crops,fish and livestocks.
Ii	Integrated farming system
iii)	Rain water harvesting
iv)	Off-season vegetable production
v)	Value addition of crops and enterprises

PART – II
(OFT AND FLD)

3. Technical achievements

Abstract of interventions undertaken

No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions (if any)					
				Title of OFT	Title of FLD	Title of Training	Title of training for extension personnel	Extension activities	Supply of seeds, planting materials
1	Oilseed production	Groundnut,soybean,mustard	Untimely planting,broadcasting,less intercultural operation		Oilseed production	Improved cultivation practice		Group & method demonstration	Seed,fertilizer & PP chemical
2	Pulse production	Pea,blackgram	Untimely planting		Pulse production	Improved cultivation practice of pulse.		-do-	-do
3	Seed production of pulse	Pea	Untimely planting, spacing, rogueing, picking.		Seed production of pea	Rogueing, harvesting,thrasting, storage of pea.		-do-	-do-
4	Introduction of Broccoli	Broccoli	Suitabality , consumer preference.	Introduction of Broccoli	-	Introduction of Broccoli		-	Seed.
5	Control of DBM in cabbage through intercropping.	Cabbage+ Tomato	DBM problem (Diamond Black Moth) on cabbage	Control of DBM in cabbage through intercropping.	-	Control of DBM in cabbage through intercropping.	-	-do-	Seed, fertilizer.
6	Control of DBM in cabbage, through trap crop (mustard)	Cabbage+ mustard	DBM (Diamond Black Moth) on cabbage	Control of DBm in cabbage through trap crop.		Control of DBM in cabbage through trap crop.	-	-	Seed fertilizer
7	Fodder (Oat)	Oat	Lack of quality feed, suitability	Fodder production		Introduction of quality fodder crop (oat)			Seed
8	Composite fish culture	Six spp. Of fishes.	Seekage of pond water		Composite fish culture			Training on composite fish culture	Feed & lime
9	Breeding & seed production of indigeneous fish	Anabas testudinious	Low survival of post larva	Breeding & seed production of Anabas testudinious		Breeding & seed production of Anabas testudinious			Broodstock hormone & Happa
10	Eel culture	Eel	Captured system of eel instead of culture system	Eel culture (Monopterus abbus)		Eel culture			Eel culture
11	Fodder Production	Fodder	Lack of quality feed	Fodder production		Demonstration of fodder crop for better feed			Seed fertilizers

Results of On Farm Trials

Crop/ enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*
1	2	3	4	5
Broccoli	Irrigated	No	Introduction of Broccoli	2
Cabbage + Tomato	Irrigated	No	Control of DBM of cabbage through intercropping with tomato	1
Cabbage + mustard	Irrigated	No	Control of DBM of cabbage thgrough trap crop with mustard	2
Fish	Irrigated	Low survival of post larvae	Breeding & seed production of Annabas testudinious	1
Eel culture	Irrigated	No	Eel culture	3
Paddy	Irrigated	Problem of cut worm, stem borer	System of rice intensification (SRI)	2
Paddy	Rainfed	No	Balance fertilization of NPK.	2
Paddy	Rainfed	No	Hybrid rice cultivation technology	4
Paddy	Rainfed	No	Integrated Pest management	3
Pig	-	Inadequate feed utilization	Low cost feed utilization in pig	2
Poultry	-	Unavailability of feed	Potentials of Girriraja farming	5

** No. of farmers*

Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment
6	7	8	9
Introduction of Broccoli	Agroclimatic suitability &	Yield-normal Head	Yield-normal , climatically

	yielding capacity,consumer preference.Head size,weight, crop duration	weight-0.5kg crop duration-normal (70days)	suitable to grow, preferred by consumer .
DBM control through intercropping	Pest incidence, yield in comparision to conventional method.	Yield of sole cabbage-40,000kg, yield of tomato-26,000kg, yield of component cabbage-21,000kg, Tomato-22,000kg Total-43,000kg	Increase in yield without pesticide residue.
DBM control through trap crop.	Pest incidence,yield in comparison to conventional method	Yield of cabbage 40,000 kg	Yield at par with normal,without any pesticide residue
Breeding & seed production	Different dose of Ova-FH,No. of spawn.	50,000 spawn from 100gm fish.	50,000 spawn from 100gm fish, 10,000 survival upto fingeringling.
Eel culture	Growth	Data awaited	Results awaited.
SRI	leaf size,tiller no., plant height,flag leaf,grain/ panicle, test wt. no. of filled grains/ panicle. Test weight crop duration, root generation, root length, yield	Tiller no.-30nos.at 20DAT, others awaiting.	Results awaited.
Balance NPK	Tiller no. yield parameter.	Awaited.	Results awaited
Hybrid rice	-do- + consumer preference, crop duration.	Awaited	Results awaited
IPM on rice	Yield, cost of cultivation, minimization of residual effect of PP chemicals.	Data awaited	Results awaited
Feed utilization	Growth, cost, yield	Data awaited	Results awaited
Unavailability of feed.	Growth, cost, yield	Data awaited	Result awaited

Feedback from the farmer	Any refinement done	Justification for re
10	11	12
Preferred by the consumer, revenue generated,can be used as alternative to other cole crops e.g.cabbage, cauliflower. Fetches better than cauliflower & cabbage of the reason.	No	NA
Readily accepted in addition,the technology has spread to neighbouring areas.	No	NA
Readily accepted, in addition the technology has spread to neighbouring areas.	No	NA
Wants to practice in large scale, high mortality, in post larvael stage.	Using small plastic tub size 2ft.diameter & 8 inch depth instead of Happa or tank.	Portable and small farmers can afford.
Awaited	NA	NA
Problem of stem borer,rat & cut worm at present.	NA	NA
Awaited	NA	NA
Awaited	NA	NA

Technology Assessed / Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16
A	13,608 kg/ha	281,265	5.77
A	Sole cabbage-40,000kg/ha Sole tomato-26,000kg/ha Component;cabbage-21,000kg/ha Tomato-22,000kg/ha Total-43,000kg/ha	5,04,063 from intercrop	5.66
A	40,000kg	1,81,063	4.07
Plastic tub instead of the happa or tank	50,000 spawn per 100 gm fish	4579.60	10.87
	-	-	-
Under assessment			
Under assessment			
Under assessment			
Under assessment			
Under assessment			
Under assessment			

**Field crops – kg/ha, * for horticultural crops -= kg or 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*

Notes:
Technology Assessment refers to any technology (preferably new) going for assessment through OFT for the first time in a micro location.
Technology Refinement refers to an already assessed technology getting refined through OFT to suit micro location needs for later demonstration.
If any OFT was conducted for refinement, kindly mention whether the technology was assessed earlier or not. If not, provide reasons.
Technologies older than 5 years have to be preferably avoided for OFTs.

Examples:
Technology selected for assessment (and/or) refinement (Ex: Rice Var: XXXXXX)
Source of technology with year of release (Ex: ICAR RC NEH, Barapani, 2007)
Production system and thematic area (Ex: Crop production & Weed management)
Performance indicators of the technology (Ex: Yield, Shelf life etc)

Achievements of Frontline Demonstrations

Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2007-08 and recommended for large scale adoption in the district

No	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
				No. of villages	No. of farmers	Area in ha
1	Oilseed production	Improved cultivation of oilseed (Groundnut,soybean,mustard)	Line sowing, proper fertilization,irrigation and weed management	14	16	5.0
2	Pulse production	Improved cultivation of pulse (pea,Black gram)	-do-	12	19	15.0
3	Seed production of pea	Technology of seed production	Line sowing, fertilizer management, irrigation, rogueing, picking	2	2	1.0
4.	Fodder	Cultivation of fodder oat	Fodder cultivation for better feed	2	2	1.0

** Thematic areas as given in Table on Training*

Details of FLDs implemented during 2007-08 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area (ha)		No. of farmers/demonstration			Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Groundnut	Oilseed production	Improved cultivation practice	Kharif 2007	-	3		10	10	NA
2	Soybean	Oilseed production	-do-	Kharif 2007	-	2		6	6	NA
3	Blackgram	Pulse production	-do-	Kharif 2007	-	4		8	8	NA

4	Mustard	Oilseed production	-do-	Rabi 2007	5	5		10	10	Due to late sowing because of late harvesting of paddy, yield of mustard was less.
5	Pea	Pulse production	-do-	Rabi 2007	5	5		10	10	Due to late sowing because of late harvesting of paddy, yield of pea was less
6	Oat	Fodder production	-do-	Rabi 2007	1	1		2	2	NA

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P	K					
Ground nut	Kharif	Rainfed	Clay-loam				Vegetable	2nd to 3rd wk of july	2nd to 3rd wk of oct	701.8	60
Soybean	Kharif	Rainfed	Clay-loam				Vegetable	2nd to 3rd wk of july	2nd to 3rd wk of oct.	701.8	60
Blackgram	Kharif	Rainfed	Clay-loam				Vegetable	2nd to 3rd wk of july	1st wk of sep	701.8	60
Mustard	Rabi	Rainfed	Clay-loam				Paddy	4th wk of nov to 4th wk of dec	4th wk of feb to 4th of march	105.2	12
Pea	Rabi	Rainfed	Clay loam				Paddy	-do-	4th wk of feb to 4th wk of mar	115.4	14
Fodder	Rabi	Rainfed	Clay loam				Paddy	31-1-08	2nd wk of march	115.4	14

Performance of FLD

No	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)
1	2	3	4	5	6
1	Groundnut	Improved cultivation practice of groundnut	TAG-24	10	3
2	Soybean	Improved cultivation practice of soybean	IS-335	6	2
3	Blackgram	Improved cultivation practice of blackgram	T-9	8	4
4	Mustard	Improved cultivation practice of mustard	M-27	10	5
5	Pea	Improved cultivation practice of pea	Rachna	10	5
6	Fodder oat	Fodder cultivation	Oat	2	1

NB: Attach few good action photographs

Demo. Yield Qtl/ha			Yield of local Check Qtl./ha	Increase in yield (%)	Data on parameter in relation to technology demonstrated	
H	L	A			Demo	Local
7	8	9	10	11	12	13
-	-	15.20	10.30	47.57	Yield- 15.20	10.30
	12.90		8.50	51.76	12.90	8.50
	8.30		5.40	53.70	8.30	5.4
	7.18		6.57	9.28	7.18	6.57
	8.08		7.45	8.46	8.08	7.45
-	15.00	-	-	-	15.00	-

Economic Impact (continuation of previous table)

Average Cost of cultivation (Rs./ha)		Average Gross Return (Rs./ha)		Average Net Return (Profit) (Rs./ha)		Benefit-Cost Ratio (Gross Return / Gross Cost)
Demonstration	Local Check	Demonstration	Local Check	Demonstration	Local Check	
14	15	16	17	18	19	20
9,500/-	8,000/-	38,000/-	25,750/-	28,500/-	17,750/-	4.00
9,000/-	7,000/-	25.800/-	17,000/-	16,800/-	10,000/-	2.77
7,000/-	6,500/-	17,600/-	10,800/-	10,600/-	4,300/-	2.23
8,000/-	6,500/-	11,770/-	9,855/-	3,777/-	3,355/-	1.45
10,500/-	9,000/-	20,200/-	18,625/-	9,700/-	9,600/-	1.92

Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).

Crop	Season	Component	Farming situation	Average yield (q/ha)	Local check (q/ha)	Percentage increase in productivity over local check
Groundnut	Kharif 07	1. Seed/Variety – TAG-24,	Rainfed	15.20	10.30	47.57
		2. Bio-fertilizer				
		3. Fertilizer management				
		4. Plant Protection				
		5. Combination of components (Pls specify)				
Soybean	Kharif 07	1. Seed/Variety – JS-335	Rainfed	12.90	8.50	51.76
Blackgram	Kharif 07	1. Seed/Variety-T-9	Rainfed	8.30	5.40	53.72
Mustard	Rabi 07	1. Seed/Variety-M-27	Rainfed	7.18	6.57	9.28
Pea	Rabi 07	1. Seed/Variety-Rachna	Rainfed	8.08	7.45	8.46
Oat(fodder)	Rabi 07	1. Seed/Variety-Kent	Rainfed	15.00	NA	NA

Technical Feedback on the demonstrated technologies

No	Feed Back
1	Line sowing with proper row to row and plant to plant spacing is encouraging as it not only give space for each plant but also makes the farmers easy and less time consuming in respect intercultural operations like weeding, earthing up in case of groundnut, fertilizer management require less quantity of seed for sowing, proper germination,etc. Need tools & implements for sowing of pulses & oilseeds rainfed nature makes yield low. Biofertilizer unavailability is a problem.
2	

Farmers' reactions on specific technologies

No	Feed Back
1	Varieties use in demonstration are high yielding adaptive to local situation, sowing & other intercultural operations are easy to manage,less labour is required etc. Need improved cultivation technique for growing pulses & oilseeds.
2	

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

FLDs are conducted only on proven technologies.
FLDs are conducted on previously assessed/refined technologies which are found suitable for the KVK district.
Only latest technologies have to be selected for FLDs (Preferably less than 5 years old).

Examples:
Same as in case of OFTs
Extension and Training activities under FLD

No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	-			
2	Farmers Training	5	12-7-07 14-7-07 16-7-07 28-11-07 24-12-07	Total-55	Need certified & specific var. of pulses & oilseed,like to take up in large areas,planting delay due to rain,lack of timely irrigation makes yield less,dry spell during critical stage occurs
3	Media coverage				
4	Training for extension functionaries				

Details of FLD on Enterprises

(i) Farm Implements

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

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

(ii) Livestock Enterprises

Enterprises	Breed	No. of farmers	No. of animals, poultry birds etc.	Performance parameters / indicators	* Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		

** Milk production, meat production, egg production, reduction in disease incidence etc.*

(iii) Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers	No. of Units	Performance parameters / indicators	Data on parameter in relation to technology demonstrated		% change in the parameter	Remarks
					Demon.	Local check		
Fish	**Rohu,catla,mrigal,common carp,silver carp,grass carp in composition**	**2**	**2**	**Better growth & feed utilization**	**232 gm/fish during six months**	**180 gm/fish during six months**	**28.88**	**Farmers give emphas mostly in grass calf f feeding and stockin without considering other species**
Paddy cum Piscean culture	Paddy + fish(Rohu,Mrigal,common carp)	1	1	-	-	-		Still undergoing

PART – III
(TRAINING PROGRAMMES)

4. Details of training programmes conducted during 2007-08 (Including the sponsored and FLD training programmes):

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

On Campus:

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management											
Nutrient Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management											
Seed production	**2**	**28**	**6**	**34**	**5**		**5**				**39**
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 production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
b) Fruits											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	**1**	**15**	**3**	**18**							**18**
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
f) Spices											
Production and Management technology											
Processing and value addition											
g) Medicinal and Aromatic Plants											

Nursery management											
Production and management technology											
Post harvest technology and value addition											
III Soil Health and Fertility Management											
Soil fertility management											
Soil and Water Conservation											
Integrated Nutrient Management											
Production and use of organic inputs											
Management of Problematic soils											
Micro nutrient deficiency in crops											
Nutrient Use Efficiency											
Soil and Water Testing											
IV Livestock Production and Management											
Dairy Management	**1**	**16**	**4**	**20**							**20**
Poultry Management											
Piggery Management											
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products	**2**	**40**		**40**							**40**
V Home Science/Women empowerment											
Household food security by nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
VI Agricultural Engineering											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technologies											
VII Plant Protection											
Integrated Pest Management											
Disease Management	**1**	**20**		**20**							**20**
Bio-control of pests and diseases	**1**	**18**		**18**							**18**
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming	**1**	**20**	**5**	**25**							**25**
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture	**1**	**24**	**1**	**25**							**25**
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(Fish health management)	**1**	**25**		**25**							**25**
Edible oyster farming											
Pearl culture(Breeding & seed prodn. Of carps)	**1**	**13**	**3**	**16**							**16**
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
X Capacity Building and Group Dynamics											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)(Rice varieties of Manipur)	**1**	**15**	**5**	**20**							**20**
TOTAL	**13**	**234**	**27**	**261**	**5**		**5**				**266**
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	**1**	**11**	**8**	**9**	**19**						**19**
Training and pruning of orchards											
Value addition											
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture											
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching	**1**		**20**	**20**							**20**
Rural Crafts(Food & nutrition)	**1**	**2**	**18**	**20**							**20**
TOTAL											
(C) Extension Personnel											
Productivity enhancement in field crops											

Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL	**3**	**13**	**46**	**59**							**59**

Off Campus:

Thematic area	**Courses (No)**	**No. of participants**									**Grand Total**
		Others			**SC**			**ST**			
		Male	**Female**	**Total**	**Male**	**Female**	**Total**	**Male**	**Female**	**Total**	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	**1**	**16**	**4**	**20**							**20**
Nutrient Management	**1**	**18**	**5**	**23**							**23**
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management	**1**	**20**		**20**							**20**
Seed production	**1**	**11**	**9**	**20**							**20**
Nursery management	**1**				**10**	**10**	**20**				**20**
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 production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											
b) Fruits											
Training	**1**	**12**	**8**	**20**							**20**
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants	**1**	**18**		**18**							**18**
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	**1**	**19**	**2**	**21**							**21**
Poultry Management	**1**	**16**	**4**	**20**							**20**
Piggery Management											
Rabbit Management											
Disease Management	**2**	**29**	**11**	**40**							**40**
Feed management											
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening											
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	**1**	**12**	**9**	**21**							**21**
Minimization of nutrient loss in processing	**1**				**2**	**18**	**20**				**20**
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition	**1**	**11**	**9**	**20**							**20**
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
VI Agricultural Engineering											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technologies											
VII Plant Protection											
Integrated Pest Management											
Disease Management	**8**	**134**	**28**	**162**							**162**
Bio-control of pests and diseases	**1**	**10**	**10**	**20**							**20**
Production of bio control agents and bio pesticides Weed Management	**1**	**20**		**20**							**20**
VIII Fisheries											
Integrated fish farming(Design,const. & Mgt. of a fish farm)	**1**	**22**		**22**							**22**
Carp breeding and hatchery management											

Carp fry and fingerling rearing	1	19		19	1		1				20
Composite fish culture	1	20		20							20
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes(water quality management)	1	16	4	20							20
Portable plastic carp hatchery											
Pen culture of fish and prawn(Pre & post stocking mgt. of a fish farm)	1	11	9	20							20
Shrimp farming											
Edible oyster farming											
Pearl culture(Fish health mgt.)	1	13	8	21							21
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
X Capacity Building and Group Dynamics											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems (Hybrid rice)	2	2		2	37	1	38				40
XII Others (Pl. Specify)(seed prodn.)	7	88	53	141							141
TOTAL	39	549	173	710	50	29	79				789
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming(Integrated fish farming)	1	21	3	24							24
Seed production											
Production of organic inputs	3	46	19	65							65
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture(cole crop prodn.)	1	9	11	20							20
Protected cultivation of vegetable crops	1	12	8	20							20
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	1	24		24							24
Sheep and goat rearing	1	20		20							20
Quail farming											
Piggery	1	9	11	20							20
Rabbit farming(Disease mgt.)	1	7	13	20							20
Poultry production											
Ornamental fisheries											
Training as Para vets											
Training as Para extension workers											
Composite fish culture	1	15	4	19							19
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing	1	16		16							16
Small scale processing (Child care)	1	8	20	28							28
Post Harvest Technology	2	11	29	40							40
Tailoring and Stitching	1	11	9	20							20
Rural Crafts	1	7	13	20							20
TOTAL	17	216	140	356							356
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL											

Consolidated table (On + Off + Sponsored + Vocational)

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	1	16	4	20							20
Nutrient Management	1	18	5	23							23
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management	1	20		20							20
Seed production	3	39	15	54	5		5				59
Nursery management	1				10	10	20				20
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 production											
Production of export potential vegetables											
Grading and standardization											
Protective cultivation (Green Houses, Shade Net etc.)											

b) Fruits											
Training	**1**	**15**	**3**	**18**							**18**
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards											
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques	**1**	**15**	**3**	**18**							**18**
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants	**1**	**18**		**18**							**18**
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	**2**	**35**	**6**	**41**							**41**
Poultry Management	**1**	**16**	**4**	**20**							**20**
Piggery Management											
Rabbit Management											
Disease Management	**2**	**29**	**11**	**40**							**40**
Feed management											
Production of quality animal products	**2**	**40**		**40**							**40**
V Home Science/Women empowerment											
Household food security by nutrition gardening	**1**							**2**	**18**	**20**	**20**
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet Vegetable cookery.	**1**	**12**	**9**	**21**							**21**
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	**1**	**11**	**9**	**20**							**20**
Value addition											
Income generation activities for empowerment of rural Women											
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care											
VI Agricultural Engineering											
Installation and maintenance of micro irrigation systems											
Use of Plastics in farming practices											
Production of small tools and implements											
Repair and maintenance of farm machinery and implements											
Small scale processing and value addition											
Post Harvest Technologies											
VII Plant Protection											
Integrated Pest Management											
Disease Management	**9**	**154**		**154**							**154**
Bio-control of pests and diseases	**2**	**28**		**28**							**28**
Production of bio control agents and bio pesticides weed management	**1**	**20**		**20**							**20**
VIII Fisheries											
Integrated fish farming	**1**	**20**	**5**	**25**							**25**
Carp breeding and hatchery management	**1**	**13**	**3**	**16**							**16**
Carp fry and fingerling rearing	**1**	**19**		**19**	**1**		**1**				**20**
Composite fish culture	**2**	**44**	**1**	**45**							**45**
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes(pond design & const.)	**1**	**22**		**22**							**22**
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming(Fish health mgt)	**2**	**38**	**8**	**46**							**46**
Edible oyster farming(water quality mgt.)	**1**	**16**	**4**	**20**							**20**
Pearl culture(fish stock mgt)	**1**	**11**	**9**	**20**							**20**
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
X Capacity Building and Group Dynamics											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify) Plant breeding & Genetics. **Hybrid rice** **Seed production** **Rice variety**	**3** 6 1	**15** **63** **15**	**2** **38** **5**	**17** **101** **20**	**37**	**1**	**38**				**55** **101** **20**
TOTAL	**52**	**762**	**148**	**910**	**53**	**11**	**64**	**2**	**18**	**20**	**994**
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming											
Seed production											
Production of organic inputs	**3**	**46**	**19**	**65**							**65**

Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops	**1**	**12**	**8**	**2**							**20**
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	**1**	**11**	**8**	**19**							**19**
Training and pruning of orchards											
Value addition Cole crops.	**1**	**9**	**11**	**20**							**20**
Production of quality animal products											
Dairying	**1**	**24**		**24**							**24**
Sheep and goat rearing	**1**	**20**		**20**							**20**
Quail farming											
Piggery	**1**	**9**	**11**	**20**							**20**
Rabbit farming	**1**	**7**	**13**	**20**							**20**
Poultry production											
Ornamental fisheries Income generating activities	**1**	**7**	**13**	**20**							**20**
Training as Para vets Child guidance.	**1**	**8**	**20**	**28**							**28**
Training as Para extension workers											
Composite fish culture	**1**	**15**	**4**	**19**							**19**
Freshwater prawn culture											
Fish harvest and processing technology											
Fry and fingerling rearing	**1**	**16**		**16**							**16**
Small scale processing (integrated fish farming)	**1**	**21**	**3**	**24**							**24**
Post Harvest Technology	**2**	**11**	**29**	**40**							**40**
Tailoring and Stitching	**2**	**11**	**29**	**40**							**40**
Rural Crafts (Food & nutrition)	**1**	**2**	**18**	**20**							**20**
TOTAL	**20**	**230**	**186**	**416**							**416**
(C) Extension Personnel											
Productivity enhancement in field crops											
Integrated Pest Management											
Integrated Nutrient management											
Rejuvenation of old orchards											
Protected cultivation technology											
Formation and Management of SHGs											
Group Dynamics and farmers organizations											
Information networking among farmers											
Capacity building for ICT application											
Care and maintenance of farm machinery and implements											
WTO and IPR issues											
Management in farm animals											
Livestock feed and fodder production											
Household food security											
Women and Child care											
Low cost and nutrient efficient diet designing											
Production and use of organic inputs											
Gender mainstreaming through SHGs											
Any other (Pl. Specify)											
TOTAL											

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

Date	Clientele	Title of the training	Duration in days	Off / On Campus	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
1/10/07	**PF**	**Cultivation techniques of mustard & rapeseed**	**1**	**on**	**15**	**-**	**15**	**5**	**-**	**5**
27/10/07	PF	Cultivation of potato	1	on	13	6	19			
17/11/07	RY	Use of Rhizobium for pulse crop.	1	off	20	-	20			
29/11/07	RY	Green manuring & its importance in soil fertility management.	1	off	13	15	28			
29/4/08	PF	Raising paddy seedling from nursery.	1	off	10	10	20			
6/5/08	RY	Role of organic manure in crop production.	1	off	13	4	17			
15/5/08	PF	System of rice intensification	1	off	11	9	20			
3/9/08	PF	Fertilizer management in rice	1	off	18	5	23			
5/9/08	PF	Water management in rice	1	off	20		20			
8/9/08	PF	Weed control under different methods of rice cultivation	1	on	10	10	20			
19/12/07	PF	Backyard poultry & its potential & mgt. practices.	1	off	16	4	20			
3-3-07	PF	Strategy for enhancing the milk prodn. Of improved crossbred cattle	1	Off	19	2	2			
10-9-08	PF	Common diseases of poultry,prevention,treatment & vaccination schedule	1	Off	9	11	20			
5-4-08	RY	Management of young calves for profitable dairy farming	1	Off	24	-	24			
24-4-08	PF	Management strategies to enhance reproductive efficiency	1	On	16	4	20			
16-5-08	RY	Care & mgt. of pig	1	Off	9	11	20			
4-6-08	PF	Slaughter of goat, Judging & evaluation of Carcass traits	1	On	20	-	20			
19-6-08	PF	Judging & grading of live pigs	1	On	20	-	20			
31-7-08	RY	Mgt. Practices of Goat	1	Off	20	-	20			
26-6-08	RY	Disease mgt. & vaccination of pigs	1	Off	7	13	20			
10-9-08	PF	Common diseases of goat	1	Off	15	5	20			
29-10-07	RY	Composite fish culture	1	Off	15	4	19			
8-11-07	RY	Integrated fish farming	1	Off	21	3	24			
26-12-07	PF	Design ,construction & mgt. of a fish farm	1	Off	22	-	22			
31-12-07	PF	Scientific fish farming	1	Off	20		20			
3-2-08	RY	Seed prodn of Common carp	1	Off	14		14			
14-3-08	PF	Water quality management	1	OFF	16	4	20			
30-4-08	PF	Pre & post stocking mgt. of a fish farm	1	Off	11	9	20			
10-7-08	PF	Breeding & seed prodn. Technology of commercially impt. Fish species	1	On	13	3	16			
2-8-08	PF	Seed prodn. Of carps	1	Off	19	-	19	1		
30-8-08	PF	Fish health Management	1	Off	12	8	20			
19/12/07	PF	Backyard poultry & its potential & mgt. practices.	1	off	16	4	20			
3-3-07	PF	Strategy for enhancing the milk prodn. Of improved crossbred cattle	1	Off	19	2	2			
10-9-08	PF	Common diseases of poultry,prevention,treatment & vaccination schedule	1	Off	9	11	20			
5-4-08	RY	Management of young calves for profitable dairy farming	1	Off	24	-	24			
24-4-08	PF	Management strategies to enhance reproductive efficiency	1	On	16	4	20			
16-5-08	RY	Care & mgt. of pig	1	Off	9	11	20			
4-6-08	PF	Slaughter of goat, Judging & evaluation of Carcass traits	1	On	20	-	20			
19-6-08	PF	Judging & grading of live pigs	1	On	20	-	20			
31-7-08	RY	Mgt. Practices of Goat	1	Off	20	-	20			
26-6-08	RY	Disease mgt. & vaccination of pigs	1	Off	7	13	20			
10-9-08	PF	Common diseases of goat	1	Off	15	5	20			
29-10-07	RY	Composite fish culture	1	Off	15	4	19			
8-11-07	RY	Integrated fish farming	1	Off	21	3	24			
26-12-07	PF	Design ,construction & mgt. of a fish farm	1	Off	22	-	22			
31-12-07	PF	Scientific fish farming	1	Off	20		20			
3-2-08	RY	Seed prodn of Common carp	1	Off	14		14			
14-3-08	PF	Water quality management	1	OFF	16	4	20			
30-4-08	PF	Pre & post stocking mgt. of a fish farm	1	Off	11	9	20			
10-7-08	PF	Breeding & seed prodn. Technology of	1	On	13	3	16			

		commercially impt. Fish species								
2-8-08	PF	Seed prodn. Of carps	1	Off	19	-	19	1		
30-8-08	PF	Fish health Management	1	Off	12	8	20			
27-10-07	RY	Seed bed preparation & nursery management of veg. crops (onion, cabbage & cauliflower)	1	on	11	8	19			
30-10-07	PF	Diff.techniques of propagation of fruit crops	1	on	15	3	18			
1-3-03	PF	Training & pruining of fruit crops	1	off	12	8	20			
15-12-07	RY	Cultivation of cole crops.	1	off	9	11	20			
16-1-08	PF	Diff. methods of propagation of rose	1	off	18	-	18			
15-3-08	RY	Post harvest management of vegetable crops	1	off	2	18	20			
6-6-08	RY	Production of early cauliflower	1	off	12	8	20			
12-8-08	RY	Harvesting & storage of chilli	1	off	9	11	20			
25-10-07	RY	Construction of garments	1	off	11	9	20			
31-10-07	PF	Food preservation	1	off	11	9	20			
24-11-07	RY	Income generating activities	1	off	7	13	20			
27-12-07	PF	Vegetable cookery	1	off	12	9	21			
12-1-08	RY	Vitamins & its deficiency diseases	1	on	2	18	20			
2-2-08	RY	Fabric printing & dyeing	1	on	-	20	20			
10-4-08	RY	Child Guidance	1	off	8	20	28			
11-6-08	PF	Food science & experimental foods	1	off	-	-	-	2	18	20
24-10-07	PF	Desease mgt.	1	Off	11	7	18			
19-11-07	PF	Disease mgt.	1	Off	13	8	21			
29-12-07	PF	Pest mgt.	1	On	18		18			
11-1-08	PF	Disease mgt.	1	On	20		20			
29-2-08	PF	Bio pesticide	1	Off	23		23			
14-04-08	PF	Weed mgt.	1	Off	20		20			
28-4-08	PF	Pest & Disease mgt.	1	Off	17	3	20			
3-6-08	PF	Disease mgt.	1	Off	14	6	20			
9-7-08	PF	Pest & Disease	1	Off	19	1	20			
28-7-08	PF	Pest & disease survey	1	Off	18	2	20			
15-8-08	PF	Insect & Pest Mgt.	1	Off	10	10	20			
1-9-08	PF	Disease mgt.	1	Off	19	1	20			
18-8-07	PF	Situation specific rice var. of Manipur & their quality farm saved seed prodn.	1	off	20		20			
18-10-07	PF	Rogueing in rice for seed prodn.	1	off	6	15	21			
22-11-07	PF	Identification of rice var. of Manipur	1	on	15	5	20			
28-11-07	PF	Cultivation practices of Pea for seed prodn.	1	off	10	10	20			
3-12-07	PF	Harvesting of rice for seed prodn.	1	off	7	13	20			
14-2-08	PF	Rogueing in pea for seed prodn.	1	off	10	10	20			
19-2-08	PF	Hybrid rice & seed prodn.	1	off	15	5	20			
18-4-08	PF	Hybrid rice & its cultivation	1	off	17	1	18			
20-4-08	PF	Maize seed prodn.	1	off	20		20			
27-8-08	PF	Hybrid rice & its prodn.	1	off	20		20			

(D) Vocational training programmes for Rural Youth

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

(E) Sponsored Training Programmes

No	Title	Thematic area	Month	Duration (days)	Client	No. of courses
					PF/RY/EF	
1	Fish health mgt.	Fish health mgt.	Feb.	5	PF	1
2	Composite fish culture	Composite fish culture	March	5	PF	1
3	Integrated aquaculture	Integrated aquaculture	April	5	PF	1
Total						3

No. of Participants										Sponsoring Agency
Male			Female			Total				
Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
25						25			25	NFDB
24			1			25			25	
20			5			25			25	

PART – IV
(EXTENSION ACTIVITES AND PRODUCTION OF SEED AND PLANTING MATERIALS)

5. Extension Activities conducted in the year 2007-08 (including activities under FLD programmes)

Nature of Extension Activity	No. of activities	Farmers			Extension Officials			Rural Youth			Total		
		M	F	T	M	F	T	M	F	T	M	F	T
Field Day													
Kisan Mela													
Kisan Gosthi													
Exhibition													
Film Show													
Method Demonstrations	**4**	**19**		**19**									
Farmers Seminar													
Workshop													
Group meetings	**4**	**18**		**18**									
Lectures delivered as resource persons	**38**												
Newspaper coverage	**40**												
Radio talks	**13**												
TV talks	**16**												
Popular articles	**47**												
Extension Literature	**7**												
Advisory Services													
Scientific visit to farmers field	**49**												
Farmers visit to KVK	**104**												
Diagnostic visits	**111**												
Exposure visits													
Ex-trainees Sammelan													
Soil health Camp													
Animal Health Camp													
Agri mobile clinic													
Soil test campaigns													
Farm Science Club Conveners meet													
Self Help Group Conveners meetings													
Mahila Mandals Conveners meetings													
Celebration of important days (specify)													
Any Other (Specify)													
Total	**450**	**38**	**36**										

M=Male F=Female T=Total

Production and Supply of Seeds and Planting Materials (2007-08)

Seed Materials

Sl. No.	Crop	Variety	Quantity produced (qtl.)	Value (Rs.)	Quantity supplied (qtl.)	Provided to (No. of Farmers)
Cereals	**Rice**	**Tampha**	**36.10**	**36,100**	**35.00**	**Govt. of Manipur**
					1.10	Farm use
		Pari	0.80	800	0.30	Farmer 1 no
					0.50	Farm use
		Akutphou	2.05	1910	1.35	Farmer
					0.70	Sale as mixed paddy
		Leima	52.00	36,400	52.00	Sale as mixed paddy
		Sana	27.00	18,900	27.00	Sale as mixed paddy
		Lungnila	23.00	16,100	23.00	Sale as mixed paddy
Oilseeds						
Pulses						
Vegetables						
Flower Crops						
Others (Specify)						

Summary

No.	Crop	Quantity produced (qtl.)	Value (Rs.)	Quantity supplied (qtl)	Provided to No. of Farmers
1	Cereals (Rice)	14.095	1,10,210	13.935	Govt. of Manipur,Farmer
2	Oilseeds				
3	Pulses			1.60	Farm use
4	Vegetables				
5	Flower crops				
6	Others				
Total		14.095	1,10,210	14.095	

Planting Materials

Sl. No.	Crop	Variety	Quantity Provided (Nos.)	Value (Rs.)	Quantity supplied (qtl)	Provided to (No. of Farmers)
Fruits						
Spices						
Vegetables						
Forest Species						
Ornamental Crops						
Plantation Crops						
Others (specify)						

Summary

Sl. No.	Crop	Quantity produced (Nos.)	Value (Rs.)	Quantity supplied (qtl)	Provided to No. of Farmers
1	Fruits				
2	Vegetables				
3	Spices				
4	Forest Species				
5	Ornamental Crops				
6	Plantation Crops				
7	Others				
	Total				

Bio-products

Sl. No.	Product Name	Species	Quantity produced		Value (Rs.)	Quantity supplied (qti)	Provided to (No. of Farmers)
			No	(kg)			
Bioagents							
1							
2							
3							

4							
Biofertilizers							
1							
2							
3							
4							
Bio Pesticides							
1							
2							
3							
4							

Summary

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Quantity supplied (qti)	Provided to No. of Farmers
			No	(kg)			
1	Bio Agents						
2	Bio Fertilizers						
3	Bio Pesticide						
	Total						

Livestock

Sl. No.	Type	Breed	Quantity		Value (Rs)	Quantity supplied (qti)	Provided to (No. of Farmers)
			Nos	Kgs			
Cattle							
Sheep and Goat							
Poultry							
Fisheries							
Others (Specify)							

Summary

Sl. No.	Type	Breed	Quantity produced		Value (Rs.)	Quantity supplied	Provided to No. of Farmers
			Nos	Kgs			
1	Cattle						
2	Sheep & Goat						
3	Poultry						
4	Fisheries						
5	Others						
	Total						

Literature Developed/Published (with full title, author & reference)

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

(B) Literature developed/published during 2007-08

Item	Title	Authors name	Number
Research papers	i) Studies on growth performance of Giri raja chicks with different feeding & management practices	S.Zeshmarani	1
	ii)Enzyme activity during dextrous cycle in goat	S.Zeshmarani	1
Technical reports			
News letters			
Technical bulletins			
Popular articles			
Extension literature	i) nursery pond management	Y.Bedajit Singh	1
	ii)Induced breeding of carps	Y.Bedajit Singh	1
	iii)Package of practice of cultivation of Broccoli in Thoubal Dist.	Kh.Premlata Devi	1
	iv)Management of backyard poultry farming	S.Zeshmarani	1
	v)Scientific housing of sty	S.Zeshmarani	1
	Vi.) Food preservation	R.K.Lembisana	1
Others (Pl. 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 during 2007-08 NA

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

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

Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year Conducting FLD on oilseed,pulses,fodder & seed prodn. Of pea
Details of TOT :-

The KVK has conducted OFT and FLD to popularize growing of oilseed ,pulse,fodder & composite fish culture in the disturict in about 45 villages by selecting 35 farmers during kharif and rabi 2007.An OFT on Broccolli was conducted during rabi 2007 which was successful in respect of agroclimatic adaptability yield ,consumer preference.This year ,the KVK is conducting several OFT on rice like system of rice intensification(SRI),balance application of NPK and IPM in which are at present very promising.In respect of livestock and fishery,OFTs on piggery,poultry eel culture,paddy-cum pisciculture are going on in several places of the district.
To encourage the rural youths for self sufficiency,self help groups were formed in several villages by KVK scientist to take up various innovative enterprises.One such SHG " Punshi Sintha SHG" of Tokpa ching of Kakching Khunou has become success in growing Giant Chilly,breeding of carps,and growing of water melon.
The KVK has opened one agriclinic/diagnostic service centre and retail outlet for sale of plant protection chemicals this year.So far, a total of 104 farmers have visited KVK,Thoubal as on 9/9/08 since opening.

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)

Indigeneous Technical Knowledge
Crude Irrigating Device

It is during the course of the KVK,Thoubal's survey throughout the interior villages of the district in search of ITK's practiced by the farmers of this district that a very interesting and useful irrigating device was encountered to be lying un-noticed in one of the villages namely Keirak. The device was developed after a hard and painstaking efforts of many trial and error by a farmer namely Shri Naorem Lukhoi Singh a science graduate report.Considering the worth of the irrigating device,it was feel necessary by the KVK to bring it to light for the benefit of the resource poor farmers of the district and to the entire family of KVK's and the nation as a whole the worth of the device. The device though crude in structure and framework is easy to operate and efficient in use and very cost effective.

A brief outline of the components of the machine:-
1. An unserviceable /serviceable electric water.
2. Old bicycle cranks (3 nos.)
3. Bicycle chain
4. Free wheel (3 nos.)
5. Crown (jeep)
6. Iron framework
7. Saddle.
8. Suction pipe
9. Delivery pipe
10. Pedal (2 nos.)

Principle of the machine :-

Using different pulley system to increase the RPM of the suction device to efficiently lift and deliver water when operated manually with the help of a pair of pedals.

Developmental history of the device

Basically the farmer is the son of a blacksmith who uses a blower to blow the burning charcoal for his work. He minutely observed the working principle of the blower where only a few rotation of the blower handle produces enormous amount of air pressure to the burning charcoal. He applied the same principle and designed the present machine after many failed trials by assembling and fitting the component parts as mentioned above. He took the help of two mechanics of a scooter workshop in welding the component parts into a workable and easy operating system.

Feasibility of the machine

The machine is now in a successfully operating manner and sold 30 machines out of which 7 were sold by the farmer himself and about 23 assembled by the two workshop mechanics.

Capacity of the machine

The machine is capable of irrigating about 6000 no. of cabbage plants in an area of 0.25 has at 1 month old stage of transplanted crop. It takes about only 30 minutes when the crop reaches the age of about 3-4 months stage.

Unique utility feature of the machine

The machine was developed during the period of power failure of about 6 months in the entire village while trying to find out an alternative to electric/ power operated water pump. This machine is especially used during power failures for irrigation vegetable gardens, watering vermicompost units and for lifting water to personal tanks for domestic purposes.However it has been devised to operate both electrically & manually.

Operational cost: In the experience of the farmer the youths of the area- boys and girls are enthusiastic in operating it whenever they see the machine working. They take it as a useful item to exercise to make their body fit. As such, there is no any problem in operating the device in practical use.
KVK, Thoubal is determined to popularize the machine through mass media such as news paper, radio, doordarshan interviews etc. and also by buying a machine for the KVK itself for its own use & demonstration purposes, and requesting other KVKs to purchase are each for the benefit of the designer and above all the resource poor farmers of region.

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Water pump	Pedal operated water pump	Irrigation to vegetable crops

Indicate the specific training need analysis tools/methodology followed for

- **Identification of courses for farmers/farm women Village & family survey,consultation with local leaders & pradhans,diagnostic survey.**
- **Rural Youth - Village & family survey,discussion with local leaders,village headman,NGOs and gram panchayats.**
- **Inservice personnel NA**

Field activities

i. **Number of villages adopted - 25**
ii. **No. of farm families selected - 35**
iii. **No. of survey/PRA conducted - NA**

Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : NA
1. Year of establishment : NA
2. List of equipments purchased with amount : NA

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

Details of samples analyzed so far : NA

Details	No. of Samples	No. of Farmers	No. of Villages	Amount realized
Soil Samples				
Water Samples				
Total				

PART – V
(IMPACT OF KVK ACTIVITIES)

6. Impact of KVK activities (Not to be restricted for reporting period).

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.

Cases of large scale adoption
(Please furnish detailed information for each case below)

Details of impact analysis of KVK activities carried out during the reporting period (Give below)

PART – VI
(LINKAGES WITH OUTSIDE ORGANISATIONS)

7. Functional linkage with different organizations

Name of organization	Nature of linkage
1.Directorate of Agriculture Govt. of Manipur (Host Institute)	Guidance
2.Directorate of Horticulture Govt. of Manipur	Technology
3.Directorate of Vety. & Animal Husbandary	Technology
4.Directorate of Sericulture, Govt. of Manipur	Technology transfer
5.College of Agriculture,Imphal	Sharing Knowledge and expertise in transfer of technology
6.ICAR Research Complex for NEH Region,Umiam,Meghalaya	Knowledge ,Guidance,Technologies,Improved machineries etc.
7. National Fishery Development Board	Undertaking training programmes at the district from the fund provided by NFD.
8.Central institute of Freshwater aquaculture (CIFA),Bhubaneswar	Sharing knowledge and expertise in transfer of technology
9.Central Institute of Fishery Technology (CIFT),Cochin	Sharing knowledge and expertise in transfer of technology
10. ICAR Research Complex,Manipur Centre	Sharing knowledge and expertise in transfer of technology
11.Other KVKs	Discussion and sharing of experiences

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

List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies NA

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

Details of linkage with ATMA

Is ATMA implemented in your district Yes/No - Yes

No.	Programme	Nature of linkage	Remarks

Give details of programmes implemented under National Horticultural Mission NA

No.	Programme	Nature of linkage	Constraints if any

Nature of linkage with National Fisheries Development Board

No.	Programme	Nature of linkage	Remarks
1		Undertaking training programme from the fund provided by NHDB.	Three programmes have already conducted in 2008.

PART – VII
(PERFORMANCE OF INFRASTRUCTURE IN KVK)

8. Performance of infrastructure in KVK

Utilization of demonstration units (other than instructional farm) NA

No.	Demo Unit	Year of estt.	Area	Production			Amount (Rs.)	
				Variety	Produce	Qty.	Cost of inputs	Gross income expected

Utilization of instructional farm (Crops) including seed production

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Production			Amount (Rs.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income
Cereals (Rice)	June 2007	November		Tampha	Seed	36.1		36,100
				Pari	Seed	0.8		800
				Akutphou	Seed			1910
				Leima	Seed	52		36,400
				Sana	Mixed	27		18,900
				Lungnila	Mixed	23		16,100
Pulses								
Oilseeds								
Fibers								
Spices								
Plantation crops								

Floriculture								
Fruits								
Vegetables								
Others (Specify)								

Production Units (bio-agents / bio pesticides/ bio fertilizers etc.) **NA**

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

Performance of instructional farm (livestock and fisheries production)

No	Name of the animal / bird / aquatics	Details of production		
		Breed	Type of Produce	Qty produced
1	Fish		Table fish	Not yet harvested

Utilization of hostel facilities **NA**

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
September 2007			
October			
November			
December			
January 2008			
February			
March			
April			
May			
June			
July			
August			

(for whole of the year)

PART – VIII
(FINANCIAL PERFORMANCE)

9. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	SBI ,Thoubal	Thoubal	11746667259

Utilization of funds under FLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs					
Extension activities					
TA/DA/POL etc.					
Total	29,812	24,344			

Utilization of funds under FLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs		17,938		17,938	
Extension activities		2,562		2,562	
TA/DA/POL etc.		3,844		3,844	
TOTAL	29,812	24,344	29,812	24,344	

Utilization of KVK funds during the year 2007 -08 (previous year)

No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	25,00,000	25,00,000	24,96,828
2	Traveling allowances	1,00,000	1,00,000	1,00,000
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1,20,000	1,20,000	1,18,339
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (Ceiling up to Rs.40/day/trainee be maintained)			
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	4,80,000	4,80,000	4,73,354
	TOTAL (A)	32,00,000	32,00,000	31,88,521

B. Non-Recurring Contingencies				
1	Works(main administrative bldg.)	50,93,000	50,93,000	50,93,000
2	Equipments including SWTL & Furniture			
3	Vehicle (Four wheeler/Two wheeler, please specify)			
4	Library (Purchase of assets like books & journals)			
	TOTAL (B)	50,93,000	50,93,000	50,93,000
C. REVOLVING FUND				
	GRAND TOTAL (A+B+C)	82,93,000	82,93,000	82,81,521

Status of revolving fund (Rs. in lakhs) for the 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 2005 to March 2006	1,00,000	-	-	1,00,000
April 2006 to March 2007	1,00,000	-	-	1,00,000
April 2007 to March 2008	1,00,000	9,400	1,00,000	1,09,400

Please include information which has not been reflected above (write in detail).

Constraints

(a) Administrative
(b) Financial
(c) Technical

Utilization of KVK funds during the year 2008-09 (upto sep. 2008)(current year)

No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	27,00,000	13,50,000	15,57,096 *
2	Traveling allowances	75,000	37,500	37,500
3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1,00,000	50,000	50,000
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (Ceiling up to Rs.40/day/trainee be maintained)	4,00,000	2,00,000	2,50,000**
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)		32,75,000	16,37,500	18,94,596

B. Non-Recurring Contingencies				
1	Works(main administrative bldg.)			
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)		32,75,000	16,37,500	18,94,596

Status of revolving fund (Rs. in lakhs) for the 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 2006 to March 2007	1,00,000	-	-	1,00,000
April 2007 to March 2008	1,00,000	9,400	1,00,000	1,09,400
April 2008 to March 2009	1,00,000	-	95,000	Net income balance will be reflected in the month of March 2009

Please include information which has not been reflected above (write in detail).

Constraints

(a) Administrative
(b) Financial - *Expenditure on salary per month is Rs. 2,59,516/-.Hence, a sum of Rs.2,07,096 is required for payment of salary in addition to Rs. 13,50,000/- which have already sanctioned by the council upto Sep. 2008.
** A sum of Rs.50,000/- is also required in addition to Rs. 2,50,000/- sanction by the council as contingencies charges upto Sep. 2008.
(c) Technical

PART – IX
(SUMMARY OF SCIENTIFIC ACHIEVEMENTS)

Technology Assessment and Refinement

Details of technologies assessed

Technologies Assessed	
Crop/ Enterprise	**Name of the technology**
Cabbage + Tomato	**DBM Control through intercropping**
Cabbage + mustard	**DBM control through intercropping**
Broccoli	**Adaptability,yield,consumer preference Introduction of Broccoli**
Climbing Perch(Anabas testudineus)	
Seed production Induced breeding of Anabas testudineus by using Wova-FH	

Details of technologies refined

Technologies Refined	
Crop/ Enterprise	**Name of the technology**
Climbing Perch	Use of small plastic tubs instead of happa or tank for breeding Induced breeding of Anabas testudineus by using Wova-FH

Abstract on the number of technologies assessed in respect of crops

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	Total
Varietal Evaluation				1						1
Seed / Plant production										
Weed Management										
Integrated Crop Management										
Integrated Nutrient Management										
Integrated Farming System										
Mushroom cultivation										
Drudgery reduction										
Farm machineries										
Value addition										
Integrated Pest Management										
Integrated Disease Management					2					2

Resource conservation technology										
Small Scale income generating enterprises										
Total				1	2					3

Abstract on the number of technologies refined in respect of crops NA

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										

Abstract on the number of technologies assessed in respect of livestock enterprises NA

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

Abstract on the number of technologies refined in respect of livestock enterprises NA

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

Performance of important technologies

Performance of technology assessment

Note: Please provide information on the most successful cases of technology assessment done by your KVK (if any) in the format given below. (Based on data already given on OFTs)

1. Name of technology:

Name of KVK	OFT Title	No. of OFTs	Performance on different parameters				Farmers reaction	Acceptability in existing farming system
			Parameter	Performance of Farmer's practice	Performance of previous technology	Performance of newly assessed technology		
KVK Thoubal	Introduction of Broccoli	2	1)Climatic suitability 2)Yield 3)Consumer preference 4)head size,weight duration of crops 5)BC Ratio	NA	Yield-500-700 gm/head	1) yield on a per with previous technology 2) Climate suitable 3) BC ratio- 5.77 4) Consumer prefer	Ready to adopt	Can replace cauliflower in some pockets
	DBM control through intercropping with tomato	2	1 yield	NA	cabbage-5mt Tomato-5.25 MT	Yield -normal	Ready to accept	Acceptable
			2 damage intensity		negligible	Moderately damage		
			3) pesticide residue		Nil	Present		
			4)quality of product yield		Good without damage symptom & pesticide residue	Poor-with damage symptom & pesticide residue		
			5BC ratio		Ratio-5.66			
	DBM control through trap crop	2	Do	NA	Do	Do	Do	Do
	Breeding & Seed prodn of Anabas testudinious	1	1) Dose of Hormone 2) P.C of hatching 3) Survival of seed 4) B.C ratio	NA	NA	1)0.3 ml/kg body wt 2) > 90% 3)>20% 4) 10.87	Willing to adopt and practice on large scale	Acceptable to small & large scale fish farmers

Add the same table again for details on more technologies (if any)

Performance of technology refinement

Note: Please provide information on the most successful cases of technology refinement done by your KVK (if any) in the format given below. (Based on data already given on OFTs)

1. Name of technology:

Name of KVK	OFT Title	No. of OFTs	Performance on different parameters				Farmers reaction	Acceptability in existing farming system
			Refined Parameter	Performance of Farmer's practice	Performance of assessed technology	Performance of technology after refinement		
			1					
			2					
			3					
			4					
			5					

Add the same table again for details on more technologies (if any)

Frontline Demonstrations

Crops	No. of demonstrations	Area (ha)
Oilseeds Groundnut	10	3
Soybean	6	2
Mustard	10	5
Pulses Blackgram	18	9

Cereals		
Millets		
Cash crops		
Fodder crops oat	2	1
Fruit crops		
Vegetable crops		
Plantation crops		
Spices and condiments		
Flowers and ornamental crops		
Medicinal and aromatic plants		
Fishery Composite fish culture	2	2
Total	**48**	**22**
Enterprises	**No. of demonstrations**	**Units (No.)**
Dairy		
Sheep and goat		
Poultry		
Piggery		
Rabbitary		
Apiculture		
Mushroom units		
Total		
Grand total		

_____

Signature,
Programme Coordinator,
KVK, _____

(Signature not needed in case of soft copy)

Note:

The filled in Proforma has to be emailed to **icar_zcu3@yahoo.co.in** on or before **15th September, 2008**. Also the typed proforma (3 copies) has to be submitted along with soft copy in a CD along with photographs at the Annual Zonal Workshop of KVKs to be held at Itanagar, Arunachal Pradesh during September 2008. The reports will be verified on the spot before submission. **Incomplete and casually filled reports not complying with the given guidelines will not be accepted.** Hence KVKs are requested to take utmost care in filling up the proforma in line with the guidelines provided at the beginning.

Materials to be submitted at Annual Zonal Workshop of KVKs:

1. **3 hard copies of Annual Report 2007-08**
2. **3 hard copies of Annual Action Plan 2008-09**
3. **One CD containing 3 separate folders namely Annual Action Plan 2008-09, Annual Report 2007-08 and Action Photographs.**
   (The folder on action photographs should contain 10 action photos in JPEG format. The photos should be as separate JPEG files and not to be pasted in a single Word file. The name of each JPEG file should indicate the activity in Photograph in detail.)