LAST DATE FOR SUBMISSION:
15TH SEPTEMBER, 2008

ANNUAL ACTION PLAN: 2008-09

KVK, _____Thoubal_____

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.

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:

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

Total land with KVK (in ha):

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	

SAC meetings proposed for the year

	Proposed Date/Month	Expected Participants	Salient Action Points

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

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

No	Agro-climatic Zone	Characteristics
1	Sub 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.

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)

2. Technical activities proposed

Details of proposed On Farm Trials

No	Title of OFTs	Problem diagnosis	Technology selected	Assessment (and/ or) refinement (write A or R)	Source of technology	Year of release	Production system	Thematic area	Performance indicators
1	Improved dual purpose bird (Giriraja)	Poor prodn. Of indigeneous bird	Introdn. & propagation of dual purpose Giriraja	A	ICAR	2008	Poultry prodn.	Poultry prodn.	Meat & egg
2.	Quail farming	Introduction of quail	Introduction & propagation of quail	A	MASTER	NA	Poultry production	Poultry prodn.	Meat & egg
3.	Fresh water pearl culture	Introduction pearl culture	Pearl culture	A	CIFA	2004	Pearl culture in fresh culture mussel inside wooden box	Pearl culture	Size of pearl
4.	Culture of Amblypharyngotonmola	Culture instead of capture	Culture instead of capture	A	CIFA	1997	Culture in paddy field	Culture of indigenous fish	Growth in size population
5.	Integrated nutrient management in rice	Soil health hazard because of chemical fertilizer.	INM using Azotabacter & Azolla	A	ICAR	2004	Crop prodn.	Nutrient management	Soil health, yield
6.	Local cultivar	Late planting, close spacing, powder mildew						Preservation of farmers cultivar	Yield & duration powdering
7.	IPM practices-cultural & Bioenvironmental method of potato	Cut worms,wireworms & white grubs	IPM	A	Central Potato Research Institute Simla	Feb.,2008	Crop Prodn.	Soil insect management	Yield enhancement without chemical residue
8.	Bio control of Pyrilla purpusilla	Pyrilla purpusilla (leaf hopper)	IPM	A	Indian Institute of Sugarcane research Lucknow	Aug. 2008	Crop prodn.	Insect Management	Yield enhancement without chemical residue
9.	Introduction of Chilli variety Dipika(F1 hybrid)	Lack of hybrid chilli	Deepika F1 Hybrid cultivation	NA	Seed- X Korea	2004	Crop Prodn.	Hybrid Chilli Cultivation	Yield suitability

Notes (to be strictly followed in formulation of OFTs):
Technology Assessment refers to any technology (preferably new) going for assessment through OFT for the first time in a micro location.

Technology Refinement refers to an already assessed technology getting refined through OFT to suit micro location needs for later demonstration.
If any OFT is proposed for refinement, kindly mention whether the technology was assessed earlier or not. If not, provide reasons.
Technologies older than 5 years have to be preferably avoided for OFTs.

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

Details of proposed Frontline Demonstrations

No	Title of FLDs	Problem diagnosis	Technology selected	Assessed (and/ or) Refined earlier (write A or R)	Year of assessment / refinement	No. of farmers/demonstrations proposed	Source of technology	Year of release	Production system	Thematic area	Performance indicators
1	Fodder production of Jower	Non availability of quality fodder	Improved fodder production	A	NA	10	ICAR	2008	Fodder prodn.	Fodder Prodn.	Quality & quantity as feed
2	Breeding & seed prodn. Of Anabas testudineus	High mortality of post larvae	Captive breeding of climbing perch Anabas testudineus	A	2008	2	NBFGR	2005	Captive breeding by using OVA-FH and seed production of Anabas testudineus	Breeding of indigeneous fish	Survival of seed
3	Prawn Culture	NA	Prawn Culture	NA	NA	2	CIFA	2001	Prawn Production	Prawn Culture	Growth & Survival
4.	Introduction of Broccoli	NA	Improved Broccoli Cultivation	A	2007	10	ICAR	2006	Broccoli Prodn.	Vegetable Production	Yield,quality
5	Intercropping of Maize with pulses & oilseeds	Poor prodn. Of upland rice	Intercropping of maize with pulse & oilseeds	A	2004	5	ICAR	2006	Crop prodn.	Cropping system	Yield
6	Hybrid rice	Ignorance of hybrid	Hybrid rice varieties PAC-832, PAC-837,PAC-807,CRH-501	A	2006	4	NPL	2007	Crop prodn.		Yield & consumer preference
7	Mustard as a trap crop to control DBM of cabbage	DBM develops resistance to any insecticide,None like chemical residue	IPM	A	2007	4	ICAR	1992	Crop prodn.	Disease management	Yield enhancement without chemical residue
8.	Tomato as intercrop to control DBM of cabbage	DBM develops resistance to any insecticides.Nonelike chemical residue	IPM	A	2007	4	ICAR	1993	Crop Prodn.	Disease Management	Yield enhancement without chemical residue

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 proposed under FLD (if any)

No.	Activity	No. of activities proposed	Date/month	Number of participants expected
1	Field days	1	October	30
2	Farmers Training	3	October	30
3	Media coverage	1	December	
4	Training for extension functionaries			

FLD on Enterprises

Farm Implements

Name of the implement	crop	No. of farmers/demonstrations	Area (ha)	Performance indicators
Manual row seeder	Pulse & oilseeds	5 5	2.5 2.5	Yield,labour efficiency

Livestock Enterprises

Enterprise	Breed	No. of farmers/demonstrations	No. of animals, poultry birds etc.	Performance parameters*

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

Other Enterprises

Enterprise	Variety/ breed/Species/others	No. of farmers/demonstrations	No. of Units	Performance parameters
Mushroom				
Apiary				
Sericulture				
Vermicompost				

Abstract of interventions proposed

No	Thrust area	Crop/ Enterprise	Identified Problem	Proposed Interventions (Give titles)					
				OFTs	FLDs	Trainings	Training for Extn Personnel	Extension activities	Supply of se planting materi

PART – III
(TRAINING PROGRAMMES)

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

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

On Campus

Thematic area	Courses (No)	No. of participants									Grand Total
		Others			SC			ST			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
(A) Farmers & Farm Women											
I Crop Production											
Weed Management	**2**	**20**	**2**	**40**							**40**
Nutrient Management	**1**	**15**	**5**	**20**							**20**
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Integrated Farming systems											
Water management											
Seed production	**1**	**20**		**20**							**20**
Nursery management											
Integrated Crop Management											
Fodder production											
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops	**1**	**10**	**10**	**20**							**20**
Off-season vegetables											
Nursery raising	**1**	**10**	**10**	**20**							**20**
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											
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(Reproductive disorder & its treatment)	**1**	**20**	**-**	**20**							**20**
Poultry Management(Mineral & vit. Deficiency)	**1**	**10**	**10**	**20**							**20**
Piggery Management (orphan piglets)	**1**				**15**	**5**	**20**				**20**
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening	**1**	**10**	**10**	**20**							**20**
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet											
Minimization of nutrient loss in processing	**1**		**20**	**20**							**20**
Gender mainstreaming through SHGs											
Storage loss minimization techniques											
Value addition											
Income generation activities for empowerment of rural Women	**1**					**20**	**20**				**20**
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	**1**	**10**	**10**	**20**							**20**
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											

Bio-control of pests and diseases											
Production of bio control agents and bio pesticides											
VIII Fisheries											
Integrated fish farming(Breeding & seed prodn. Of indigeneous fish)	**1**	**15**	**5**	**20**							**20**
Carp breeding and hatchery management											
Carp fry and fingerling rearing											
Composite fish culture											
Hatchery management and culture of freshwater prawn											
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery											
Pen culture of fish and prawn											
Shrimp farming											
Edible oyster farming											
Pearl culture											
Fish processing and value addition											
IX Production of Inputs at site											
Seed Production											
Planting material production											
Bio-agents production											
Bio-pesticides production											
Bio-fertilizer production											
Vermicompost production											
Other Organic manures production											
Production of fry and fingerlings											
Production of Bee-colonies and wax sheets											
Small tools and implements											
Production of livestock feed and fodder											
Production of Fish feed											
X Capacity Building and Group Dynamics											
Leadership development in villages											
Managing Group dynamics											
Formation and Management of SHGs											
Mobilization of social capital in villages											
Entrepreneurial development of farmers/youths											
WTO and IPR issues											
XI Agro-forestry											
Production technologies											
Nursery management											
Integrated Farming Systems											
XII Others (Pl. Specify)PBG – Short duration rice varieties of Manipur	**2**	**34**	**6**	**40**							**40**
TOTAL	**16**	**174**	**106**	**280**	**15**	**25**	**40**				**320**
(B) RURAL YOUTH											
Mushroom Production(Potato varieties)	**1**	**10**	**10**	**20**							**20**
Bee-keeping Tuber Prodn. Of Potato(TPS)	**1**	**10**	**10**	**20**							**20**
Integrated farming											
Seed production											
Production of organic inputs											
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture(IPM)	**2**	**20**	**20**	**40**							**40**
Protected cultivation of vegetable crops	**1**	**20**		**20**							**20**
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	**1**	**20**		**20**							**20**
Training and pruning of orchards											
Value addition	**1**		**20**	**20**							**20**
Production of quality animal products											
Dairying											
Sheep and goat rearing											
Quail farming											
Piggery											
Rabbit farming											
Poultry production	**1**	**10**	**10**	**20**							**20**
Ornamental fisheries	**1**	**10**	**10**	**20**							**20**
Training as Para vets											
Training as Para extension workers											
Composite fish culture	**1**	**15**	**5**	**20**							**20**
Freshwater prawn culture											
Fish harvest and processing technology	**1**	**5**	**12**	**17**		**3**	**3**				**20**
Fry and fingerling rearing											
Small scale processing											
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts	**1**		**20**	**20**							**20**
TOTAL	**12**	**120**	**117**	**237**		**3**	**3**				**240**
(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											

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											
Nutrient Management(Plant population & Pattern)	**1**	**15**	**5**	**20**							**20**
Resource Conservation Technologies											
Cropping Systems	**1**				**15**	**5**	**20**				**20**
Crop Diversification	**1**	**15**	**5**	**20**							**20**
Integrated Farming systems											
Water management	**1**	**15**	**5**	**20**							**20**
Seed production											
Nursery management											
Integrated Crop Management	**1**	**15**	**5**	**20**							**20**
Fodder production											
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops											
Off-season vegetables	**1**	**15**	**5**	**20**							**20**
Nursery raising											
Exotic vegetables production	**1**	**10**	**10**	**20**							**20**
Production of export potential vegetables	**1**	**10**	**10**	**20**							**20**
Grading and standardization	**1**	**10**	**10**	**20**							**20**
Protective cultivation (Green Houses, Shade Net etc.)Post harvest	**1**	**10**	**10**	**20**							**20**
b) Fruits											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards	**1**							**10**	**10**	**20**	**20**
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
e) Tuber crops											
Production and Management technology											
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**	**15**	**5**	**20**							**20**
Poultry Management											
Piggery Management (Pre weaning mortality)(early weaning)	**2**				**12**	**8**	**20**	**5**	**15**	**20**	**40**
Rabbit Management											
Disease Management											
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**							**10**	**10**	**20**	**20**
Minimization of nutrient loss in processing											
Gender mainstreaming through SHGs											
Storage loss minimization techniques	**1**	**10**	**10**	**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 (Rodent control)	**1**	**10**	**10**	**20**							**20**
Disease Management	**6**	**40**	**40**	**80**	**10**	**10**	**20**	**10**	**10**	**20**	**120**
Bio-control of pests and diseases	**2**	**10**	**10**	**20**	**10**	**10**	**20**				**40**
Production of bio control agents and bio pesticides	**1**	**10**	**10**	**20**							**20**
VIII Fisheries											
Integrated fish farming	**2**	**15**	**5**	**20**	**12**	**5**	**17**	**3**		**3**	**40**
Carp breeding and hatchery management	**1**	**15**	**5**	**20**							**20**
Carp fry and fingerling rearing	**1**	**15**	**5**	**20**							**20**
Composite fish culture											
Hatchery management and culture of freshwater prawn	**1**	**15**	**5**	**20**							**20**
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery(Water quality mgt.)	**1**	**15**	**5**	**20**							**20**
Pen culture of fish and prawn											
Shrimp farming(Fish health management)	**1**	**15**	**5**	**20**							**20**
Edible oyster farming											
Pearl culture	**1**	**10**	**10**	**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											
Biofertilizers in pea	**1**	**15**	**5**	**20**							**20**
Hybrid rice	**1**	**15**	**5**	**20**							**20**
Seed prodn. of pea	**2**	**20**	**20**	**40**							**40**
Seed prodn. Of maize	**1**	**15**	**2**	**17**				**3**		**3**	**20**
Vars. Of cabbage & cauliflower	**1**				**15**	**5**	**20**				**20**
Farm Saved seed of rice	**1**	**15**	**5**	**20**							**20**
Resistant vars. Of rice	**1**	**15**	**5**	**20**							**20**
TOTAL	**42**	**405**	**232**	**637**	**74**	**43**	**117**	**41**	**45**	**86**	**840**
(B) RURAL YOUTH											
Mushroom Production											
Bee-keeping											
Integrated farming system	**1**							**10**	**10**	**20**	**20**
Seed production											
Production of organic inputs	**1**	**15**	**5**	**20**							**20**
Integrated Farming											
Planting material production											
Vermiculture											
Sericulture											
Protected cultivation of vegetable crops											
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops											
Training and pruning of orchards											
Value addition											
Production of quality animal products(Turkey farming)	**1**	**20**		**20**							**20**
Dairying(Management of newborn calf)	**1**	**20**		**20**							**20**
Sheep and goat rearing											
Quail farming(Management of quail farming)	**1**	**20**		**20**							**20**
Piggery(Dewarming in pig)	**1**				**10**	**10**	**20**				**20**
Rabbit farming											
Poultry production(common disease of poultry)	**1**	**10**	**10**	**20**							**20**
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 (Design & dev. Of low min. cost diet)	**1**		**20**	**20**							**20**
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts											
TOTAL	**8**	**85**	**35**	**120**	**10**	**10**	**20**	**10**	**10**	**20**	**160**
(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	**2**	**20**	**20**	**40**							**40**
Nutrient Management	**1**	**15**	**5**	**20**							**20**
Resource Conservation Technologies											
Cropping Systems	**1**				**15**	**5**	**20**				**20**
Crop Diversification	**1**	**15**	**5**	**20**							**20**
Integrated Farming systems											
Water management	**1**	**15**	**5**	**20**							**20**
Seed production	**1**	**20**		**20**							**20**
Nursery management											
Integrated Crop Management	**1**	**15**	**5**	**20**							**20**

Fodder production (Plant population & pattern)	1	15	5	20							20
Production of organic inputs											
II Horticulture											
a) Vegetable Crops											
Production of low volume and high value crops	1	10	10	20							20
Off-season vegetables	1	15	5	20							20
Nursery raising	1	10	10	20							20
Exotic vegetables production	1	10	10	20							20
Production of export potential vegetables	1	10	10	20							20
Grading and standardization	1	10	10	20							20
Protective cultivation (Green Houses, Shade Net etc.)Post harvest	1	10	10	20							20
b) Fruits											
Training											
Pruning											
Layout and Management of Orchards											
Cultivation of Fruit crops											
Management of young plants/orchards											
Rejuvenation of old orchards	1							10	10	20	20
Cultivation of export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Production of export potential ornamental plants											
Propagation techniques of Ornamental Plants											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
e) Tuber crops											
Production and Management technology											
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	5	40							40
Poultry Management	1	10	10	20							20
Piggery Management	3				27	13	40	5	15	20	60
Rabbit Management											
Disease Management											
Feed management											
Production of quality animal products											
V Home Science/Women empowerment											
Household food security by nutrition gardening	1	10	10	20							20
Design and development of low/minimum cost diet											
Designing and development for high nutrient efficiency diet	1							10	10	20	20
Minimization of nutrient loss in processing	1		20	20							20
Gender mainstreaming through SHGs											
Storage loss minimization techniques	1	10	10	20							20
Value addition											
Income generation activities for empowerment of rural Women	1					20	20				20
Location specific drudgery reduction technologies											
Rural Crafts											
Women and child care	1	10	10	20							20
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 (Rodent control)	1	10	10	20							20
Disease Management	6	40	40	80	10	10	20	10	10	20	120
Bio-control of pests and diseases	2	10	10	20	10	10	20				40
Production of bio control agents and bio pesticides	1	10	10	20							20
VIII Fisheries											
Integrated fish farming	2	15	5	20	12	5	17	3		3	40
Carp breeding and hatchery management	1	15	5	20							20
Carp fry and fingerling rearing	1	15	5	20							20
Composite fish culture											
Hatchery management and culture of freshwater prawn	1	15	5	20							20
Breeding and culture of ornamental fishes											
Portable plastic carp hatchery(water quality mgt.)	1	15	5	20							20
Pen culture of fish and prawn											
Shrimp farming(Breeding & seed prodn. Of indigenous fish)	1	15	5	20							20
Edible oyster farming(Fish health management)	1	15	5	20							20
Pearl culture	1	10	10	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 Varieties of rice	**2**	**34**	**6**	**40**							**40**
Biofertilizers	**1**	**15**	**5**	**20**							**20**
Hybrid rice	**1**	**15**	**5**	**20**							**20**
Seed prodn. of pea	**2**	**20**	**20**	**40**							**40**
Seed prodn. Of maize	**1**	**15**	**2**	**17**				**3**		**3**	**20**
Vars. Of cabbage & cauliflower					**15**	**5**	**20**				**20**
Saved seed	**1**	**15**	**5**	**20**							**20**
Resistant vars. Of rice	**1**	**15**	**5**	**20**							**20**
TOTAL	**58**	**579**	**338**	**917**	**89**	**68**	**157**	**41**	**45**	**86**	**1160**
(B) RURAL YOUTH											
Mushroom Production Potao variety	**1**	**10**	**10**	**20**							**20**
Bee-keeping											
Integrated farming system	**1**							**10**	**10**	**20**	**20**
Seed production											
Production of organic inputs	**1**	**15**	**5**	**20**							**20**
Integrated Farming											
Planting material production TPS	**1**	**10**	**10**	**20**							**20**
Vermiculture											
Sericulture IPM	**2**	**20**	**20**	**40**							**40**
Protected cultivation of vegetable crops	**1**	**20**		**20**							**20**
Commercial fruit production											
Repair and maintenance of farm machinery and implements											
Nursery Management of Horticulture crops	**1**	**20**		**20**							**20**
Training and pruning of orchards											
Value addition	**1**		**20**	**20**							**20**
Production of quality animal productsTurkey	**1**	**20**		**20**							**20**
Dairying	**1**	**20**		**20**							**20**
Sheep and goat rearing											
Quail farming	**1**	**20**		**20**							**20**
Piggery	**1**				**10**	**10**	**20**				**20**
Rabbit farming											
Poultry production	**2**	**20**	**20**	**40**							**40**
Ornamental fisheries	**1**	**10**	**10**	**20**							**20**
Training as Para vets											
Training as Para extension workers											
Composite fish culture	**1**	**15**	**5**	**20**							**20**
Freshwater prawn culture											
Fish harvest and processing technology	**1**	**5**	**12**	**17**		**3**	**3**				**20**
Fry and fingerling rearing											
Small scale processing Design & dev. Of low min. cost diet	**1**		**20**	**20**							**20**
Post Harvest Technology											
Tailoring and Stitching											
Rural Crafts	**1**		**20**	**20**							**20**
TOTAL	**20**	**152**	**357**	**297**	**10**	**13**	**23**	**10**	**10**	**20**	**400**
(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											

Vocational training programmes for Rural Youth **Not yet known**

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants		
				Male	Female	Total

*training title should specify the major technology /skill transferred

Sponsored Training Programmes **Not yet known**

No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total
Total																

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

4. Proposed Extension Activities for the year 2008-09 (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	3	15	15	30	20	5	25	15	15	30	30	30	85
Kisan Mela	1												
Kisan Gosthi													
Exhibition													
Film Show													
Method Demonstrations	2	10	5	15				10	5	15			30
Farmers Seminar													
Workshop													
Group meetings													
Lectures delivered as resource persons	80												
Newspaper coverage	70												
Radio talks	30												
TV talks	30												
Popular articles	60												
Extension Literature	24												
Advisory Services													
Scientific visit to farmers field	48												
Farmers visit to KVK	300												
Diagnostic visits	50												
Exposure visits	50												
Ex-trainees Sammelan													
Soil health Camp	2												
Animal Health Camp	2												
Agri mobile clinic	24												
Soil test campaigns													
Farm Science Club Conveners meet													
Self Help Group Conveners meetings	8												
Mahila Mandals Conveners meetings													
Celebration of important days (specify)													
Any Other (Specify)													
Total	834	25	20	45	20	5	25	25	20	45	30	30	115

M=Male F=Female T=Total

Proposed production and supply of Technological products

Seed materials

Sl. No.	Crop	Variety	Proposed Quantity (qtl.)	Value (Rs.)	To be provided to (No. of Farmers)
Cereals	**Rice**	**HYV.**	**264**	**3,60,000**	**Farmers- 400 nos.**
Oilseeds	Mustard	M-27,T-38	5	75,000	Farmers -50
Pulses	Garden pea	Azad	10	25,000	Seed agents-3 nos. Farmers- 20
	Broad bean	Local	1	8,000	Farmers 5
	Makhyat Mubi	Lacal pea	5	50,000	Farmers -10
Vegetables					
Flower Crops					
Others (Specify)					

Planting materials

Sl. No.	Crop	Variety	Quantity (Nos.)	Value (Rs.)	To be provided to (No. of Farmers)
Fruits					
Spices	**Chilly**	**Giant Chilly**	**50,000**	**1,00,000**	**50**
Vegetables					
Forest Species					
Ornamental Crops					

Plantation Crops					
Others (specify)					

Bioproducts

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

Livestock

Sl. No.	Type	Breed	Quantity		Value (Rs.)	To be provided to (No. of Farmers)
			Nos	Kgs		
Cattle						
Sheep and Goat						
Poultry	Fowl	Giriraja strand	30	90 kg(Meat) 4320 eggs	9000 17,280	Sale as meat Sale as egg
Fisheries	Seed	Carps & air breathing fishes	1,00,000		1,00,000	15
Others (Specify)						

Literature proposed to be developed/ published

Item	Title	Number
Research papers		
Technical reports		
News letters		
Technical bulletins		
Popular articles		
Extension literature	IPM on rice	1
	System of rice intensification	1
	Balance application of NPK inrice	1
	Intercropping of maize with pulses & oilseed	1
	Control of DBM through intercropping and trap crop	2
	Hybrid rice cultivation	1
Others (Pl. specify)		
Total		**7**

Details of Electronic Media proposed

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

Field activities proposed

i. Number of villages to be adopted : 40
ii. No. of farm families to be selected : 50
iii. No. of surveys/PRA to be conducted : NA

Proposed activities of Soil and Water Testing Laboratory

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

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

-
-
-
-
-
-
-
-
-
-

PART – V
(LINKAGES WITH OUTSIDE ORGANISATIONS)

5. Proposed Linkages

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

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

List special programmes to be undertaken by the KVK, financed by State Govt./Other Agencies (if any) Not yet known

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

Details of proposed linkage with ATMA

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

S. No.	Programme	Nature of linkage proposed

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

S. No.	Programme	Nature of linkage proposed
1	Infrastructure development	Infrastructure development

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

S. No.	Programme	Nature of linkage proposed

PART – VI
(PERFORMANCE OF INFRASTRUCTURE)

6. Performance of infrastructure in KVK

Proposed utilization of demonstration units (other than instructional farm)

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

Proposed utilization of instructional farm (Crops) including seed production

Name Of the crop	Expected Date of sowing	Expected Date of harvest	Area (ha)	Proposed production			Amount (Rs.)	
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income expected
Cereals Rice	Before 15th july '08	Before Nov. '08	4.5	HYV	Seed	264	1,18,954	3,96,000
Pulses Garden pea	Before 15th nov.'08	Before march '08	0.5	Azad	Seed	10	8000	25,000
Broad bean	Before 15th nov.'08	Before march '08	0.25	Local	Seed	1	4000	8,000
Makhyat Mubi	Before 15th nov.'08	Before march '08	0.25	Local	Seed	5	4000	50,000
Oilseeds Mustard	Before 15th nov.'08	Before march '08	0.5	M-27/T-38	seed	5	5000	10,000
Fibers								
Spices								
Plantation crops								
Floriculture								
Fruits								
Vegetables								
Others (Specify)								

Proposed 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 expected production		
		Breed	Type of Produce	Qty expected
1	Paddy cum pisciculture	Paddy + fish	Paddy – seed Fish - Table fish	Paddy-264 q Fish-200 kg
2	Poultry bird	Giriraja	Meat + egg	Meat – Egg – 1,00,000
3	Fish	Exotic carp	Seed	
4	Pig	Exotic breed	Meat piglets	

PART – VII
(SUMMARY)

7. Summary

Targets for 2008-09 for KVK, _____Thoubal_____

On Farm Trials

Thematic areas	Cereals	Pulses	Vegetables	Fruits	Total
Varietal Evaluation		1	1		2

Integrated Nutrient Management	1				1
Integrated Pest Management			2		2
Biofertilisers					
Water Management					
Fisheries					2
Animal Science					2
Others (Soil Fertility Mgt, Home Sc. Etc)					
Grand total					**9**

FLDs on oilseed and pulse crops

Name of KVK	Oilseeds		Pulses	
	Area (ha)	No. of farmers	Area (ha)	No. of farmers
KVK,Thoubal				
Total				

Training programmes

Area	Farmers/ farm women		Rural youth		Extension personnel	
	Courses	Participants	Courses	Participants	Courses	Participants
Crop Production	9	180	2	40		
Horticulture	8	160	2	40		
Plant Protection	10	200	2	40		
Home Science	6	120	3	60		
Animal Science	6	120	6	120		
Soil Science						
Agril Engineering						
Bee Keeping Fisheries	9	180	3	60		
Mushroom Cultivation						
Agro forestry						
Others PBG	10	200	2	40		
Total	**58**	**980**	**20**	**340**		

Extension Activities

Activity	Nos
Field days	**3**
Kisan Mela	**1**
Exhibition	
Exposure visit	**50**
Extension literature	**24**
Scientist farmers' interaction	**348**
Ex-trainees meet	
Advisory services	
Newspaper coverage	**70**
TV show	
Radio talk	**30**
Others	**166**
Total	**692**

Seed Production

KVK	Quantity (qtl)			
	Cereals	Oilseeds	Pulses	Vegetables
KVK Thoubal	Rice -264	Mustard-5	Pea-15	
			Broadbean-1	
Total	**264**	**5**	**16**	

Planting Materials

KVK	Quantity (nos)			
	Fruits	Vegetable Seedlings	Tree Species	Ornamental Plants
KVK,Thoubal		Giant Chilly-50,000		
Total		**50,000**		

Signature, _____

Programme coordinator,
KVK, _____

(Signature not needed in case of soft copy)

Notes:

The filled in Proforma has to be emailed to **icar_zcu3@yahoo.co.in** on or before **15th September, 2008**. Also the action plan has to be submitted in a CD during the Annual Zonal Workshop of KVKs to be held at Itanagar, Arunachal Pradesh during September 2008. The action plan will be verified on the spot before submission. **Incomplete and casually filled proformas 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.)