

# REVISED PROFORMA FOR ANNUAL REPORT – 2008-09

## 1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
Krishi Vigyan Kendra (KVK), Khawzawl, PO- khawzawl, Distt.- Champhai (MIZORAM)-796310	Office 03831- 261484, 261486	FAX 03831- 261485	<a href="mailto:pckvkkhawzawl@rediffmail.com">pckvkkhawzawl@rediffmail.com</a>  <a href="http://www.kvkkhawzawl.in">www.kvkkhawzawl.in</a>

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

Address	Telephone		E mail
	Office	FAX	
Directorate of Agriculture (R&E) Aizawl, Mizoram- 796 001	0389- 2319025	03831- 2315784	-

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

Name	Telephone / Contact		
	Residence	Mobile	Email
C.Lalthlamuana	03831-261484	09862934732	pckvkkhawzawl@rediffmail.com

### 1.4. Year of sanction:

### 1.5. Staff Position (as on 30<sup>th</sup> September 2007)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale (Rs.)	Present basic (Rs.)	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	C.LALTHLAMUANA	Programme Co-ordinator	Plant Protection	12,000-375-16,500	12,375	17.7.08	Temporary	ST
2	Subject Matter Specialist	MALSAWMKIMI	SMS	Horticulture	8,000-275-13,500	8,000	03.06.09	Permanent	ST
3	Subject Matter Specialist	SAYED KHALIDUDDIN AHMED	SMS	Animal Science	8,000-275-13,500	8,275	26.4.08	Permanent	GENERAL
4	Subject Matter Specialist	Dr. BHANU PRAKASH MISHRA	SMS	Agril. Extension	8,000-275-13,500	8,275	28.4.08	Permanent	GENERAL
5	Subject Matter Specialist	VACANT	SMS	Soil Sc.	-	-	-	-	-
6	Subject Matter Specialist	VACANT	SMS	Plant Protection	-	-	-	-	-
7	Subject Matter Specialist	VACANT	SMS	Home Sc.	-	-	-	-	-
8	Programme Assistant	LALHRUAILUANGI	Programme Assistant	Home Science	5,500-175-9000	5,675	1.7.08	Permanent	ST
9	Computer Programmer	SAMSON SAIRENGPUIA SAILO	Computer Programmer	Computer	5,500-175-9000	5,675	22.4.08	Permanent	ST
10	Farm Manager				5,500-	5,675			GENERAL

		PRAKASH THAPA	Farm Manager	B.Sc (Agri.)	175-9000		25.4.08	Permanent	
11	Accountant / Superintendent	K.VANLALHMANGAIHI	Accountant / Superintendent	-	5,500-175-9000	5,675	29.5.08	Permanent	ST
12	Stenographer	CRUSADE THANGPUII	Stenographer	-	4,000-100-6,000	4,100	29.2.08	Permanent	ST
13	Driver	LALNUNTLUANGA	Driver	-	3,050-70-4,590	3,120	29.2.08	Permanent	ST
14	Driver	R.DENGLIANA	Driver	-	3,050-70-4,590	3,120	9.2.08	Permanent	ST
15	Supporting staff	LALTANPUIA	Supporting staff	-	2,550-65-3,200	2,615	10.7.08	Permanent	ST
16	Supporting staff	LALVENHIMA	Supporting staff	-	2,550-65-3,200	2,615	24.7.08	Permanent	ST

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.31
2.	Under Demonstration Units	11.464
3.	Under Crops	Nil
4.	Orchard/Agro-forestry	Nil
5.	Others (specify)	Nil

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	-	-	-	-	-	Completed
2.	Farmers Hostel	ICAR	-	-	-	-	-	Under construction
3.	Staff Quarters (6)	ICAR	-	-	-	-	-	Completed
4.	Demonstration Units (2)	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Gypsy	-	-	-	Running condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
LCD projector	Sept,2008	-	Good
Xerox machine	Sept,2008	-	Good
Computer	Sept,2008	-	Good
Seed analyzer	Sept,2008	-	Good
Refrigerator	Sept,2008	-	Good
Incubator	Sept,2008	-	Good
Oven	Sept,2008	-	Good
Grinder	Sept,2008	-	Good
Laptop	Sept,2008	-	Good
T.V.	Sept,2008	-	Good
A.C.	Sept,2008	-	Good

1.8. A). Details SAC meeting\* conducted in the year: Not Applicable

Sl.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.		1. .... 2. .... 3. .... 4. .... 5. ...	1. .... 2. ... 3. .... 4. ... 5. ...	1. .... 2. ... 3. .... 4. ... 5. ...
2.				

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

## **2. DETAILS OF DISTRICT (2006-07)**

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

S. No	Farming system/enterprise
1.	Horticulture + Hybrid maize + Animal Husbandry- Highland ( >1250m MSL)
2.	Jhum Paddy + Vegetable + Animal Husbandry- Midland ( 900- 1250 m MSL)
3.	Wetland Rice + Fish + Winter Vegetables - Low land ( < 900 m MSL)

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

S. No	Agro-climatic Zone	Characteristics
1.	Sub- tropical/ Sub- temperate/ Humid	Some parts of the district like Ngopa & Khawzawl block experienced all the three seasons i.e. winter, summer and rains, while in the Champhai valley the temperature ranges from 1-7 <sup>0</sup> C for a longer period during winters. All crops severely affected due to the frosty weather. The relative humidity of the reason is higher due to the heavy rains 2500 mm annually .

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Black Soils		36550 ha
2	Red Soils		89600 ha

3	Alluvial Soils		31000 ha
4	Sandy soil		3600 ha
5	Acid Soils		89600 ha

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

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl /ha)
1	Jhum Paddy	5610	8975	16.00
2	Paddy (WRC)	4809	10685	22.21
3	Maize	2050	4311	21.00
4	Turmeric	392	4041	103.09
5	Ginger	2350	2382	100.00
6	Passion fruit	2484	2486.5	10.00
7	Grapes	447.5	2398	53.50
8	Banana	814	8954	1100.00
9	Pulses	692	849	12.26
10	Potato	138	1012	73.33

#### 2.5. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January	5100	-	-	-
February	800	-	-	-
March	6900	-	-	-
April	13700	-	-	-
May	31700	-	-	-
June	27100	-	-	-
July	40700	-	-	-
August	30300	-	-	-
September	30300	-	-	-
October	10000	-	-	-
November	13400	-	-	-
December	00000	-	-	-

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

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	-	<b>560</b>	-
<i>Indigenous</i>	<b>7009</b>	<b>788</b>	-
<b>Buffalo</b>	<b>3058</b>	<b>391</b>	-
<b>Sheep</b>			
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	<b>712</b>	-	-
<b>Goats</b>	<b>1185</b>	-	-
<b>Pigs</b>			
<i>Crossbred</i>	-	-	-
<i>Indigenous</i>	<b>30237</b>	-	-
<b>Rabbits</b>	-	-	-
<b>Poultry</b>			
Hens	-	-	-
<i>Desi</i>	<b>196037</b>	-	-
<i>Improved</i>	-	-	-
Ducks	<b>430</b>	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	-	-	-
<i>Marine</i>	-	-	-
<i>Inland</i>	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

## 2.6 Details of Operational area / Villages (2007-08)

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Khawzawl	Khawzawl	Khawzawl	WRC + Jhum paddy + Maize + Winter vegetables + Animal Husbandry and Fisheries	<ul style="list-style-type: none"> <li>• Improper nursery management in WRC.</li> <li>• Improper nutrient management</li> <li>• Infestation of insect pest and diseases.</li> <li>• Lack of awareness toward s integrated farming</li> <li>• Lack of knowledge and awareness on livestock management, feed and fodder production.</li> </ul>	<ul style="list-style-type: none"> <li>• Nursery management</li> <li>• Integrated nutrient management</li> <li>• Integrated pest management</li> <li>• Creating awareness for adoption of integrated farming.</li> <li>• Creating awareness for livestock management and feed and fodder production.</li> </ul>

2.	Khawzawl	Khawzawl	Biate	Jhum paddy + Tea + Orange + Vegetables + Animal Husbandry	<ul style="list-style-type: none"> <li>• Lack of knowledge on crop rotation</li> <li>• No proper post harvest management in tea.</li> <li>• Lack of quality seed of different vegetables</li> <li>• Citrus declining</li> <li>• Lack of knowledge and awareness on livestock management, feed and fodder production.</li> </ul>	<ul style="list-style-type: none"> <li>• Creating awareness on crop rotation and integrated farming</li> <li>• Training on post harvest management in tea.</li> <li>• Creating awareness for the use of quality seeds in different vegetables.</li> <li>• Rejuvenation of old citrus orchards.</li> <li>• Creating awareness for livestock management and feed and fodder production</li> </ul>
3.	Champhai	Champhai	Champhai	WRC + Maize + Winter vegetables + Animal Husbandry and Fisheries	<ul style="list-style-type: none"> <li>• Improper nursery management in WRC.</li> <li>• Improper nutrient management</li> <li>• Infestation of insect pest and diseases.</li> <li>• Lack of awareness toward s integrated farming</li> <li>• Lack of knowledge and awareness on livestock management, feed and fodder production.</li> </ul>	<ul style="list-style-type: none"> <li>• Nursery management</li> <li>• Integrated nutrient management</li> <li>• Integrated pest management</li> <li>• Creating awareness for adoption of integrated farming.</li> <li>• Creating awareness for livestock management and feed and fodder production.</li> </ul>

4.	Champhai	Champhai	Zotlang	WRC + Jhum paddy +Potato + Winter vegetables + Animal Husbandry	<ul style="list-style-type: none"> <li>• Improper nursery management in WRC.</li> <li>• Improper nutrient management</li> <li>• Infestation of insect pest and diseases.</li> <li>• Lack of awareness towards integrated farming</li> <li>• Lack of knowledge and awareness on livestock management, feed and fodder production.</li> </ul>	<ul style="list-style-type: none"> <li>• Nursery management</li> <li>• Integrated nutrient management</li> <li>• Integrated pest management</li> <li>• Creating awareness for adoption of integrated farming.</li> <li>• Creating awareness for livestock management and feed and fodder production</li> </ul>
5.	Champhai	Champhai	Hmunhmeltha	Jhum paddy + Vegetables + Animal Husbandry	<ul style="list-style-type: none"> <li>• Lack of knowledge on crop rotation</li> <li>• Lack of quality seed of different vegetables</li> <li>• Citrus declining</li> <li>• Lack of knowledge and awareness on livestock management, feed and fodder production.</li> </ul>	<ul style="list-style-type: none"> <li>• Creating awareness on crop rotation and integrated farming</li> <li>• Creating awareness for the use of quality seeds in different vegetables.</li> <li>• Creating awareness for livestock management and feed and fodder production</li> </ul>

6.	Champhai	Champhai	Tuipui	WRC + Jhum paddy + Maize + Winter vegetables + Animal Husbandry and Fisheries	<ul style="list-style-type: none"> <li>• Improper nursery management in WRC.</li> <li>• Improper nutrient management</li> <li>• Infestation of insect pest and diseases.</li> <li>• Lack of awareness toward s integrated farming</li> <li>• Lack of knowledge and awareness on livestock management, feed and fodder production.</li> </ul>	<ul style="list-style-type: none"> <li>• Nursery management</li> <li>• Integrated nutrient management</li> <li>• Integrated pest management</li> <li>• Creating awareness for adoption of integrated farming.</li> <li>• Creating awareness for livestock management and feed and fodder production.</li> </ul>
----	----------	----------	--------	---	--	---

## 2.7 Priority/thrust areas

Crop/Enterprise	Thrust area
Rice	Integrated Nutrient Management, SRI Method of rice cultivation, weed management, varietal yield performance
Maize	Production of High Quality Protein Maize (HQPM), yield performance of different varieties
Fruits	High density planting, production of quality planting materials, rejuvenation of old orchards
Vegetables	Selection of location specific high yielding varieties of different vegetables specially winter vegetables, Production of quality planting materials
Animal Husbandry	Identification of local breeds, promotion of round the year fodder production, organizing animal health camps, training on production and supplement of quality animal feeds for cattle, pig, poultry etc.
Soil Science	Collection and analysis of soil and water samples

\* An example for guidance only

## 3. TECHNICAL ACHIEVEMENTS









reduction										
Farm machineries										
Post Harvest Technology										
Integrated Pest Management										
Integrated Disease Management										
Resource conservation technology										
Small Scale income generating enterprises										
<b>TOTAL</b>										

\* *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

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

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

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

Thematic areas	Cattle	Poultry	Sheep	Goat	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds								
Nutrition Management								
Disease of Management								
Value Addition								
Production and Management								
Feed and Fodder								
Small Scale income generating enterprises								
<b>TOTAL</b>								

**B. Details of each On Farm Trial to be furnished in the following format**

**A. Technology Assessment**

**Trial 1**

- 1) Title : Varietal evaluation of Brinjal
- 2) Problem diagnose/defined : Low productivity of non-descript and local Brinjal grown on Hill slopes and Rainfed at Champhai district
- 3) Details of technologies selected for assessment /refinement :
  - i. INM in rice
  - ii. Megha T1, T2 &T10
  - iii. RCMB-1 & 2
- 4) Source of technology : ICAR Barapani, Shillong, Meghalaya
- 5) Production system thematic area : Rainfed cereal based system (Sorghum-sunflower System)
- 6) Thematic area : Varietal evaluation
- 7) Performance of the Technology with performance indicators : Results showed that JG-11 recorded highest yield (1562 kg/ha), B:C

ratio (1:5.5), No. of pods per plant (58.2/plant) compared to ICCV-37 and Annegiri\*\*.

- 8) Final recommendation for micro level situation : JG-11 may be grown in place of cv. Annegiri on rainfed black soils of northern Nellore District\*\*
- 9) Constraints identified and feedback for research : Mention the specific constraints and feedback
- 10) Process of farmers participation and their reaction : Briefly mention the extent, level and process of farmers participation in planning, execution, monitoring, evaluation of the trial and their reaction towards the performance, efficacy, adoptability etc. of the improved technology assessed/refined

11). Results of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer
1	2	3	4	5	6	7	8	9	10
Bengalgram	Rainfed	Low productivity of local varieties	Varietal evaluation	10	1. Annegiri (Farmers Practice)**	No. of branches/plant, No. of pods/plant, Days to maturity			
					2. JG-11**				

\* No. of farmers

Technology Assessed	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14
1. Annegiri (Farmers Practice)**			
2. JG-11**			

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

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

## **B. Technology Refinement**

### **Trial 1**

1. Title : Improved nutrient management for control of reddening in cotton \*\*
2. Problem diagnose/defined : Magnesium deficiency and low productivity  
of cotton grown rainfed black soils of central Amaravati district\*\*
3. Details of technologies selected for assessment/refinement:
  - i. 40 kg N + 30 kg P<sub>2</sub>O<sub>5</sub> - Farmers Practice\*\*
  - ii. 50:25:25 NPK/ha + 2% Urea spray at flowering stage + 0.2 % magnesium sulphate (one spray) and 2% DAP +0.2% magnesium sulphate at boll formation stage (two spray) – Recommended practice\*\*
  - iii. 50:25:25 NPK/ha + spraying of soluble fertilizer 19:19:19 NPK @ 1% + 0.2% magnesium sulphate at square formation and flowering stage (two spray) and spray of soluble fertilizer 12:61:00 @ 1% +0.2% magnesium sulphate at boll formations stage (two spray) – Refined Practice\*\*
4. Source of technology : Dr. P.D. K.V Akola\*\*
5. Production system thematic area : Rainfed cotton based system (Cotton – Bengalgram System)
6. Thematic area : Integrated nutrient management\*\*
7. Performance of the Technology  
with performance indicators : The refined practice of nutrient management  
had less incidence of reddening of leaves (13 per plant), more number of bolls (22) and higher yield (11.75 q/ha) as compared to other treatments of nutrient management.
8. Final recommendation for  
micro level situation : Application of 50:25:25 NPK/ha + spraying of soluble fertilizer  
19:19:19 NPK @ 1% + 0.2% magnesium sulphate at square formation and flowering stage (two spray) and spray of  
soluble fertilizer 12:61:00 @ 1% +0.2% magnesium sulphate at boll formations stage (two spray) may be recommended  
for control of reddening in cotton on rainfed medium black soils of central Amaravati\*\*
9. Constraints identified and  
feedback for research : Mention the specific constraints and feedback
10. Process of farmers participation  
and their reaction : Briefly mention the extent, level and process of farmers



participation in planning, execution, monitoring, evaluation of the trial and their reaction towards the performance, efficacy, adoptability etc. of the improved technology refined

11). Results of On Farm Trials

Crop/enterprise	Farming situation	Problem Diagnosed	Title of OFT	No. of trials*	Technology refined	Parameters	Data on the parameter	Results of refinement	Feedback from the farmer	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11
Cotton	Rainfed	Magnesium deficiency and low productivity	Improved nutrient management for control of reddening in cotton **	5		Days to 50% maturity, no. of bolls/plant, no. of red leaves/plant				

\* No. of farmers

Technology Refined	*Production per unit	Net Return (Profit) in Rs. / unit	BC Ratio
12	13	14	15
1. 40 kg N + 30 kg P <sub>2</sub> O <sub>5</sub> - Farmers Practice**			
2. 50:25:25 NPK/ha + 2% Urea spray at flowering stage + 0.2 % magnesium sulphate (one spray) and 2% DAP +0.2% magnesium sulphate at boll formation stage (two spray) – Recommended practice**			
3. 50:25:25 NPK/ha + spraying of soluble fertilizer 19:19:19 NPK @ 1% + 0.2% magnesium sulphate at square formation and flowering stage (two spray) and spray of soluble fertilizer 12:61:00 @ 1% +0.2% magnesium sulphate at boll formations stage (two spray) – Refined practice**			

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

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

### 3.2 Achievements of Frontline Demonstrations

a. 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

S. No	Crop/ Enterprise	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

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

b. 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.**)

Sl. 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	

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					

Performance of FLD

Sl.No.	Crop	Technology Demonstrated	Variety	No. of Farmers	Area (ha.)	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
1	2	3	4	5	6	7	8	9	10	11	12	13

**NB: Attach few good action photographs with title at the back with pencil**

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

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
		1. Seed/Variety				
		2. Bio-fertilizer				
		3. Fertilizer management				
		4. Plant Protection				
		5. Combination of components (Please specify)				

Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	
2	

Farmers' reactions on specific technologies

S. No	Feed Back
1	
2	

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Date	Number of participants	Remarks
1	Field days				
2	Farmers Training				
3	Media coverage				
4	Training for extension functionaries				

c. 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 etc.























































27.	Agri mobile clinic														
28.	Soil test campaigns														
29.	Farm Science Club Conveners meet														
30.	Self Help Group Conveners meetings														
31.	Mahila Mandals Conveners meetings														
32.	Celebration of important days (specify)														
	Grand Total														

\* Example for guidance only

### 3.5 Production and supply of Technological products

#### SEED MATERIALS

Major group/class	Crop	Variety	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
<b>CEREALS</b>					
	Rice*	IET-14444	4	14000	15
	Rice*	BPT-343	5	15000	15
	Wheat*	Sahyadri	8	8000	20
<b>OILSEEDS</b>					
	Groundnut*	TCGS1	10	10000	25
<b>PULSES</b>					
<b>VEGETABLES</b>					
<b>FLOWER CROPS</b>					
<b>OTHERS (Specify)</b>					

\*An example for guidance only

## SUMMARY

Sl. No.	Major group/class	Quantity (qtl.)	Value (Rs.)	Provided to No. of Farmers
1	CEREALS			
2	OILSEEDS			
3	PULSES			
4	VEGETABLES			
5	FLOWER CROPS			
6	OTHERS			
<b>TOTAL</b>				

## PLANTING MATERIALS

Major group/class	Crop	Variety	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
<b>FRUITS</b>					
	Mango*	Alphonso*	600	12000	100
	Mango*	Kesar*	500	10000	40
	Pineapple*	Honeydew*	2000	100000	100
<b>SPICES</b>					
<b>VEGETABLES</b>					
<b>FOREST SPECIES</b>					
<b>ORNAMENTAL CROPS</b>					
<b>PLANTATION CROPS</b>					
<b>Others (specify)</b>					

\*An example for guidance only

## SUMMARY

Sl. No.	Major group/class	Quantity (Nos.)	Value (Rs.)	Provided to No. of Farmers
1	FRUITS			
2	VEGETABLES			
3	SPICES			
4	FOREST SPECIES			
5	ORNAMENTAL CROPS			
6	PLANTATION CROPS			
7	OTHERS			
	<b>TOTAL</b>			

## BIO PRODUCTS

Major group/class	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			No	(kg)		
<b>BIOAGENTS</b>						
<b>BIOFERTILIZERS</b>						
1						
2						
3						

4						
<b>BIO PESTICIDES</b>						
1						
2						
3						
4						

### SUMMARY

Sl. No.	Product Name	Species	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	(kg)		
1	BIOAGENTS					
2	BIO FERTILIZERS					
3	BIO PESTICIDE					
	<b>TOTAL</b>					

### LIVESTOCK

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			(Nos)	Kgs		
Cattle	Buffalo*	Murrah*				
	Buffalo*					
SHEEP AND GOAT	Goat*	Osmanabadi*				
POULTRY	Hen*	Whiteleghorn*				
	Hen*	Giriraja*				
	Quails*					
FISHERIES						
Others (Specify)						

\* An example for guidance only

**SUMMARY**

Sl. No.	Type	Breed	Quantity		Value (Rs.)	Provided to No. of Farmers
			Nos	Kgs		
1	CATTLE					
2	SHEEP & GOAT					
3	POULTRY					
4	FISHERIES					
5	OTHERS					
	<b>TOTAL</b>					

**3.6. 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

Item	Title	Authors name	Number of copies
Research papers	Performance of kharif groundnut varieties in southern rayalaseema zone*	Xxxx, yyyy and zzzzz	Not applicable
	Efficacy of plant protection measures against eriophyde mite*	Xxxx, yyyy and zzzzz	Not applicable
Total	2		
Technical reports			
Popular articles			
Leaflets/folders	Dairy – A profitable enterprise for marginal farmers*	Xxxx, yyyy and zzzzz	300
Total	1		
<b>GrandTOTAL</b>	<b>3</b>		<b>300</b>

\* an example for guidance only

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

**(C) Details of Electronic Media Produced**

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

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



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

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

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

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

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

**3.11 Field activities**

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

**3.12. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab :

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

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

3. Details of samples analyzed so far :

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

**4.0 IMPACT**

**4.1. 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.**

**4.2. Cases of large scale adoption (Please furnish detailed information for each case)**

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





**6.5 Utilization of hostel facilities**

Accommodation available (No. of beds) : **60**

Months	Title of the training course/Purpose of stay	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
October 2006	Nursery management	25	125*	
	Improved farm implements			
Total				
November 2006				
Total				
December 2006				
Total				
January 2007				
Total				
February 2007				
Total				
March 2007				
Total				
April 2007				
Total				
May 2007				
Total				
June 2007				
Total				
July 2007				
Total				
August 2007				
Total				

September 2007				
Total				
Grand total				

5 X 25= 125 (Duration of the training course X No. of trainees)

## **7. FINANCIAL PERFORMANCE**

### **7.1 Details of KVK Bank accounts**

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK			

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 <sup>st</sup> April 2008
	Kharif 2007	Rabi 2007 -08	Kharif 2007	Rabi 2007-08	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

### **7.4 Utilization of funds under FLD on Cotton (Rs. In Lakhs)**

Item	Released by ICAR	Expenditure	Unspent balance as on 1 <sup>st</sup> April 2008
	Kharif 2007	Kharif 2007	
Inputs			
Extension activities			
TA/DA/POL etc.			
TOTAL			

**7.5 Utilization of KVK funds during the year 2007 -08 and 2008 -09 (upto Sep. 2008) (year-wise separately) (current year and previous year)**

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>			
2	<b>Traveling allowances</b>			
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)			
B	POL, repair of vehicles, tractor and equipments			
C	Meals/refreshment for trainees (ceiling upto 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			
<b>TOTAL (A)</b>				
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			
2	<b>Equipments including SWTL &amp; Furniture</b>			
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
4	<b>Library</b> (Purchase of assets like books & journals)			
<b>TOTAL (B)</b>				
<b>C. REVOLVING FUND</b>				
<b>GRAND TOTAL (A+B+C)</b>				

**7.5 Status of revolving fund (Rs. in lakhs) for the three years**

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
April 2005 to March 2006				
April 2006 to March 2007				
April 2007 to March 2008				

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

**8.1 Constraints**

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

# Annexures

## District Profile - I

### Include the details of

1. General census
2. Agricultural and allied census
3. Agro-climatic zones
4. Agro-ecosystems
5. Major and micro-farming systems
6. Major production systems like rice based (rice-rice, rice-green gram, etc.), cotton based, etc.
7. Major agriculture and allied enterprises

## **Agro-ecosystem Analysis of the focus/target area - II**

### **Include**

1. Names of villages, focus area, target area etc.
2. Survey methods used (survey by questionnaire, PRA, RRA, etc.)
3. Various techniques used and brief documentation of process involved in applying the techniques used like release transect, resource map, etc.
4. Analysis and conclusions
5. List of location specific problems and brief description of frequency and extent/intensity/severity of each problem
6. Matrix ranking of problems
7. List of location specific thrust areas
8. List of location specific technology needs for OFT and FLD
9. Matrix ranking of technologies
10. List of location specific training needs



## **Technology Inventory and Activity Chart - III**

### **Include**

1. Names of research institutes, research stations, regional centres of NARS (SAU and ICAR) and other public and private bodies having relevance to location specific technology needs
2. Inventory of latest technology available \*

Sl. No	Technology	Crop/enterprise	Year of release or recommendation of technology	Source of technology	Reference/citation
1.	Cv. BSMR-8 *	Pigeonpea	2006	MAU, Parbhani	Notification no. 656 dated 25.06.2006 of Central/State Varietal Release Committee/ Proceedings no. 66 of MAU, Parbhani dated 04.02.2006
2.	Modified Paddy Drum Seeder*	Improved Farm Implements	2007	Directorate of Rice Research	Proceedings/Notification no. 77 of DRR, Hyderabad dated 04.02.2007
3.	Stem application of Imidachloropid @ 0.04%*	Cotton	2008	ANGRAU, Hyderabad	Proceedings/Notification no. 88 of ANGRAU, Hyderabad dated 04.02.2008

**PS** \* an example for guidance only

### 3. Activity Chart

Crop/Animal/Enterprise	Problem	Cause	Solution	Activity	Reference of Technology
Cotton	Low productivity of cotton under rainfed medium black soils of Northern Amaravati	1) Imbalance fertilizer application 2) Pest and disease occurrence 3) Flower and fruit drop due to micro-nutrient deficiency	1. Application of recommend dose of Nutrients 2. Integrated Pest control 3. Micro-nutrient i.e boron application to control flower and fruit drop	1. Single component FLD to demonstrate effect of recommended dose of nutrients 2. Training and FLD programme on integrated pest management of cotton pest 3. OFT on management boron deficiency to control flower and fruit drop	1. Sl. No. 6 of Technology Inventory 2. Sl. No. 45 of technology Inventory 3. Sl. No. 99 of Technology inventory
Soybean					
Mulberry					
Jersey Cow					

### 4. Details of each of the technology under Assessment, Refinement and demonstration

#### Include

- Detailed account on varietal/breed characters for each of the variety/breed selected for FLD and OFT
- Details of technologies that may include formulation, quantity, time, methods of application of nutrients, pesticides, fungicides etc., for technologies selected under FLD and OFTs
- Details of location/area specificity of recommended technology viz., for each of the variety/breed/technology selected for FLD and OFT