

TABLE-1.B

DISTRICT: KOHIMA ATMA

NUMBER OF BLOCKS=4(FOUR)

PROPOSED DISTRICT ACTION PLAN, STRATEGY, THRUST AREA AND EXTENSION ACTIVITY PLAN PERIOD: 2010-2011

| Name of the enterprise | Strategies proposed for extension | Extension | | Relevance to the AES | |
|---|---|--|--|-----------------------|-----------------------|
| | | Thrust area | Activity proposed | AES-I | AES-II |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1. Agriculture | | | | | |
| a). Paddy (Irrigated) | To increase production & productivity of paddy | - Adoption of improved technology - Adoption of IPM methods - Adoption of INM measures and farm mechanization - Water management - Promotion of HYV local varieties | - Procurement of good quality HYV seeds - Trials and demonstration - Use of Power Tillers - Research trials & demonstration | Y Y Y | Y Y |
| b) Jhum Paddy | Intensification and technology adoption under rainfed situation. | | | - | Y |
| c) Potato | 1. Productivity improvement. 2. To reduce post harvest loses | - Segregation of varieties in use - Curing of potatoes | - Research identification - Training and demonstration | Y Y | Y Y |
| d) Oilseeds (Sunflower, Sesamum, Groundnut) | To increase the production | - Promotion of HYV sunflower, Sesamum, Groundnut suitable for altitude above 1000 MSL - Adoption of IPM - IPM & INM - Weed control - Optimum time of sowing & harvesting | - Vermi compost - Bio-fertilizer - Bio-agents - Trials & demonstration - Identification | Y Y Y Y Y | Y Y Y Y Y |

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|------------------------|--|--|---|---|---|
| f) Soyabean | To increase the productivity & production | <ul style="list-style-type: none"> - Promotion of HYV - Adoption of IPM - Adoption of INM - Weed management - Timely sowing & harvesting | <ul style="list-style-type: none"> - Exposure trips - Exhibition | Y | Y |
| g) Farm machineries | Use of improved farm mechanized tools and local tools and implements promotion | <ul style="list-style-type: none"> - Promotion of use of improved far tools & machineries like Power Tiller, Tractors, Weeder, Seed driller etc. - Promotion in production of indigenous tools & implements. - To increase efficacy in sowing, hoeing, weeding, intercultural operation, insect pest control tools etc. | <ul style="list-style-type: none"> - Demonstration training at Block level - Production of indigenous tools by FIG s expert - Demonstration training on use of tools and implements | Y | Y |
| h) Organic farming | To promote organic farming for a selected crops | <ul style="list-style-type: none"> - Undertaking organic production for sticky rice, Brown rice - Organic farming for pulses - Organic certification and adoption of ICS etc. | <ul style="list-style-type: none"> - Farmers trainings - Identification of areas - Identification of FIG s/ Farmers - Demonstration and Trials, farm establishment | Y | Y |
| 2. Horticulture | | | | | |
| i). Ginger | <ul style="list-style-type: none"> 1.To increase the productivity 2.To reduce post harvest loses | <ul style="list-style-type: none"> - Seed treatment - Timely and proper harvesting | <ul style="list-style-type: none"> - Training - Demonstration | Y | Y |
| ii) Large cardamom | Organic production of large Cardamom capsule | <ul style="list-style-type: none"> - Promotion of organic farming - Promotion of IPM - Improvement of drying processes - Undertaking organic certification - Promoting a Kisan nursery - Research need of Cardamom decline - Market survey | <ul style="list-style-type: none"> - Farmers training - Establishment of more Kisan nursery - Research works for Cardamom decline - Exposure trips - Market linkages | Y | Y |

| | | | | | |
|---|--|---|--|---|---|
| iii) Orchards | To increase production of temperate fruits in the district by overcoming technology gaps | <ul style="list-style-type: none"> - Promotion of organic farming - Promotion of hybrid varieties - Promotion of processing units - Production and marketing - Identify quality planting materials | <ul style="list-style-type: none"> - Farmers training - Market support - Research works | Y | Y |
| 3. Soil & Water Conservation | | | | | |
| a) Natural resource development | <p>1. Water resource not harnessed, thereby drought like situation is a common occurrence during dry spell</p> <p>2. Traditional farming system i.e. Jhuming plays a major role in jeopardizing the ecological balance</p> <p>3. In-situ top soil conservation</p> | <ul style="list-style-type: none"> - Improved soil conservation measures - Promotion of cover crops for soil conservation - Promotion of composting of soil fertility replenishment - Promotion of hedge crops - Fallow land management - Alder based Jhuming- a sustainable agricultural farming approach - Harnessing the water resource | <ul style="list-style-type: none"> - Education campaign by way of interaction, distribution of printed literatures, exposure trips - Motivation through Ghostis - Extensive workshop and field demonstration - Farmers training at project level - Trials & demonstration of cover crops/ GM/ Hedges. - Awareness/ Trainings/ Exposure trips | Y | Y |
| b) Soil test | Testing of NPK & micro nutrients | <ul style="list-style-type: none"> - Soil fertility status - Soil map of villages for farmers guide - Fertilizer recommendation | <ul style="list-style-type: none"> - Soil sample collection & analysis - Mapping - Documentation | Y | Y |
| 4. Sericulture | | | | | |
| Mulberry/Eri silk worm | <p>1. Production of quality and quantity of cocoons</p> <p>2. Control of diseases & pest on plant & silkworms</p> | <ul style="list-style-type: none"> - Development of good seed (Egg) production centres - To activate handloom activities in the district. - Proper rearing & spinning - Introduction of motorized spinning machine - Promotion of IPM/INM in host plant cultivation. | <ul style="list-style-type: none"> - Farmers training - Demonstration - Awareness programme - Exposure trips to advanced areas (Assam/ West Bengal) | Y | Y |

| 5. Land Resources Development | | | | | |
|---|---|---|--|----------|----------|
| Indigenous medicinal plants | Preservation and promotion of local medicinal plants of commercial value | <ul style="list-style-type: none"> - Establishing forums for practitioners of local medicinal plants - Encourage cultivation of local medicinal plants for market | <ul style="list-style-type: none"> - Training on identification, propagation and of indigenous medicinal plants | Y | Y |
| | | | <ul style="list-style-type: none"> - Training on proper use, experience sharing by local practitioners | Y | Y |
| 3. Agro-forestry | Identification & diversification of MAP and species crop | <ul style="list-style-type: none"> - Encourage FIGs & SHGs. | <ul style="list-style-type: none"> - Training on mixed cropping | Y | Y |
| 6. Fishery | | | | | |
| a) Intensification of fish production | 1. To increase productivity of fish | <ul style="list-style-type: none"> - Renovation of available tanks in the village - Water management - Selection of suitable species - Brooder fish pond management | <ul style="list-style-type: none"> - Farmers training at village & Block level & demonstration - Awareness & Exposure trips - Brooder fish pond improvement/ renovation | Y | Y |
| | 2. Disease free finger ling production | | | Y | Y |
| | 3. Paddy cum fish culture- a popular fish production of the district | | | Y | Y |
| 7. Veterinary & Animal Husbandry | | | | | |
| a) Cow | <ul style="list-style-type: none"> i).To increase milk production of Cow ii).Health care & management | <ul style="list-style-type: none"> - Breed up gradation through A.I - Improve knowledge about animal health and hygiene - Improving general management practices | <ul style="list-style-type: none"> - Training of farmers at village level | Y | Y |
| | | | <ul style="list-style-type: none"> - Health care camps & introduce A.I. | Y | Y |
| | | | <ul style="list-style-type: none"> - Exposure trips | Y | Y |
| b) Pig | To increase productivity | <ul style="list-style-type: none"> - Breed up gradation by cross breed - Improving fodder & feed management - Improving general management practices | <ul style="list-style-type: none"> - Trainings & Demonstrations | Y | Y |
| | | | <ul style="list-style-type: none"> - Health care camps | Y | Y |
| | | | <ul style="list-style-type: none"> - Exposure visits | Y | Y |

| | | | | | |
|---------------------------------------|---|--|--|-----------------------|-----------------------|
| a) Poultry | For increased production of eggs and meat | - Encouraging commercial poultry farming - Improving general management practices | - Farmers trainings & demonstration - Exposure visits | Y Y | Y Y |
| 8. Private-Private partnership | | | | | |
| | 1. Promotion of private-private partnership in increasing production of livestock & poultry | - Increase the production of livestock & poultry - Establishing buy back system | - Linkage between farmers & reputed hatcheries/ Livestock - Inviting private companies - Formation of CIG/ FIG - Motivation through exposure - Awareness through media | Y Y Y Y Y | Y Y Y Y Y |
| | 2. To promote private-private for marketing of organically grown produces of market demand | - To fetch higher economic return for farmers | - Invite private companies and buyers - Publicity through media like T.V, internet (Website) - Participate in Exhibitions & - Trade fairs | Y Y Y | Y Y Y |
| | 3. Strengthening APMC | - Regular monitoring and supervision from Govt. encouraging farmers involvement, financial support from Govt. etc. | - Timely meeting of APMC - Motivating farmers for involvement - Constant contact with Govt. agencies - Creation of corpus fund | Y Y Y Y | Y Y Y Y |

| | | | | | |
|--------------------------------------|--|---|---|---|---|
| | 4. Promotion of private-private partnership in increasing production of cocoon, Yarn, silk fabric | <ul style="list-style-type: none"> - Introduction of high yielding variety - Encourage SHGs | <ul style="list-style-type: none"> - Exhibitions - Linkage between yarn producers and weavers | Y | Y |
| 9. Public private partnership | | | | | |
| | Strengthening the existing dairy federation by formation of more milk unions and increasing their activities | <ul style="list-style-type: none"> - Increasing the membership of milk unions | <ul style="list-style-type: none"> - Motivation - Exposure trips | Y | Y |

TABLE-2.B

DISTRICT: MOKOKCHUNG ATMA

NUMBER OF BLOCKS = 6(SIX)

PROPOSED DISTRICT ACTION PLAN, STRATEGY, THRUST AREA AND EXTENSION ACTIVITY PLAN PERIOD: 2010-2011

I. TRAINING AND DEMONSTRATIONS

| Sl No | Enterprise | Thrust Area | Activity | Unit (Training in mandays; Demonstration in no) | | | | | | Total |
|----------|--------------------|---|---------------|---|------|------|-----|--------------|--------------|-------|
| | | | | Block Level | | | | | | |
| | | | | Ctn | Kblg | Lgcm | Mba | Ongp (North) | Ongp (South) | |
| 1 | 2 | 3 | 4 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | AGRICULTURE | | | | | | | | | |
| 1 | Jhum Paddy | - Promotion of HYV - Production of quality seeds - Adoption of improved technology - Adoption of IPM - Adoption of INM | Training | 50 | 50 | 25 | 25 | 25 | - | 200 |
| | | | Demonstration | 4 | 2 | 2 | 2 | 4 | - | 14 |
| 2 | TRC Paddy | - Promotion of HYV - Adoption of improved technology - Adoption of IPM - Adoption of INM - Farm mechanization - Water management | Training | 100 | - | 50 | 75 | 25 | 75 | 350 |
| | | | Demonstration | 12 | - | 6 | 8 | 4 | 7 | 37 |
| 3 | Maize | - Promotion of HYV - Adoption of improved technology - Adoption of IPM - Adoption of INM | Training | 25 | 25 | 25 | 25 | 25 | 50 | 200 |
| | | | Demonstration | 5 | 4 | 3 | 4 | 4 | 5 | 25 |

| | | | | | | | | | | |
|---|----------|--|---------------|----|----|----|----|-----|----|-----|
| 4 | Pulses | <ul style="list-style-type: none"> - Adoption of improved technology - Adoption of IPM - Adoption of INM | Training | 25 | 25 | 50 | 50 | 25 | - | 200 |
| | | | Demonstration | 5 | 2 | 2 | 2 | 4 | - | 15 |
| 5 | Oilseeds | <ul style="list-style-type: none"> - Promotion of HYV - Adoption of improved technology - Adoption of IPM - Adoption of INM | Training | 50 | 25 | 50 | 75 | 50 | - | 250 |
| | | | Demonstration | 6 | 2 | 4 | 6 | 4 | - | 22 |
| 6 | Tapioca | <ul style="list-style-type: none"> - Promotion of HYV - Adoption of improved technology - Adoption of IPM - Adoption of INM - Post harvest management | Training | 50 | 25 | 25 | 50 | 100 | 75 | 325 |
| | | | Demonstration | 6 | 3 | 4 | 6 | 6 | 5 | 30 |
| 7 | Potato | <ul style="list-style-type: none"> - Promotion of HYV - Adoption of improved technology - Adoption of IPM - Adoption of INM | Training | - | 50 | 25 | 25 | - | - | 100 |
| | | | Demonstration | - | 2 | 2 | 4 | - | - | 8 |
| 8 | Ginger | <ul style="list-style-type: none"> - Adoption of improved technology - Post harvest technology | Training | - | 25 | 25 | 50 | - | - | 100 |
| | | | Demonstration | - | 2 | 2 | 4 | - | - | 8 |
| 9 | Tea | <ul style="list-style-type: none"> - Promotion of HYV - Adoption of improved technology - Adoption of IPM - Adoption of INM | Training | 50 | - | 50 | 25 | 25 | - | 150 |
| | | | Demonstration | 5 | - | 2 | 2 | 4 | - | 9 |

| B HORTICULTURE | | | | | | | | | | |
|--------------------------------------|---------------|--|---------------|-----|----|----|----|-----|----|-----|
| 1 | Passion fruit | <ul style="list-style-type: none"> - Proper seed selection and planting - Package of practices - Organic cultivation | Training | - | 25 | 50 | - | 25 | 50 | |
| | | | Demonstration | - | 2 | 2 | - | 2 | 5 | |
| 2 | Banana | <ul style="list-style-type: none"> - Proper sucker selection and treatment - Maintain plant density per unit area. - Proper cultural practices - Post harvest management - Adoption of IPM & INM methods | Training | 50 | 25 | 25 | 25 | 50 | 75 | |
| | | | Demonstration | 5 | 2 | 2 | 2 | 4 | 5 | |
| C VETY & ANIMAL HUSBANDRY | | | | | | | | | | |
| 1 | Cattle | <ul style="list-style-type: none"> - Breed up gradation through AI - Improving feed & fodder management - Improving health care - Improving general management | Training | 25 | 25 | 50 | - | 25 | 25 | 150 |
| | | | Demonstration | 5 | 2 | 2 | - | - | 3 | 12 |
| 2 | Piggery | <ul style="list-style-type: none"> - Improving feed & fodder management - Improving health care & management - Breed up gradation through graded boar - identifying of suitable breeds of up gradation of non-descriptive local strain | Training | 100 | 25 | 50 | 50 | 150 | 25 | 400 |
| | | | Demonstration | 8 | 2 | 2 | 2 | 8 | 3 | 25 |

| | | | | | | | | | | |
|--|-----------------------------------|--|---------------|----|----|----|----|-----|-----|-----|
| 3 | Poultry | - Improving feed management | Training | 75 | 25 | 50 | 25 | 100 | 25 | 325 |
| | | - Improving health care | | | | | | | | |
| 3 | Poultry | - Improving backyard poultry farming | Demonstration | 5 | 2 | 2 | 3 | 4 | 4 | 20 |
| | | - Commercial farming | | | | | | | | |
| | | - Identifying virus strains | | | | | | | | |
| D LAND RESOURCES | | | | | | | | | | |
| 1 | Patchouli , Lemongrass & Jatropa* | - Introduction of pest/disease resistant varieties | Training | 50 | - | 50 | 25 | - | 50 | 175 |
| | | - Weed management | | | | | | | | |
| 1 | Patchouli , Lemongrass & Jatropa* | - Adoption of IPM | Demonstration | 8 | - | 2 | 4 | - | 7 | 22 |
| | | - Irrigation management | | | | | | | | |
| | | - Post harvest management | | | | | | | | |
| 2 | Indigenous medicinal plants | - Identification & documentation | Training | - | 25 | 50 | - | 50 | 125 | 250 |
| | | - Establishment of forum for practitioner of local MAP | | | | | | | | |
| 2 | Indigenous medicinal plants | - Encourage cultivation of economically viable local varieties | | - | 2 | 2 | - | - | 7 | 11 |
| | | | | | | | | | | |
| E SOIL & WATER CONSERVATION | | | | | | | | | | |
| 1 | Natural resource management | - Low cost technology on erosion control and water harvesting structure. | Training | 25 | 25 | 25 | 25 | 50 | 75 | 225 |
| | | - Land development in rolling & undulating terrain | | | | | | | | |
| 1 | Natural resource management | - Soil reclamation. | Demonstration | 7 | 4 | 4 | 2 | 6 | 5 | 29 |
| | | - Cover crop | | | | | | | | |
| | | - Water harvesting | | | | | | | | |

| F | SERICULTURE | | | | | | | | | |
|----------|--------------------|---|---------------|----|----|----|----|----|----|-----|
| 1 | Sericulture | <ul style="list-style-type: none"> - Promotion of sericulture enterprise - Development of good seeds production centre - Awareness on the prospects and potential of sericulture | Training | 25 | 25 | 25 | 25 | 25 | 25 | 150 |
| | | | Demonstration | 5 | 1 | 1 | 2 | 2 | 3 | 14 |
| G | FISHERY | | | | | | | | | |
| 1 | Fishery | <ul style="list-style-type: none"> - Improving general management - Hatchery management and breeding - Preparation and management of ponds - Generating awareness on technology of producing commercial fish seeds - Awareness | Training | 50 | 25 | 25 | 25 | 50 | 75 | 250 |
| | | | Demonstration | 7 | 1 | 1 | 2 | 4 | 7 | 18 |
| 2 | Others | <ul style="list-style-type: none"> - Proper hatchery management - Encourage riverine fish farming - Ornamental fish farming | Training | - | 25 | - | - | - | - | 25 |
| | | | Demonstration | - | 2 | - | - | - | - | 2 |
| H | OTHERS | | | | | | | | | |
| 1 | Apiculture | <ul style="list-style-type: none"> - Adoption of improved technology & post harvest management | Training | 25 | 25 | 25 | 25 | 25 | - | 125 |

DISTRICT: DIMAPUR ATMA

TABLE 3: B

NUMBER OF BLOCKS = 04 (FOUR)

PROPOSED DISTRICT ACTION PLAN, STRATEGY, THRUST AREA AND ACTIVITY FOR EXTENSION 2010-11

| Sl. No | Strategies proposed | Thrust Area for extension | Short term research need | Activities proposed Extension Research | | Number of units | | Amount (Rs. In Lakhs) |
|--------|---|---|---|--|--|-----------------|----------|-----------------------|
| | | | | | | Extension | Research | |
| | | | | | | 2010- 11 | 2010- 11 | 2010- 11 |
| 1. | AGRICULTURE a) Productivity improvement by intensification & technology adoption in Paddy | <ul style="list-style-type: none"> - Promotion of HYV - Adoption of IPM & INM methods - Promotion of irrigation facility - Farm mechanization | <ul style="list-style-type: none"> - Post harvest technology - Varietal selection | <ul style="list-style-type: none"> - Awareness campaign for more usage of HYV - Training/ Demonstration & Training/ - Shallow tube well - Exposure trips | On field trials Selection of suitable varieties | 10 | 02 | 2.50 |
| | b) To enhance production & productivity of maize | <ul style="list-style-type: none"> - Intercropping - Seed treatment - Pest/disease management - Adoption of improved technology | FLD & trials | <ul style="list-style-type: none"> - Creating awareness - Organize demonstration - farmers training programme - Exposure trips | FLD & trials | 05 | 01 | 1.00 |
| | c) To promote Mustard cultivation | <ul style="list-style-type: none"> - Promotion of HYV Mustard - Adoption of IPM/ INM | On farm trails | <ul style="list-style-type: none"> - Awareness campaign & exposure trips - Demonstrations | - Farm trials practices through FFS | 06 | 01 | 1.6 |

| | | | | | | | | |
|----|---|---|--|---|---|----|----|------|
| 2. | HORTICULTURE a) To promote pineapple production | 1.To increase the productivity 2. To reduce post-harvest losses | -Ideal time of planting & harvesting Developing local packaging materials | - Correct planting methods and system - Timely desuckering | Ideal time of planting & harvesting Value addition | 04 | 01 | 1.20 |
| | b) Banana | 1. To increase the productivity 2. To reduce post-harvest losses | More plant density & correct planting methods Harvesting at correct stage | - Demonstration and farmers training - Desuckering - IPM & INM practice - Exposure trip | Processing & value addition | 06 | 02 | 2.60 |
| | c) Promotion of Vegetable cultivation | 1. To increase the productivity 2. To reduce post-harvest losses | Harvesting stage for market proper sorting, grading & packaging | - Timely sowing/planting - Biological control of insects and pest - Vermi composting - INM practice - Training - Demonstration - Exposure visit | On farm trails & selection of suitable varieties for recommendation | 07 | 03 | 3.10 |
| | LAND RESOURCES To promote Medicinal & Aromatic Plants | - Establishing a forum for local medicinal plants practitioners - Encourage cultivation of economically viable local varieties | Identify high yielder & GAP for local situation. | - Farmers training on package of practices - Farm Demonstration - Exposure Trips - Facilitating market linkages for farmers | Identify high yielder & GAP for local situation | 04 | 01 | 1.60 |

| | | | | | | | | |
|----|--|---|---|---|---|----|----|------|
| 3 | SOIL AND WATER CONSERVATION. a) To promote Natural Resources Development | <ul style="list-style-type: none"> - Management of soil erosion - Water harvesting structure. - in-situ top soil cultivation. | Develop soil conservation methods using local techniques | <ul style="list-style-type: none"> - Awareness campaign, motivational workshops, trainings | Low cost indigenous conservation techniques | 03 | 01 | 1.80 |
| | b) Soil test | <ul style="list-style-type: none"> - Encourage farmers to soil sampling | Develop soil map, Fertilizer recommendation. | <ul style="list-style-type: none"> - Sample collection methods & soil kit use - Training & demonstration | Develop soil map, Fertilizer recommendation. | 02 | 01 | 0.80 |
| | FISHERIES a) Intensification of fish production | <ul style="list-style-type: none"> - Paddy cum fish culture. - Expansion of composite pisciculture. - Promote disease free fingerling production | Technology for fish seed production management. | <ul style="list-style-type: none"> - Farmers training & demonstration. - Health care management | Technology for fish seed production & management. | 04 | 01 | 1.00 |
| | b) Introduction of prawn culture & production technology | <ul style="list-style-type: none"> - Farmers training & demonstration | Transfer of technology | <ul style="list-style-type: none"> - Awareness campaigns - Demonstration - Training - Exposure visit | Transfer of technology | 03 | - | 1.20 |
| 5. | SERICULTURE a) To increase cocoon production b) To promote quality silk | <ul style="list-style-type: none"> - Introduction of correct methods of planting host plants - Introducing High yielding variety | Selection of high yielder. Developing technologies for local conditions | <ul style="list-style-type: none"> - Training - Demonstration - Exposure visit to advance area (Assam/ W.Bengal). - Awareness programme | Selection of high yielder. Developing technologies for local conditions | 04 | 01 | 1.20 |

| | | | | | | | | |
|---|---|---|---|---|---|----|----|------|
| 6 | VET. & A.H a) Production of milk and meat | - To increase meat productivity in cow, poultry & pig. | Selection of breeds for meat production. Developing technology for local conditions | - Health care and management. - Breed upgradation through AI - Demonstration - Training - Exposure visit | Selection of breeds for meat production. Developing technology for local conditions | 04 | 01 | 1.80 |
| | Promotion of Poultry farming | - To increase egg production - To increase meat production | Selection of breeds for meat & egg production. Developing technology for local conditions | - Encourage improvement of backyard poultry with Kuroiler etc. - Encouraging commercial poultry farming - Improving Feed management - Improving General management practices | Selection of breeds for meat & egg production. Developing technology for local conditions | 06 | 02 | 2.50 |

Total = Rs 25.90 lakh
(Rupees twenty five lakh ninety thousand only)

DISTRICT: MON ATMA

TABLE 4.B

NUMBER OF BLOCK = 6(SIX)

DISTRICT ACTION PLAN FOR STRATEGIES/THRUST AREAS FOR EXTENSION & RESEARCH PLAN PERIOD: 2010-11

| Sl. No | Strategies proposed | Thrust Area for extension | Short term research need | Activities proposed | | Number of units | | Amount (Rs. In Lakhs) |
|--------|---|---|---|---|-------------------|-----------------|----------|-----------------------|
| | | | | Extension | Research | Extension | Research | |
| | | | | | | 2010-11 | 2010-11 | 2010-11 |
| 1. | AGRICULTURE a) Productivity improvement by intensification & technology adoption under rainfed situation. | - Promotion of improved local varieties | - Identification of good quality seeds. - Promotion of indigenous technologies | - Farmers training - Awareness campaign - Exposure tour | - On field trials | 03 | 01 | 1.20 |
| | b) To increase productivity & production of TRC/WRC paddy | - Promotion of HYV for higher altitude. - Adoption of IPM/INM water management | - GAP for improving production. | - Demonstration - Training | - Trials | 02 | 01 | 0.80 |
| | c) To enhance production & productivity of maize | - Promote HYV - Intercropping | - Introduce good quality & location specific varieties | - FFS/demonstration & Exposure visits | - FLD & trials | 02 | 01 | 0.60 |

| | | | | | | | | |
|----|--|--|--|---|---|----|----|------|
| 2. | HORTICULTURE a) To promote vegetable cultivation | - To increase production by adoption of good package of practices | - To identify suitable & good quality seeds | - Training, Exposure trips & Exhibition | - To identify high yielding/good quality seeds | 02 | 01 | 0.80 |
| | b) To promote passion fruit cultivation | - Productivity improvement by overcoming technology gap | - Processing & value addition | - Demonstration, farmers training & exposure trip | - Processing & value addition | 02 | 01 | 0.60 |
| 3 | LAND RESOURCES a) To promote Medicinal & Aromatic Plants | - Promotion of MAP | -Identify high yielder & GAP for local situation. | - Training & demonstration. - Exposure trip | - Identify high yielder & GAP for local situation | 03 | 01 | 0.80 |
| 4 | SOIL AND WATER CONSERVATION. a) To promote Natural Resources Development | - Management of soil erosion in shifting cultivation - Water harvesting structure. - in-situ top soil cultivation. | - Develop soil conservation methods using local techniques | - Awareness campaign, motivational workshops, trainings | -Low cost indigenous conservation techniques | 02 | 01 | 0.80 |

| | | | | | | | | |
|----|--|---|---|---|---|----|----|------|
| | b) Soil test | <ul style="list-style-type: none"> Promote soil sampling methods | <ul style="list-style-type: none"> Develop soil map, Fertilizer recommendation | <ul style="list-style-type: none"> Sample collection methods, Mapping, Documentation. | <ul style="list-style-type: none"> Develop soil map, Fertilizer recommendation. | 01 | 01 | 0.60 |
| 5. | FISHERIES a) Intensification of fish production | <ul style="list-style-type: none"> Paddy cum fish culture. Expansion of composite pisciculture. Promote disease free fingerling production | <ul style="list-style-type: none"> Technology for fish seed production and management. Brooder fish pond management & technology for fish seed production | <ul style="list-style-type: none"> Farmers training & demonstration. Health care management | <ul style="list-style-type: none"> Technology for fish seed production & management. Brooder fish pond management. Technology for fish seed production | 02 | 01 | 0.80 |
| 6 | SERICULTURE a) To promote silkworm cultivation for higher economic returns | <ul style="list-style-type: none"> To promote production of quality & quantity of cocoons. Control of diseases, pest on plant & silkworms. | <ul style="list-style-type: none"> Selection of high yielders. Developing technologies for local conditions | <ul style="list-style-type: none"> Farmers training & demonstration. Awareness programme. Health care and management | <ul style="list-style-type: none"> Selection of high yielder. Developing technologies for local conditions | 03 | 01 | 0.80 |

| | | | | | | | | |
|---|---|--|--|---|--|----|----|------|
| 7 | VET. & A.H a) Production of milk and meat | <ul style="list-style-type: none"> - To increase meat productivity in cow, poultry & pig. - To increase egg production | <ul style="list-style-type: none"> - Selection of good breed for meat & egg production. - Developing technology for local conditions | <ul style="list-style-type: none"> - Health care and management. - Breed upgradation through AI | <ul style="list-style-type: none"> - Selection of good breed for meat & egg production. - Developing technology for local conditions | 02 | 01 | 0.80 |
| Total = Rs 8.60 lakh | | | | | | | | |
| <i>(Rupees eight lakh sixty thousand only)</i> | | | | | | | | |

DISTRICT: PHEK ATMA

TABLE 5.B

NUMBER OF BLOCK = 5(FIVE)

**DISTRICT ACTION PLAN FOR STRATEGIES THRUST AREAS FOR EXTENSION & RESEARCH
PLAN: 2010-11**

| Sl. No | Strategies proposed | Thrust area for Extension | Short term Research need | Activities proposed | | Number of units | | Amount (Rs. In lakhs) |
|--------|--|--|---|---|---|-----------------|-----------|-----------------------|
| | | | | Extension | Research | Extensi on | Resear ch | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. | AGRICULTURE 1. Paddy: To increase Production & Productivity of paddy | <ul style="list-style-type: none"> - Promotion of HYV & Hybrid - Adoption of IPM /INM/seed treatment - Farm Mechanization | - Short duration, & resistance varieties | <ul style="list-style-type: none"> - Awareness campaign - Training - Exposure tours - Exhibition - Bio-fertilizers | - Location specific trails, demonstration | 06 | 3 | 2.20 |
| | 2. Maize: To increase & productivity of Maize and value addition | <ul style="list-style-type: none"> - Promote HYV & Hybrid Maize - PHM | <ul style="list-style-type: none"> - Introduce good quality and suitable varieties - To study cost-benefit ratio for higher economic return | <ul style="list-style-type: none"> - Training & capacity building | <ul style="list-style-type: none"> - FLD - Trials & demonstration | 03 | 03 | 1.2 0 |
| 2. | HORTICULTURE Vegetables (Cabbage, tomato, pea, Raddish, carrot, turnip, brinjal, chilli, cucumber, Bhindi & exotic crop) | - To increase production by adoption of good package of practices | - To identify suitable and good quality seeds for organic production & lowland areas. | <ul style="list-style-type: none"> - Training, exposure visits, exhibition & melas | - To identify suitable and good quality seeds for organic production & lowland areas. | 03 | 03 | 1.20 |

| | | | | | | | | |
|----|--|--|---|---|---|----|----|------|
| 3. | SOIL & WATER CONSERVATION Natural Resource Development | <ul style="list-style-type: none"> - Management of soil fertility - in-situ top soil conservation, - FYM and production of organic manure (vermi-compost) | <ul style="list-style-type: none"> - Soil fertility test - Harnessing water resources | <ul style="list-style-type: none"> - Awareness campaign, exposure trips, workshops, trails, trainings documentation | <ul style="list-style-type: none"> - Soil fertility test - Low cost indigenous conservation | 04 | 03 | 1.50 |
| 4. | SERICULTURE Mulberry /Eri silk worm- Increase in production of quality leaves Control of insect pest in plants and silkworms | <ul style="list-style-type: none"> - Create awareness quality leaves and cocoon | <ul style="list-style-type: none"> - Develop technologies for local conditions for increasing production and quality cocoons - Introduce good agronomic practices and quality culturing | <ul style="list-style-type: none"> - Promote use of Motorized spinning machine and shuttle loom - Training & exposure visits - Demonstration | <ul style="list-style-type: none"> - Suitable varieties of mulberry and other plants | 06 | 03 | 1.40 |
| 5. | LAND RESOURCE 1. Patchouli, Geranium & Lemon grass: Increase production, productivity | <ul style="list-style-type: none"> - Create awareness on patchouli, geranium & lemon grass cultivation | <ul style="list-style-type: none"> - Identification & documentation and development of suitable P&P/technology | <ul style="list-style-type: none"> - T/D/exposure tours | <ul style="list-style-type: none"> - Identification & documentation and development of suitable P&P/technology | 06 | 03 | 1.30 |
| | 2. Indigenous medicinal plant: Preservation & promotion of indigenous plant varieties | <ul style="list-style-type: none"> - Awareness campaign | <ul style="list-style-type: none"> - Identify high value low volume medicinal plants for commercialization - Documentation | <ul style="list-style-type: none"> - Training & demonstration - Exposure visits | <ul style="list-style-type: none"> - Identify high value low volume medicinal plants for commercialization | 06 | 03 | 1.40 |

| | | | | | | | | |
|----|--|---|--|---|--|----|----|------|
| 6. | FISHERIES 1. Fish: To increase productivity of fish To overcome oxygen depletion in pond water | <ul style="list-style-type: none"> - Create awareness on fish production & management | <ul style="list-style-type: none"> - Technology for fish seed production and management | <ul style="list-style-type: none"> - Manuring of ponds - Feeding rate & schedule | <ul style="list-style-type: none"> - Develop local Technology for fish seed production and management | 04 | 03 | 1.40 |
| 7. | VETINERARY & ANIMAL HUSBANDRY 1. Cow & Buffalo To increase milk meat production | <ul style="list-style-type: none"> - Create awareness on Management - Feed and fodder - Vaccination | <ul style="list-style-type: none"> - Breed up gradation - Quality feed development | <ul style="list-style-type: none"> - Develop awareness on management aspects and health care - Promote hygienic production process | <ul style="list-style-type: none"> - Training of farmers - Vaccine & Animal health - Introduction of AI | 06 | 03 | 1.50 |
| | 2. Pig To increase production | <ul style="list-style-type: none"> - Create awareness on meat production - Breed type - Vaccination schedule | <ul style="list-style-type: none"> - Develop management aspects and health care | <ul style="list-style-type: none"> - Breed upgradation by cross breeding - Improving feeds & fodder - Improving - Health care | <ul style="list-style-type: none"> - Training of farmers - Vaccine & Animal health | 06 | 03 | 1.50 |

Rs15.00 lakh
(Rupees fifteen lakh only)

TABLE 6: B

DISTRICT: TUENSANG ATMA

NUMBER OF BLOCK = 8(EIGHT)

DISTRICT ACTION PLAN FOR STRATEGIES, THRUST AREAS FOR EXTENSION RESEARCH 2010-11

| Sl. No. | Strategies proposed | Thrust area for Extension | Short term Research need | Activities proposed | | Number of units | | Amount (Rs. In lakhs) |
|-----------------------|--|--|---|--|---|-----------------|----------|-----------------------|
| | | | | Extension | Research | Extension | Research | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| A. AGRICULTURE | | | | | | | | |
| 1. | To increase Production & Productivity paddy | Promotion of HYV seeds Adoption of improved technology | Identification of Good quality seeds, Selection of Pest & disease resistant varieties | Training Exposure tour Awareness campaign Linkage with input agents | Farm trails, demonstration Location specific trails | 06 | 03 | 1.00 |
| 2. | To increase production & productivity of Maize | Promote HYV & Hybrid Maize Adoption of improved cultivation practice Pest & disease management | location specific varieties selection | Training & Exposure visits Awareness campaign | FLD Trials & demonstration Selection for higher yield | 05 | 03 | 0.90 |
| 3. | To promote cultivation of organic Kholar (French bean) | Create awareness on scientific bookkeeping and management of organic farms IPM/INM PHM | Planting time for seed and green vegetable Selection of suitable varieties with higher yield for marketing | Exposure visit On PHM, packaging & Organic management Trainings | PHM Storage & keeping quality | 03 | 03 | 0.70 |

B. HORTICULTURE

| | | | | | | | | |
|----|--|--|--|---|---|----|----|------|
| 1. | To promote Vegetable (cabbage & potato) | Technologies to increase production To reduce harvest losses Marketing linkage | To identify suitable and good quality seeds for hilly areas Develop biological control, measures Proper storage methods | Training, exposure visits, exhibition Formation of FOs | To identify suitable and quality planting materials Develop technologies using local knowledge | 04 | 03 | 1.00 |
| 2. | To promote orange cultivation To reduce post harvest losses | Correct planting methods Training & pruning PHM | Low cost technologies for small & marginal farms Indigenous technologies for storage | Demonstration Training, exposure visits, Linkage with input agents & market accessibility | To identify suitable variety for increasing production Disease & pest documentation | 03 | 03 | 1.20 |
| 3. | To increase Banana productivity To reduce post harvest losses | Develop GAP for hilly region Study & Control of diseases | High density planting system Contour & half moon terrace adoption De-suckering practices Correct state of harvesting for market | Exposure visits Training Linkage with input dealers | Control measures Storage systems & proper management aspects | 04 | 04 | 1.20 |

| C. SOIL & WATER CONSERVATION | | | | | | | | |
|---|---|--|---|---|---|----|----|------|
| 1. | To promote awareness in Natural Resource conservation | <ul style="list-style-type: none"> - soil conservation measures - Reclamation of degraded land | <ul style="list-style-type: none"> - Develop soil conservation methods using local techniques - Harness potential water resources | <ul style="list-style-type: none"> - Awareness campaign, motivational workshops, trainings - Maintenance of WHP/Farm ponds to arrest run-offs | Low cost indigenous conservation techniques | 03 | 03 | 1.20 |
| D. SERICULTURE | | | | | | | | |
| 1. | To increase quantity & improve quality of silk worm food(leaves) | <ul style="list-style-type: none"> - Introduce correct planting methods,HYV | <ul style="list-style-type: none"> - Introduce good agro-techniques | <ul style="list-style-type: none"> - Training & exposure visits - Demonstration - Awareness | Develop suitable hybrids for host plant & worms | 02 | 02 | 0.80 |
| E. LAND RESOURCES DEVELOPMENT | | | | | | | | |
| 1. | To increase production & productivity of lemon grass | <ul style="list-style-type: none"> - Adoption of IPM, HYV, Weed management & PHM | <ul style="list-style-type: none"> - Develop suitable P & P for local conditions | <ul style="list-style-type: none"> - Training & demonstration on agro-techniques, | Identification & documentation | 02 | 02 | 0.80 |
| 2. | To promote Apiculture | <ul style="list-style-type: none"> - Introduction of Modern Bee Keeping | <ul style="list-style-type: none"> - Identification & documentation of Indigenous Species & culture techniques | <ul style="list-style-type: none"> - Exposure visits | | | | |

| F. FISHERIES | | | | | | | | |
|---|---|---|--|---|--|----|----|------|
| 1. | To promote Fish production | <ul style="list-style-type: none"> - Stocking size & numbers - Disease management practices - Netting - Manuring management | <ul style="list-style-type: none"> - Feeding /Manuring for various fish species | <ul style="list-style-type: none"> - and Feeding rate & schedule | <ul style="list-style-type: none"> - To overcome oxygen depletion in ponds - Local management of feeding rate & schedule | 03 | 02 | 0.90 |
| G. VETINERARY & ANIMAL HUSBANDRY | | | | | | | | |
| 1. | <u>Mithun:</u> Promote productivity | <ul style="list-style-type: none"> - Feed & fodder management - Health care - Improve general management practices | <ul style="list-style-type: none"> - Develop management aspects and health care | <ul style="list-style-type: none"> - Training of farmers - Health care campaigns - Exposure visits | <ul style="list-style-type: none"> - Feed & fodder management - Develop general management practices | 03 | 02 | 1.00 |
| 2. | <u>Pig:</u> To increase productivity | <ul style="list-style-type: none"> - Training of farmers - Vaccine & health care camps | <ul style="list-style-type: none"> - Breed improvement through graded boar | <ul style="list-style-type: none"> - Awareness campaigns - Demonstrations - Health care | <ul style="list-style-type: none"> - Breed up gradation by cross breeding - Improving feeds & fodder | 03 | 02 | 1.00 |

Rs 11.70 lakh
(Rupees Eleven lakh seventy thousand)

TABLE 7.B

DISTRICT: LONGLENG ATMA

NUMBER OF BLOCK = 2(TWO)

DISTRICT ACTION PLAN FOR STRATEGIES THRUST AREAS FOR EXTENSION & RESEARCH PLAN PERIOD: 2010-11

| Sl. No | Strategies proposed | Thrust area for Extension | Short term Research need | Activities proposed | | Number of units | | Amount (Rs. In lakhs) |
|---|--|--|---|--|---|-----------------|----------|-----------------------|
| | | | | Extension | Research | Extension | Research | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. AGRICULTURE | | | | | | | | |
| 1. | To adopt improved technologies & promote technical practices | Orientation Courses on ATMA policy programmes Dissemination of technologies | Identification of Good quality seeds and location specific varieties | Training Orientation & Exposure tour Management, M & E courses | Farm trails, demonstration | 03 | 01 | 0.70 |
| 2. HORTICULTURE | | | | | | | | |
| 1. | To promote Vegetable cultivation | Orientation on new extension programme Adoption of GAP Impart improved farming practices | To identify suitable and good quality seeds and planting materials Correct planting method & optimum sowing season | Training, exposure visits, exhibition | To identify suitable and quality planting materials | 02 | 01 | 0.60 |
| 3. SOIL & WATER CONSERVATION | | | | | | | | |
| 1. | To promote Natural Resource Development | Orientation at all levels on new policy Promote conservation measures | Develop soil conservation methods using local techniques | Capacity building, campaign, trainings | Identify local conservation measures for adoption | 03 | 01 | 0.60 |

| 4. SERICULTURE | | | | | | | | |
|----------------------------------|--|--|--|---|---|----|----|------|
| 1. | To promote Mulberry /Eri silk worm cultivation | Create awareness on sericulture farming | - Identify suitable cocoon species and plant for local conditions | - Awareness campaign, trainings, Exposure visits | Low cost indigenous techniques | 03 | 03 | 1.20 |
| 5. LAND RESOURCE DEVELOPMENT | | | | | | | | |
| 1. | To promote - Preservation of indigenous MAP varieties of high economic value Agro forestry management | Create awareness Medicinal plants Promote effective farm management methods | - Documentation of local MAP & identification - To identify local economically viable trees | - Orientation & capacity building trainings & Exposure visits | - Develop production technologies for high value medicinal plants - Disease & pest management module | 03 | 02 | 0.80 |
| 6. FISHERIES | | | | | | | | |
| 1. | To promote Fish farming | Create awareness on good fishlings and management | - Technology for fish seed production and management | - Manuring and Feeding rate & schedule | - Study fir low cost fish culture | 03 | 03 | 1.20 |
| 7. VETINERARY & ANIMAL HUSBANDRY | | | | | | | | |
| 1. | Pig: To promote pig management and commercial piggery unit | Create awareness on hygienic management | - Develop management aspects and health care | - Breed up gradation by cross breeding | - Training of farmers - Exposure tour | 03 | 03 | 1.20 |

Rs 9.30 lakh
(Rupees Nine lakh thirty thousand only)

DISTRICT: KIPHIRE ATMA

TABLE 8: B

NUMBER OF BLOCK = 3(THREE)

**DISTRICT ACTION PLAN FOR STRATEGIES THRUST AREAS FOR EXTENSION, & RESEARCH SCHEME
PLAN PERIOD: 2010-11**

| Sl. No | Strategies proposed | Thrust area for Extension | Short term Research need | Activities proposed | | Number of units | | Amount (Rs. In lakhs) |
|---|---|--|---|--|---|-----------------|----------|-----------------------|
| | | | | Extension | Research | Extension | Research | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. AGRICULTURE | | | | | | | | |
| 1. | To increase Production & Productivity for rain fed paddy cultivation (Jhum) | - Promotion of improved seeds - Efficient Water Management | - Identification of Good quality seeds, - Promotion of indigenous technologies | - Training - Exposure tour - Rewards | - Farm trails, demonstration | 03 | 03 | 1.20 |
| 2. | To increase production productivity of Maize and value addition | - Promote HYV & Hybrid Maize - PHM | - Introduce good quality and location specific varieties | - Training & - Exposure visits | - FLD - Trials & demonstration | 03 | 03 | 1.20 |
| 2. HORTICULTURE | | | | | | | | |
| 1 | To promote Vegetable cultivation | - Adoption of good package of practices | - To identify suitable and good quality seeds. | - Training, exposure visits, exhibition | - To identify suitable and quality planting materials | 03 | 03 | 1.20 |
| 3. SOIL & WATER CONSERVATION | | | | | | | | |
| 1 | To promote Natural Resource Development | - Management of soil erosion - in-situ top soil conservation, | - Develop soil conservation methods using local techniques | - Awareness campaign, trainings | - Identify local conservation measures for adoption | 03 | 03 | 1.20 |

| 4. SERICULTURE | | | | | | | | |
|----------------------------------|--|---|---|--|---|----|----|------|
| 1 | To promote Mulberry /Eri silk worm cultivation | - Create awareness on sericulture farming | - Identify suitable cocoon species and plant for local conditions | - Awareness campaign, trainings, Exposure visits | - Low cost indigenous techniques | 03 | 03 | 1.20 |
| 5. LAND RESOURCE | | | | | | | | |
| 1 | To promote - Preservation of indigenous MAP varieties of high economic value | - Create awareness on Biodiversity and Medicinal plants | - Documentation of local MAP & identification | - Awareness campaign, trainings, Exposure visits | - Identify MAO for commercial cultivation | 03 | 03 | 1.20 |
| 6. FISHERIES | | | | | | | | |
| 1 | To promote Fish farming | - Create awareness on good fishlings and management | - Technology for fish seed production and management | - Awareness campaign, trainings, Exposure visits | - Study low cost fish culturing | 03 | 03 | 1.20 |
| 7. VETINERARY & ANIMAL HUSBANDRY | | | | | | | | |
| 1 | Pig-To promote pig management and commercial piggery unit | - Create awareness on hygienic management | - Develop management aspects and health care | - Training of farmers - Exposure tour | - Breed up gradation by cross breeding | 03 | 03 | 1.20 |
| 2 | To promote poultry production & management | - Create awareness on management | - Identify local management and good local breed for up-gradation | - Training of farmers - Exposure tour | - Identify local management and good local breed for up-gradation | | | |

Rs 9.30 lakh
(Rupees nine lakh thirty thousand only)

TABLE 9.B

DISTRICT: WOKHA ATMA

NUMBER OF BLOCK = 5(FIVE)

DISTRICT ACTION PLAN FOR STRATEGIES THRUST AREAS FOR EXTENSION & RESEARCH
PLAN PERIOD: 2010-11

| Sl. no | Thrust Area | Strategies | Activities | Qty/ Unit | Rate | Amount (Rs in lakh) |
|-----------------------|--|--|--|-----------|--------|---------------------|
| 1. AGRICULTURE | | | | | | |
| 1 | To increase rice production of winter TRC in foothill areas. | a) To motivate the farmers through FIGs for adoption of HYV and double cropping in rice. b) Technical input on package of practices. c) To generate better farm income | 1. Adoption of village for cultivation | 2 | 10,000 | 0.20 |
| | | | 2. Training and awareness programme | 2 | 8,500 | 0.17 |
| | | | 3. Season long training on package of practices | 4 | 8,500 | 0.36 |
| | | | 4. Procurement of HYV seeds for demonstration | 2 | 20,000 | 0.40 |
| 2 | Promotion of chilly cultivation to increase the production | i) To motivate the farmers to practice the recommended package of practices ii) Use of HYV, disease and pest resistant | 1. Training and awareness programme through FIGs/CIGs. | 1 | 7,500 | 0.40 |
| | | | 2. Demonstration | 1 | 10,000 | 0.10 |
| | | | 3. Training on package of practices | 2 | 8,500 | 0.17 |
| | | | 4. Facilitating in market linkage | | | |
| 3 | To promote organic farming for a selected crops | 1) To impart training through FIGs/CIGs 2) Demonstration | a) Training, orientation | 3 | 8,500 | 0.25 |
| | | | b) Training on organics farming through FIGs/CIGs, FO etc. | 1 | 8,500 | 0.085 |

| | | | | | | |
|---|--|---|---|--------------|--------------|-------|
| 4 | Promotion of vermicompost | 1) Adoption of vermiculture through FIGs/CIGs | 1) Training on vermiculture | 1 | 8,500 | 0.085 |
| | | | 2) Setting up of vermicompost unit | 5 | 20,000 | 1.00 |
| | | | 3) Exposure trip | 30 | 50,000 | 0.50 |
| | | | 4) Documentation and distribution of leaflet and literature | | 20,000 | 0.20 |
| | | | | | | |
| 2. HORTICULTURE | | | | | | |
| a. | Reduction in post harvest losses of fruits and vegetables | i) Training on post harvest management of fruits and vegetables | i) Demonstration | 1 | 10,000 | 0.10 |
| | | | ii) Training | 1 | 8,500 | 0.085 |
| | | | iii) Exposure visit to juice processing unit | 1 | | 0.50 |
| b. | Mushroom cultivation | i) Income generation for rural youths and women through CIGs | 1. Procurement of mushroom | 1000 pks | 20 | 0.20 |
| | | | 2. Training | 2 nos. | 17,000 | |
| | | | 3. Demonstration | 2 units | 20,000 | |
| c. | Production of banana on commercial still by using HYV | i) To promote TC banana for increase in productivity and income generation | 1. Procurement of TC banana for trail and demonstration. | 2000 unit | 25/- | 0.30 |
| | | | 2. Training on package of practices | 2 | 8500 | 0.17 |
| | | | 3. Exposure visit | 1 | | 0.50 |
| | | | | Total | 1.855 | |
| 3. SOIL & WATER CONSERVATION | | | | | | |
| 1 | Water resources are not harvested properly thereby drought like situation is a common occurrence during dry spell. | 1. The strategy is to disseminate technical knowledge in harnessing the nature resource by constructing WHP | a. Awareness campaign | 2 | 15,000 | 0.30 |
| | | | b. Construction of WHP | 2 | 15,000 | 0.30 |
| | | | c. Training | | | |

| | | | | | | |
|--------------------------------------|--|---|--|------------------|----------------------------------|------------------------------|
| 2 | Soil conservation method through agro forestry and horticulture | 1. The strategy is to make the farming system sustainable and horticulture system of farming | 1. Training 2. Exposure visit | 1 1 | 8500 50,000 | 0.085 0.50 |
| 3 | Soil testing | 1. Testing of NPK and micro nutrients in orchard and fields to the soil fertility statue and sustainability of corps. | 1. Soil sample collection and analysis 2. Procurement of soil testing kit | Lump Sum | Lump Sum | 0.50 |
| Total | | | | | | 1.685 |
| 4. LAND RESOURCES DEVELOPMENT | | | | | | |
| 1 | Reduction in post harvest loss of chilly and turmeric | 1. Training and demonstration on home scale preservation and value addition | 1. Training 2. Demonstration | 5 5 | 8500 10,000 | 0.425 0.50 |
| 2 | Preservation and promotion of indigenous medicinal plant | 1. To encourage cultivation of local medicinal plants through CIGs 2. Identification & documentation of medicinal & aromatic plant to avoid exploitation | 1. Training and awareness 2. Documentation 3. Exposure visit | 2 2 1 1 | 8500 8500 50,000 50,000 | 0.17 0.17 0.50 0.50 |
| Total | | | | | | 2.265 |
| 5. SERICULTURE | | | | | | |
| 1 | Promotion and establishment of kesew and payam nursery | 1. To impart training on package and practices 2. To identify CIGs for setting up of nursery | 1. Demonstration 2 Training on nursery management | 2 2 2 | 10,000 8500 8,500 | 0.20 0.17 0.17 |
| 2 | Promotion of handloom activities through locally produced silk or yarn | 1. Training on rearing and spinning 2. Promotion of shuttle handloom | 1. Training 2. Demonstration 3. Exposure trip to Assam or west Bengal | 1 1 1 | 8,500 10,000 | 0.085 0.10 0.50 |
| Total | | | | | | 1.225 |

| 6. FISHERY | | | | | | |
|---|---|--|--|---|---|--|
| 1 | Identification of fish production | 1. To increase productivity of fish | 1. Farmers training 2. Fingerling support 3. Training on seed production | 1 1 1 | 8,500 8,500 20,000 | 0.085 0.085 0.20 |
| 2 | Promotion of good market and storage facilities | 1. The production of Doyang fish is increasing but the marketing channel and facilities is not good | 1. Facilitating in market linkage 2. Training on storage facilities 3. Exposure visit | LumpSum 1 1 | 20,000 8,500 50,000 | 0.20 0.085 0.50 |
| | | | | | Total | 1.155 |
| 7. VETERINARY & ANIMAL HUSBANDRY | | | | | | |
| 1. | Upgradation of breed and health care of cattle | 1. To increase milk production and awareness about the health of the cattle 2. To increase meat production | 1. Training 2. Demonstration 3. Health care camp | 3 4 2 | 8,500 10,000 20,000 | 0.255 0.40 0.40 |
| 2. | Selection of adaptable local breeds | 3. To encourage and motivate the farmers showing interest 4. To motivate and encourage the farmer 5. To help and facilitate the farmers to adopt modern package of practices. 6. To know the merits and demerits and to assess the economic sustainability. 7. To increase milk production and awareness about the health of the cattle. 8. To increase meat production | a) Training b) Identification and documentation c) Exposure visits - Within the state - Within the block - Within the district - Short term research 1. Training 2. Demonstration 3. Health care camp i) Training ii) Identification and document iii) Exposure visits | 2 1 1 2 7 2 1 3 4 2 2 1 1 | 8,500 50,000 50,000 0.50/unit 15,000 10,000 1.00. 8,500 10,000 20,000 8,500 50,000 50,000 | 0.17 0.50 0.50 1.00 1.05. 0.20. 1.00. 0.255 0.40 0.40 0.17 0.50 0.50 |
| | | | | | Total | 7.7 |
| | | | | | Grand Total | 19.805 |

(Rupees nineteen lakh eighty thousand and five) only

TABLE 10.B

DISTRICT: ZUNHEBOTO ATMA

NUMBER OF BLOCK = 6(SIX)

DISTRICT ACTION PLAN FOR STRATEGIES THRUST AREAS FOR EXTENSION & RESEARCH EXTENSION REFORM

PLAN PERIOD: 2010-11:

| Sl. No. | Strategies proposed | Thrust area for Extension | Short term Research need | Activities proposed | | Number of units | | Amount (Rs. In lakhs) |
|-----------------------|---|---|--|--|-----------------------------------|-----------------|----------|-----------------------|
| | | | | Extension | Research | Extension | Research | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 1. AGRICULTURE | | | | | | | | |
| 1. | Paddy - Identification of suitable rain fed paddy in both TRC & Jhum paddy, | - Promotion of improved seeds and HYV - Adoption of IPM methods - Efficient Water Management - PHM | - Identification of Good quality seeds, - Short duration, & resistance varieties - Optimum time for sowing/harvesting, - - Promotion of indigenous technologies | - Training - Exposure tours - Exhibition | - Farm trails, demonstration | 05 | 03 | 1.50 |
| 2. | Maize - To increase & productivity of Maize and value addition | - Promote HYV & Hybrid Maize - PHM | - Introduce good quality and location specific varieties - To study cost-benefit ratio for higher economic return | - Training & capacity building | - FLD - Trials & demonstration | 03 | 03 | 1.40 |
| 3. | Ginger - To produce quality ginger - Value addition Adopt IPM/INM | - Create awareness on PHM and value addition - Diseases & Pest and biological control measures | - PHM - Low cost storage | - Exposure visit for value addition - Exhibition - Seed money - FIG/SHG | - PHM - Low cost storage | 10 | 03 | 1.70 |

| 2. HORTICULTURE | | | | | | | | |
|------------------------------|---|--|---|---|--|----|----|------|
| 1. | Banana, Passion Fruit, Pineapple, Orange, Tomato, Chilli, Cardamom | <ul style="list-style-type: none"> - Productivity improvement - To reduce post harvest losses - PHM - Value addition - Market linkage | <ul style="list-style-type: none"> - Correct planting methods and system - Proper seed selection & treatment - Suitable Processing methodologies - Biological control of insect pest - Vermicomposting PHM | <ul style="list-style-type: none"> - T/D/Exposure trips - Good sees selection and awareness training for - Farmers & functionaries | FLD and on-farm trails | 06 | 03 | 1.70 |
| 3. SOIL & WATER CONSERVATION | | | | | | | | |
| 1. | Vermicomposting - To increase production | <ul style="list-style-type: none"> - Use of efficient species of earthworm - Development of local low cost vermicomposting technology | <ul style="list-style-type: none"> - Identify local materials for vermicomposting | <ul style="list-style-type: none"> - Awareness campaign, exposure trips, trainings | Low cost techniques | 10 | 03 | 1.70 |
| 4. SERICULTURE | | | | | | | | |
| 1. | Mulberry /Eri silk worm - Increase in quantity & quantity of leaves | <ul style="list-style-type: none"> - Create awareness on quality leaves and cocoon - Awareness on insect pest & diseases and control measures | <ul style="list-style-type: none"> - Develop technologies for local conditions for increasing production and quality cocoons - Introduce good agronomic practices and quality culturing | <ul style="list-style-type: none"> - Promote use of Motorized shuttle loom - Training & exposure visits - Demonstration | Location specific varieties of mulberry and other plants | 08 | 03 | 1.50 |

| 5. LAND RESOURCE | | | | | | | | |
|----------------------------------|---|--|---|--|--|----|----|------|
| 1. | Patchouli, Geranium, & Lemon grass -Increase production, productivity | - Create awareness on cultivation and economic aspect of patchouli, geranium & lemon grass | - Identification & documentation and development of suitable P&P/technology | - T/D/exposure tours | - Identification & documentation and development of suitable P&P/technology | 07 | 03 | 1.70 |
| 6. FISHERIES | | | | | | | | |
| 1 | Fish - To increase productivity of fish | - Promote methods to increase productivity of fish - Management of ponds | - Technology for fish seed production and management | - Manuring of ponds - Feeding rate & schedule | - Develop local Technology for fish seed production and management | 07 | 03 | 1.40 |
| 7. VETINERARY & ANIMAL HUSBANDRY | | | | | | | | |
| 1. | Cattle Milch Pig & Poultry -To increase milk production -To increase meat production | - Develop management aspects and health care - Breed upgradation - Improving feed and fodder | - Develop management aspects and health care - Breed upgradation | - Demonstration & training - Study visits | - Adaptive Research in collaboration - Training of farmers - Vaccine & Animal health - AI | 04 | 04 | 1.60 |

Rs 15.20 lakh
(Rupees fifteen lakh and twenty thousand) only

TABLE 11.B

DISTRICT: PEREN ATMA

NUMBER OF BLOCK = 6(SIX)

**DISTRICT ACTION PLAN FOR STRATEGIES THRUST AREAS FOR EXTENSION & RESEARCH EXTENSION REFORM
PLAN PERIOD: 2010-11**

| SI No | Strategies proposed | Thrust Area for extension | Short term research need | Activities proposed (Units) | | Activity | Cost norms (Rate) | 2010 - 2011 | Total Amount (Rs) |
|-------|--|---|--|---|--|--------------------------------|-------------------|-------------|-------------------|
| | | | | Extension | Research | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 |
| 1 | AGRICULTURE Productivity improvement by intensification & technology adoption under rain fed situation | - Promotion of improved local varieties | - Identification of good quality seeds - Promotion of indigenous technologies | Farmers training 10 Nos | On field trials 6 Nos | Training | 0.10 | 1.00 | 1.00 |
| | | | | | | Field trials | 0.15 | 0.90 | 0.90 |
| | To increase productivity & production of broadcasted /transplanted paddy | - Promotion of HYV for higher altitude. - Adoption of IPM/ INM, water management | - GAP for improving production | Demonstration 6 Nos | Field Trials 6 Nos | Demos. | 0.08 | 0.48 | 0.48 |
| | | | | | | Field Trials | 0.09 | 0.54 | 0.54 |
| 2 | HORTICULTURE To promote vegetable cultivation | - To increase production by adoption of good package of practices | - To identify suitable - & good quality seeds | Training, 6 Nos Exposure trips 2 Nos (Inter-district) Exhibition 2 Nos | Trials to identify high yielding/good quality seeds 4 Nos | Training | 0.10 | 0.60 | 0.60 |
| | | | | | | Exposure trip (Inter-district) | 0.50 | 1.00 | 1.00 |
| | | | | | | Exhibition | 0.40 | 0.80 | 0.80 |
| | | | | | | Trials | 0.085 | 0.34 | 0.34 |

| | | | | | | | | | |
|---|---|---|--|--|---|-----------------------------|------|------|------|
| | To promote pineapple cultivation | - Productivity improvement by overcoming technology gap | - Processing & value addition | Demonstration 6 Nos | Processing & value addition | Demos. | 0.08 | 0.48 | 0.48 |
| | | | | Farmers training 6 Nos | | Farmers training | 0.08 | 0.48 | 0.48 |
| | | | | Exposure trip 4 No. (All blocks combined) | | Exposure trip (Block level) | 0.30 | 1.20 | 1.20 |
| 3 | LAND RESOURCES To promote Medicinal & Aromatic Plants | - Promotion of MAP | - Identify high yielder & GAP for local situation | Training 10 Nos | Identify high yielder & GAP for local situation | Training | 0.08 | 0.80 | 0.80 |
| | | | | Demonstration 6 Nos | | Demos | 0.09 | 0.54 | 0.54 |
| | | | | Exposure trip 2 Nos (Block level) | | Exposure trip | 0.30 | 0.60 | 0.60 |
| 4 | SOIL & WATER CONSERVATION. To promote Natural Resources Development | - Management of soil erosion in shifting cultivation - Water harvesting structure. - In-situ top soil cultivation | - Develop soil conservation methods using local techniques | Awareness campaign, motivational workshop, 3 Nos | Low cost indigenous conservation techniques & trials 6 Nos | Training | 0.08 | 0.48 | 0.48 |
| | | | | Trainings 6 Nos | | Demos | 0.15 | 0.45 | 0.45 |
| | | | | | | Trials | 0.10 | 0.60 | 0.60 |

| | | | | | | | | | |
|---|---|--|---|--|---|--------------------------------------|------|------|------|
| 5 | FISHERIES Intensification of fish production | <ul style="list-style-type: none"> - Paddy cum fish culture. - Expansion of composite pesiculture. - Promote disease free fingerling production | <ul style="list-style-type: none"> - Technology for fish seed production and management. - Brooder fish pond management & technology for fish seed production | Farmers training 10 Nos | <ul style="list-style-type: none"> - Technology for fish seed production and management. - Brooder fish pond management. - Technology for fish seed production | Farmers Training | 0.08 | 0.80 | 0.80 |
| | | | | Demonstration 10 Nos | | Demos | 0.09 | 0.90 | 0.90 |
| | | | | Health care management 4 Nos (District level) | | Management Training | 0.40 | 1.60 | 1.60 |
| 6 | SERICULTURE i).To increase silk production ii).To popularize mulberry cultivation iii).Value addition and market linkages | <ul style="list-style-type: none"> - To promote production of quality & quantity of cocoons. - Control of diseases, pest on plant & silkworms. | <ul style="list-style-type: none"> - Selection of high yielders. - Developing technologies for local conditions | Farmers training 6 Nos | <ul style="list-style-type: none"> - Selection of high yielder. - Developing technologies for local conditions | Training | 0.08 | 0.48 | 0.48 |
| | | | | Demonstration 6 Nos | | Demos | 0.09 | 0.54 | 0.54 |
| | | | | Awareness programme. Health care & Management 2 Nos (District Level) | | Management training (District level) | 0.40 | 0.80 | 0.80 |

| | | | | | | | | | |
|---------------|--|--|--|--|--|--|------|--------------|--------------|
| 7 | VET. & A.H Production of milk and meat | <ul style="list-style-type: none"> - To increase meat productivity in cow, poultry & pig. - To increase egg production | <ul style="list-style-type: none"> - Selection of good breed for meat & egg production. - Developing technology for local conditions | Health care and management. 2 Nos | <ul style="list-style-type: none"> - Selection of good breed for meat & egg production. - Developing technology for local conditions | Management training (District level) | 0.50 | 1.00 | 1.00 |
| | | | | Breed upgradation campaign through AI 2 Nos (Dist. Level) | | Breed upgradation campaign (Dist. Level) | 0.60 | 1.20 | 1.20 |
| Total: | | | | | | | - | 18.61 | 18.61 |

(Rupees Eighteen lakh sixty one thousand only)