

## EXTERNALLY FUNDED PROJECTS

### PLANT BREEDING

| Sl. No. | Name of the project                      | Year of start | Year of completion | Present status |
|---------|--|---------------|--------------------|----------------|
| 1       | NAIP on Bioprospecting and allele mining | 2009          | 2012               | On going       |
| 2.      | DBT project on Quality Protein Maize     | 2009          | 2014               | On going       |

### AGRONOMY (HQ)

| Sl. No. | Name of the project   | Year of start | Year of completion | Present status      |
|---------|---|---------------|--------------------|---------------------|
| 1.      | NAIP Project on “Livelihood Improvement and Empowerment of Rural Poor through Sustainable Farming Systems in North East India under (SRLS) Component III” | 2007          | 2012               | Work is in progress |
| 2.      | Mobilizing mass media support for sharing agro-information.   | 2009          | 2012               | Work is in progress |

### ENTOMOLOGY (HQ)

| Sl. No. | Name of the project   | Year of start | Year of completion | Present status |
|---------|---|---------------|--------------------|----------------|
| 1       | Survey of rodent species and establishment of relationship between rodent upsurge and bamboo flowering in Meghalaya and Mizoram | 2004          | 2007               | Completed      |
| 2       | Implementation and formulation of technology for the control of eggplant fruit & shoot borer in NEH Region                      | 2003          | 2006               | Completed      |
| 3       | Introduction of <i>Apis</i>   | 1995          | 1997               | Completed      |

|   |  |      |      |           |
|---|--|------|------|-----------|
|   | <i>mellifera</i> for pollination efficiency in horticultural crops in Meghalaya  |      |      |           |
| 4 | DST-Women Scientist-A<br>“Investigation on indigenous entomopathogenic nematodes for the management of major insect pests of vegetable crops in Meghalaya” | 2006 | 2008 | Completed |

## HORTICULTURE (HQ)

| Sl. No | Title of the project  | PI/ Co-PI          | Year of Start | Year of completion | Present status |
|--------|---|--------------------|---------------|--------------------|----------------|
| 1      | ICAR-DBT complex for post harvest management practices of horticultural crops   | Dr. Bidyut C. Deka | 2009-10       | 20013-14           | On going       |
| 2      | Technology Mission for Integrated Development of Horticulture in NE States, Sikkim, HP, Uttranchal and J&K  | Dr. Bidyut C. Deka | 2001-02       | -                  | On going       |
| 3      | Multilocalational field trials of turmeric var. Lakadong under different agro-climate zones of NE India for ascertaining factors influencing curcumin content | Dr. A. K. Jha      | 2006-07       | March, 2.10        | Completed      |

## AGRIL ENGINEERING (HQ)

| Sl. No. | Name of the project                      | Year of start | Year of completion | Present status |
|---------|--|---------------|--------------------|----------------|
| 1.      | Watershed Technology (Mission Mode)      | December 1999 | October 2004       | Completed      |
| 2.      | Hydrological Behavior of small Watershed | August        | December           | Completed      |

|    |   |            |            |            |
|----|---|------------|------------|------------|
|    | and Sustainability of Production System   | 1999       | 2004       |            |
| 3. | Development of Model Watershed under National Watershed Development Project for Rainfed Areas (NWDPRAs) | April 2004 | June 2009  | Completed  |
| 4. | Agromet Advisory Services   | March 1996 | Continuing | Continuing |

## SOIL SCIENCE (HQ)

| Sl. No. | Name of the project   | Year of start | Year of completion | Present status  |
|---------|---|---------------|--------------------|---|
| 1.      | “Land use change detection on adoption of sustainable farming system and livelihood of rural poor: A remote sensing and GIS approach”-Under <i>NAIP Component-III</i> | March, 2010   | February, 2012     | -Digital boundary of the study area (cluster of villages) has been demarcated.<br>-Base line information on various agro-physical input parameters of the study area (South Garo hills & Dhalai) have been collected.<br>-Procurement of instruments and image processing software's (ERDAS IMAGINE-2010, Arc GIS) are on progress.<br>-Intend to acquire satellite data (LISS-IV) of the study area has been submitted to NRSC, Hyderabad. |

## AGROFORESTRY (HQ)

| Sl. No. | Name of the Project   | Year of start | Year of completion | Present Status |
|---------|---|---------------|--------------------|----------------|
| 1       | Evaluation of <i>Jatropha</i> provenances for growth and yield attributes under National Network project on Integrated Development of <i>Jatropha</i> | August 2005   | March 2011         | Continuing     |

## WATER MANAGEMENT (HQ)

| Sl. No. | Name of the Project  | Year of Start | Year of Completion | Present status |
|---------|--|---------------|--------------------|----------------|
| 1.      | “Scaling Up of water Productivity in Agriculture for Livelihood through Teaching cum Demonstration”<br>(Sponsored by the Ministry Agriculture, Govt. of India) | 2007          | 2012               | Continuing     |

## ECONOMICS & STATISTICS (HQ)

| Sl. no. | Name of the project   | Year of start | Year of completion | Present status   |
|---------|---|---------------|--------------------|--|
| 1       | NAIP Component 1: Strengthening Statistical Computing for NARS  | 2009          | 2012               | Completed the installation of various equipments and the training lab is ready for use. Installation of the software is under process. |
| 2.      | Managing Rice Landscapes in Marginal Uplands for Household Food Security and Environmental Sustainability (IRRI). | 2006          | 2009               |  |
| 3.      | Opportunities and Constraints of Organic Agriculture in Meghalaya: An Economic Analysis (NABARD).                 | 2007          | 2009               |  |

## ANIMAL PRODUCTION (HQ)

| Sl. No | Name of the project   | Name of the P.I  | Present status |
|--------|---|------------------|----------------|
| 1.     | Characterization of damages to boar spermatozoa during cryopreservation and attempts to minimize at molecular level | Dr. A. Kumaresan | On going       |

|    |   |                 |          |
|----|---|-----------------|----------|
| 2. | Dissemination of superior germ plasm of pigs through artificial insemination technology to improve the livelihood of tribal people. | Dr. G. Kadirvel | On going |
|----|---|-----------------|----------|

## ARUNACHAL PRADESH CENTRE

| Sl.No. | Name of the project   | Year of Start | Year of completion | Present status |
|--------|---|---------------|--------------------|----------------|
|        | <b>Under NHB</b>  |               |                    |                |
| 1      | Scientific cultivation & year round production:A ray of hope for pineapple growers of A.P.  | 2009          | 2011               | Started        |
| 2      | Mother nursery,Basic quality planting material generation and transfer of production technology and rejuvenation of old declining orchard of khasi mandarin orange:A boon to orange growers of AP | 2009          | 2011               | Started        |
| 3      | Post harvest handling of horticultural produces in west siang district of AP- A need of the hour  | 2009          | 2011               | Started        |
| 4      | Banana:Potential crop for livelihood improvement in AP  | 2009          | 2011               | Started        |
| 5      | Horticulture based farming system for sustainable income and livelihood improvement of poor and marginal farmers of AP:A need of the hour   | 2009          | 2011               | Started        |
|        | <b>Under Technology Mission (MM-1)</b>  |               |                    |                |
| 6      | CSS technology mission for Integrated Development of Horticulture in North Eastern states including Sikkim,Uttaranchal, J&K and Himachal Pradesh  |               | continue           | Encouraging    |

## MANIPUR CENTRE

EXTERNALLY FUNDED PROJECTS: Nil

## TRIPURA CENTRE

|     |  |              |           |                      |
|-----|--|--------------|-----------|----------------------|
| 1.  | CSS-Technology Mission for Integrated Development of Horticulture in NE States including J&K, Uttaranchal and Himachal Pradesh.  | 2001         | -         | Ongoing              |
| 2.  | Participatory Demonstration of Tuber crops Technologies in Tribal Areas of West Tripura funded by NABARD.  | 2008         | 2010      | completed            |
| 3.  | Endocrine Profiles and Characterization of Candidate Genes Influencing Prolificacy in Bengal Goat (Funded by National Fund for Basic & Strategic Research PIU-NAIP, New Delhi) | 2007         | 2012      | Ongoing              |
| 4.  | IRRI upland Shuttle Breeding,  | 2002         | -         | Ongoing              |
| 5.  | BMGF of stress breeding  | 2002         | -         | Ongoing              |
| 6.  | Soil Health Card   | 2002         | 2010      | Ongoing              |
| 7.  | National Integrated Development of Jatropha Project  | 2008         | -         | Ongoing              |
| 8.  | Development of Agroforestry for organic food production in Tripura   | 2006<br>2008 | 2010<br>- | Ongoing<br>Completed |
| 9.  | Agromet Advisory Service   | 1997         | 2012      | Ongoing              |
| 10. | <u>NAIP Sub-Projects at Dhalai District of Tripura</u>   |              |           |                      |
|     | Development of agroforestry based farming system models for sustainable  | 2007         | 2012      | Ongoing              |

|  |   |      |      |         |
|--|---|------|------|---------|
|  | land management in Dhalai district of Tripura.  |      |      |         |
|  | Goat raising for rural livelihood improvement   | 2007 | 2012 | Ongoing |
|  | Pig raising for rural livelihood improvement  | 2010 | 2012 | Ongoing |
|  | Dissemination of improved germplasm of backyard poultry for better livelihood of rural people                                       | 2007 | 2012 | Ongoing |
|  | Farmers participatory research on fish production in homesteads using grass carp as a principal component in composite fish culture | 2007 | 2012 | Ongoing |
|  | Improvement in animal productivity through augmentation of feed resource base in Dhalai district                                    | 2007 | 2012 | Ongoing |
|  | Food security through enhancement of productivity and production of rice in Dhalai of Tripura”.                                     | 2007 | 2012 | Ongoing |
|  | Evaluation of indigenous and improved maize varieties and hybrids as food, feed and fodder in Dhalai district of Tripura            | 2007 | 2012 | Ongoing |
|  | Improvement of productivity and profitability through fruit based cropping system in tilla land of Dhalai                           | 2007 | 2012 | Ongoing |
|  | Demonstration of tuber crops as component in the integrated farming systems in Dhalai district of Tripura                           | 2007 | 2012 | Ongoing |
|  | “Improvement of livelihood by mushroom cultivation”.  | 2007 |      | Ongoing |

## MIZORAM CENTRE

| Sl. No. | Name of Project               | Year of start | Year of completion | Present status |
|---------|-------------------------------|---------------|--------------------|----------------|
| 1.      | Technology Mission, MM-I, CSS | 2003          | 2012               | Experiments in |

|    |   |      |      |                         |
|----|---|------|------|-------------------------|
|    | (Horticulture) Integrated development of horticulture in North Eastern states including Sikkim, Jammu and Kashmir, Himachal Pradesh and Uttranchal (CCPI: K.A. Pathak, Associates: B.K. Singh and T. Boopathi)                |      |      | progress                |
| 2. | NAIP - Livelihood improvement and empowerment of rural poor through sustainable farming systems in North East India (Cluster Leader: K.A. Pathak, Programme Leader: T. Boopathi, B.K. Singh, Y. Ramakrishna and Lalhruaipuii) | 2007 | 2012 | Experiments in progress |
| 3. | Integrated Agromet Advisory Services  | 2007 | 2012 | Experiments in progress |

## SIKKIM CENTRE

### A.NAIP

| Sl.No. | NAIP-III  | Year of Start | Year of completion | Present Status |
|--------|---|---------------|--------------------|----------------|
| 1.     | Livelihood improvement and empowerment of rural poor through sustainable farming system in North Eastern Region | 2007          | 2012               | Ongoing        |

### Sub Project under NAIP- Component III

|      |   |   |   |         |
|------|---|---|---|---------|
| i.   | Use of dolomite and other organic sources for soil acidity management                     | - | - | Ongoing |
| II.  | Women empowerment through various income generation activities                            | - | - | Ongoing |
| iii. | To develop suitable feed storage technology for availability of the fodder round the year | - | - | Ongoing |
| iv.  | Composite fish culture in harvested water in sub temperate region                         | - | - | Ongoing |



|                              |  |   |   |                |
|------------------------------|--|---|---|----------------|
| v.                           | Introduction of nursery technology for major horticultural crops | – | – | ongoing        |
| vi.                          | Improvement of livelihood of rural poor through pig production   | – | – | Ongoing        |
| vii.                         | Artificial insemination of cattle for genetic improvement        | – | – | Ongoing        |
| viii                         | Artificial insemination of cattle for genetic improvement        |   |   |                |
| <b>2. NAIP- Component II</b> |  |   |   |                |
| i.                           | A value chain on selected aromatic plants of North East India    | – | – | Ongoing        |
| <b>3.</b>                    | <b>NAIP- Component- 1</b>  |   |   | <b>Ongoing</b> |
|                              | Development and maintenance of Rice Knowledge Management Portal  | – | – | Ongoing        |

### B. Other Projects

| Sl.No | Name of the Project  | Year of start | Year of completion | Present Status |
|-------|--|---------------|--------------------|----------------|
| 1.    | Technology mission for integrated development of Horticulture in NEH Region  | 2001          | Continued          | Ongoing        |
| 2     | frieswal Field progeny testing unit project  | 2009          | 2012               | Ongoing        |
| 3.    | Conservation and multiplication of Yak of sub-Himalaya region using assisted reproductive technology   | 2009          | 2012               | Ongoing        |
| 4.    | Management of soft rot of ginger   | 2009          | 2013               | Ongoing        |
| 5.    | Documentation on, on-farm conservation of native and underutilized crop cultivars of Sikkim, promoting their cultivation by value addition, capacity building of farmers in seed production and conservation of agro-biodiversity. | 2009          | 2014               | Ongoing        |
| 6.    | Sustainable utilization of mountain  | 2008          | 2012               | Ongoing        |

|    |  |      |      |         |
|----|--|------|------|---------|
|    | fisheries resources  |      |      |         |
| 7. | Poultry Seed Project   | 2009 | 2012 | Ongoing |
| 8  | DNA Fingerprinting and chemo profiling of traditional ginger cultivars of North East India | 2008 | 2011 | Ongoing |

## **NAGALAND CENTRE**

| <b>Sl. No.</b> | <b>Name of the Project</b>  | <b>Year of start</b> | <b>Year of completion</b> | <b>Present status</b> |
|----------------|---|----------------------|---------------------------|-----------------------|
| 1.             | Livelihood Improvement and Empowerment of Rural Poor through Sustainable Farming Systems in Mon District of Nagaland (NAIP) | 2007                 | 2012                      | ongoing               |
| 2.             | Mega Seed Project on pig  | 2008                 | 2012                      | ongoing               |
| 3.             | Poultry Seed Project  | 2007                 | Continued                 | ongoing               |
| 4.             | Horticulture Technology Mission (HTM)   |                      |                           | ongoing               |
| 5.             | Development of Non-forest Wastelands through Agro-forestry Models in Nagaland State of NEH Region                           | 2007                 | 2012                      | ongoing               |
| 6              | Integrated Watershed Development for Livelihood Security and Natural Resources Management                                   | 2003                 | 2009                      | completed             |
| 7              | Integrated Agro-advisory Services (IAAS)  | 2008                 | Continued                 | ongoing               |