

CHAPTER XI

FOREST RESEARCH CENTRE HYDERABAD

The Forest Research Centre (FRC), Hyderabad started functioning under the administrative control of Institute of Wood Science and Technology, Bangalore, since July, 1997. The Centre was established to meet the research needs of the southern dry deciduous ecosystem of the states of Andhra Pradesh, Karnataka and Goa on all field of Forestry Research.

PROJECTS COMPLETED DURING THE YEAR 2004-2005

NIL.

PROJECTS CONTINUED DURING THE YEAR 2004-2005

Project 1: Performance of different agroforestry Systems in Semi-arid Tropics of Andhra Pradesh [FRC -01/AF-01/2001-2006]

Status: On station trials of Teak + Sandal, Rose wood + Sandal, Eucalyptus + Sandal and Teak + Sandal + Rose wood have been established and castor as a rainfed crop was raised. The castor growth and performance was monitored across different tree combinations.

Project 2: Screening of natural populations of *Lagerstroemia* spp. for domestication [FRC-05/TI-02/2003-2006]

Status: Two species of *Lagerstroemia* prevalent in Andhra Pradesh and Karnataka were surveyed and several populations were identified. The process of germplasm collection has been initiated.

Project 3: Natural variation studies in Rose wood (*Dalbergia latifolia* Roxb.) for tree improvement [FRC-04/TI-02/2003-2006]

Status: The plus trees were marked in various parts of the Andhra Pradesh and Karnataka. The process of germplasm collection has been initiated.

Project 4: Estimation of Variability in *Pterocarpus marsupium* and germplasm collection [FRC-07/TI-04/2003-2005]

Status: The plus trees were marked in various parts of the Andhra Pradesh and Karnataka. The process of germplasm collection has been initiated.

Project 5: Studies on phenotypic variation in *Pterocarpus santalinus* and collection of germplasm [FRC-04/TI-01/2003-2005]

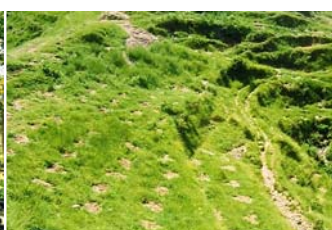
Status: Kurnool, Cuddapah and Chittoor districts of Andhra Pradesh were surveyed and tree species for collection of germplasm was identified.

Project 6: Dynamics of Insect Populations in Cotton based Agroforestry Systems of Andhra Pradesh [FRC-08/EB-04/2002-2005]

Status: Data is being collected from time to time on the incidence of insect pest on the tree and cotton crop along with the spectrum of natural enemies in the canopy of various systems under investigation.

Project 7: Reclamation of Iron Ore, limestone mine spoils in Andhra Pradesh and Karnataka [FRC-03/EB-02/2002-2005]

Status: The work is in progress.



Project 8 : Assessment of the impact of forest fire on regeneration of forests in Andhra Pradesh [FRC-01/EB-01/2002-2005]

Status: Phyto-social studies have been conducted. Soil samples have been collected and is in progress.

NEW PROJECTS INITIATED DURING THE YEAR 2004-2005

Project 1: Estimation of Forest Carbon Pool in Western Ghats, Karnataka –Development of biomass expansion factors for major forest types [FRC-10/CC-01/2004-2006]

Status: Root biomass estimation in respect of the tropical deciduous forests is being done and data is being collected on different aspects.

Project 2: Impact of the Clonal Eucalyptus plantations on soil, physical and chemical properties in farmers land in Andhra Pradesh [FRC-10/SS-01/2004-2006]

Status: Soil samples were collected from the Eucalyptus clonal plantation of different ages and analysis is being done.

PROJECTS COMPLETED DURING THE YEAR 2004-2005

(Externally Aided)

NIL.

PROJECTS CONTINUED DURING THE YEAR 2004-2005

(Externally Aided)

Project 1: Estimation of Forest Carbon Pool in Western Ghats, Karnataka –Development of biomass expansion factors for major forest types [2004-2007]

Status: Root biomass estimation in respect of the tropical deciduous forests is being done and data is being collected on different aspects.

RESEARCH ACHIEVEMENTS

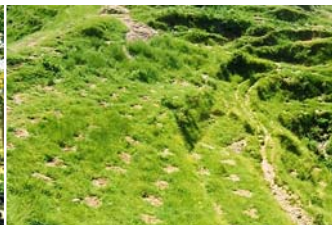
Name of State	No. of Projects completed in 2004-2005	No. of on-going Projects in 2004-2005	No. of Projects initiated in 2004-2005
Andhra Pradesh	Nil	2	6
Karnataka	Nil	1	1
Goa	Nil	Nil	Nil

TECHNOLOGY ASSESSED AND TRANSFERRED

As part of transfer of technology programme, demonstration plantations have been established in FRC, Hyderabad campus in the field of Agroforestry systems.

EDUCATION AND TRAINING

A group of twenty five educated youth under an NGO, Village Reconstruction Organisation (India), visited the Centre. On going research and other developmental activities in



forestry sector with respect to employment opportunities to rural youth were discussed.

LINKAGES AND COLLABORATION

National

FRC, Hyderabad presently have two ongoing Projects in collaboration with NRSA, Hyderabad, ITC-PSPD, Bhadrachalam, Andhra Pradesh Forest Department and APFDC.

CONSULTANCIES

1. Contributed to preparation of final mine closure plan of Kudremukh Iron Ore Co. Ltd.
2. Contributed to study of changes in flora and fauna due to the diversion of Thellavagu river Singareni Collieries.
3. Contributed to the study of the flora in FORELIMIT Project in Singareni Collieries.

CONFERENCES/MEETINGS/ WORKSHOPS/SEMINARS/ SYMPOSIA/EXHIBITIONS

1. Dr. G.R.S. Reddy, Scientist-E attended Workshop in Hyderabad on National seminar on *Jatropha curcas* and Aloe from 15th and 16th October, 2004 organised by Info Concepts India inc.

2. Shri M. Lokeswara Rao, Conservator of Forests attended training on Joint Forest Management: Tools and Techniques from 24th to 29th January, 2005 at NIRD, Hyderabad.
3. Shri M. Lokeswara Rao, Conservator of Forests, Dr. G.R.S. Reddy Scientist-E and Dr. Y. Sridhar, Scientist-B attended Workshop on “Bamboo for Livelihoods” from 19th and 20th February, 2005 organised by Andhra Pradesh Forest Department.
4. Dr. Y. Sridhar, Scientist-B attended Workshop on “Persistent Organic Pollutants held at Hyderabad from 15th and 16th July, 2004.
5. Shri T.S. Dange, DCF attended in service training to IFS officers on “Advanced Forest Management” at IGNFA, Dehradun in February, 2005.
6. Dr. G.R.S. Reddy Scientist-E attended Workshop in Hyderabad from 15th and 16th July, 2004 on “Managing Intellectual Property: Fostering, Intellectual property culture in industry and institute” sponsored by TIFAC and CII.
7. Shri T.S. Dange, DCF attended “Expert meet under Technology Information Facilitation Programme of DSIR” conducted by DSIR Ministry of Science and Technology at CCMB, Hyderabad.