

CHAPTER-XI

INSTITUTE OF FOREST PRODUCTIVITY RANCHI

Institute of Forest Productivity, Ranchi was established in 1992 to cater the Forestry research needs of the states of Bihar, Sikkim and West Bengal, the three Eastern states of India.

The institute is primarily engaged in extension and development of programmed packages for cultivation of lac, collection and compilation of statistical data on lac cultivation, production prices and forecast and assessment of lac production in the country. The institute is also involved in major projects of planting stock improvement; biodiversity conservation and development; prevention of major pollution in coal belts by treatment of mining spoils and overburdens; advancement in the field of biotechnology for grass land and bamboo development; and extension works.

PROJECTS COMPLETED DURING 1998-1999

Project 1: The UNDP project for strengthening and developing ICFRE.

Objectives: Poverty alleviation and socioeconomic upliftment of villagers in selected villages.

Results

Socio-economic survey was conducted in selected ten villages 5 each from Bihar and West Bengal. A comprehensive package was evolved depending on the problems and requirements as well as choice of species for plantation. A total of 702999 seedlings of MPT species were planted in West Bengal and Bihar during 5 years of project period. 2715 villagers were benefited under this project.

OLD PROJECTS CONTINUED DURING 1998-1999

Project 2: Planting Stock Improvement Programme (PSIP).

Objectives: (a) To improve the quality of planting materials. (b) To increase productivity and quality of forest plantation on both private and public lands.

Achievements

100 ha of seed stands of MPT species has been identified and is being maintained in West Bengal and Bihar in collaboration with SFDs. *M. Champaca*, *D. sissoo*, *Duabanga sonneratiodes*, *Pinus petula*, *Alnus nepalensis*, *Betula alnoides*, *G. arborea*, *A. cadamba* are the species selected in West Bengal and *Acacia catechu*, *Cassia siamea*, *Tectona grandis*, *Gmelina arborea*, *Dalbergia sissoo* in Bihar. 2 ha of clonal seed orchards of MPT species (*Eucalyptus*, *G. arborea* and *D. sissoo*) have been raised during the year. Provenance trials of MPTs like *Acacia*, *Eucalyptus*, *Gamhar*, *Sissoo* and *Poplar* are in progress. 8 ha of seedling seed orchards of *Acacia*, *Eucalyptus*, *D. sissoo* and *G. arborea* have been established during this year. Multiplication gardens for vegetative propagation of *Bamboo* (2 ha) and *Paulownia* (0.75 ha) was established this year. Standardization of nursery technique for propagation of *Paulownia fortunei* is in progress.

Project 3: Lac development.

Objectives: (a) To collection data on lac production. (b) To demonstrate the technology for improving the methods of lac cultivation.

Achievements

Market Surveys were conducted for collection of yield data, market price and factory production. Periodical Data were also collected from haats, arhatias, dispatch centres, exporters and other organizations of lac. The analysed data are being published in Monthly Lac News Letter and Annual Lac Bulletin.

Project 4: Eco-restoration.

Objectives: Eco-restoration of degraded sites.

Achievements

Research on vegetation, biofertilizer, hydrological studies and nutrient cycling under stress sites, under plantation and natural ecosystems in lateritic soil are in progress.

Project 5: Socio-economic aspects and other activities – UNDP.

Objectives: Economics of plantations, market studies and plantation techniques.

Achievements

Observation on growth parameters of MPT species and demonstration plantations under UNDP were made periodically to assess economic aspects of plantations. Market study and collection of statistical data on timber, bamboo and NWFPs were carried out in Bihar and West Bengal.

Propagation technology of *Bambusa vulgaris*, *B. balcooa*, *B. tulda* and *B. arundinacea* were developed at FSVS, Midnapore. Nursery techniques for *Paulownia* and Poplar were developed for Chhotanagpur region.

NEW PROJECTS TAKEN IN HAND DURING 1998-99

NIL.

EXTENSION

Video documentary film on achievements under UNDP project in Bihar and West Bengal during the project period (1993-98) was prepared. Action was initiated for producing Video film on scientific cultivation of lac.

Transfer of Technology

- (i) Short duration training cum demonstration were organized in N.B. Farms on seasonal operation of lac crop viz. pruning, harvesting, inoculation and phunki removal for lac growers and villagers. Training was imparted to farmers, villagers, NGOs, forestry students and SFD personals on plantation and nursery techniques and on application of biofertilizers.

- (ii) Teaching support was provided to the students of forestry faculty of Birsa Agricultural University, Ranchi.
- (iii) Techniques on propagation of bamboo was demonstrated to the villagers.
- (iv) Demonstration plantations were raised in Bihar and West Bengal under UNDP project.

Linkage with other organizations/Institute/States etc.

- (i) MOU was signed with Birsa Agricultural University, Ranchi to work in close cooperation, co-ordination and collaboration.
- (ii) MOU was signed with the Bihar State Forest Department for creation of 50 ha Seed Production Area of five selected forest species.
- (iii) Close liason was maintained with ILRI Ranchi, Ranchi University, Vidyasagar University Midnapore, Kalyani University, TRIFED, SEPC and BISCOLAMF.

Publication and extension literature

Monthly Lac News letter and Annual Lac Bulletins were published regularly.

FINANCIAL STATEMENT

I. PLAN

Sl.No.	SUB-HEAD	Expenditure (Rs. in lakh)
1.	A. REVENUE EXPENDITURE	
	(a) Research	22.16
	(b) Administrative Support	-
	Total for Revenue Expenditure 'A'	22.16
	B. LOAN AND ADVANCES	
	(a) Loan Advances (Conveyance)-	0.84
	(b) House Building Advance	2.00
	Total for 'B'	2.84
	C. CAPITAL EXPENDITURE	
	(a) Building & Roads	7.50
	(b) Equipments, Library Books	0.49
	(c) Vehicles	-
	Total for 'C'	7.99
	GRAND TOTAL FOR A+B+C(PLAN)	32.99

II. NON-PLAN

1.	A. REVENUE EXPENDITURE	
	(a) Research	68.02
	(b) Administrative Support (Salary)	-
	Total Non-Plan	68.02
	TOTAL FOR PLAN + NON-PLAN	101.01

III. FUNDED PROJECT

	A. World Bank Project	66.93
	B. UNDP Project	1.28
	C. NABARD Project	-
	D. FORTIP	-
	GRAND TOTAL for (A+B+C+D) FUNDED PROJECT	68.21