

CENTRE FOR FORESTRY RESEARCH AND HUMAN RESOURCE DEVELOPMENT CHHINDWARA

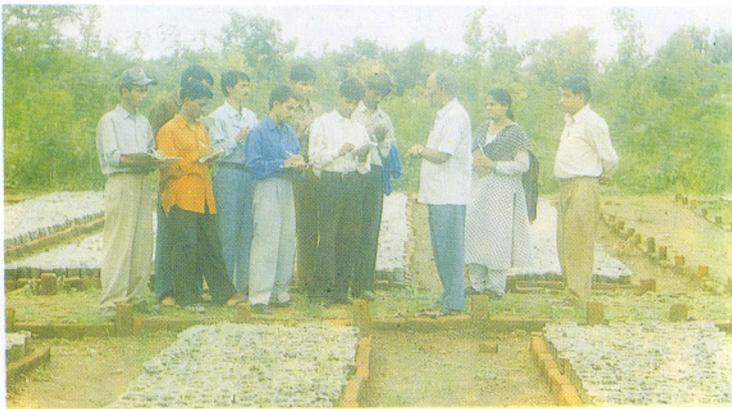
Centre for Forestry Research and Human Resource Development, Chhindwara, is a Satellite Centre of Tropical Forest Research Institute, Jabalpur. The mandate of the Centre is to take up the forestry research in the specialized areas like Biodiversity Conservation, Non-Wood Forest Products, Forest Protection, Socio-economic, Silviculture and Tree Improvement. In addition to this the Centre has also been assigned to develop human resource in forestry sector by imparting vocational training leading to poverty alleviation through self-employment and VFC/EDCs/Forest Personnel's of State Forest Departments.

OLD PROJECT CONTINUED DURING THE YEAR 2000-2001

Project 1 : Junior /Senior Certificate Course in Nursery and Plantation Technology.

Objectives : To develop human resource for rural self employment and conservation of forests through diversification of forest based needs among the rural population and enhancement.

Achievement : Fifth Junior Certificate Course on 'Nursery and Plantation Technology' concluded on 4th August 2000 and nine trainees were trained.



Junior Certificate Course on Nursery and Plantation Technology



Senior Certificate Course trainees on field visit



Project 2 : Structure and function of the tropical dry deciduous forest as per degradation status with special emphasis on forest management and regeneration.

Objectives : (a) To assess the anthropogenic and biotic impact assessment on the degraded forests. (b) To carry out the biodiversity and physiological studies. (c) To assess the regeneration behaviour of important tree species. (d) To assess biomass productivity and nutrient cycling.

Achievement : Nutrient analysis for different components of tree, herb-shrub and soil samples are in progress. Statistical analysis for tree biomass estimation has been completed.



Soil Laboratory

Project 3 : National Network on Integrated Development of Neem in various agroecological regions of India (M.P. , Chhatisgarh and Orissa).

Objectives : (a) To demonstrate plantation technique. (b) Documentation of physiological traits of selected seeds and estimate oil content. (c) To study the chemical analysis. (d) Seed resource assessment – collection and storage.

Achievement : 120 Plus Tree of Neem from various agroclimatic zones of M.P. were selected and seedlings were raised for further plantation activity. Seed characteristic viz. Seed length-breadth, weight, viability were determined. Fatty oils were extracted from the collected seeds and chemical analysis of oil was also carried out. 2 ha Neem plantation were raised at CFRHRD Centre, Chhindwara.



(*Azadirachta indica*)- Plus Tree

NEW PROJECTS TAKEN UP DURING THE YEAR 2000-2001

Project 1 : Studies on the feasibility of medicinal and aromatic plants cultivation as intercrop in natural forests, plantation and their chemical investigations.

Objectives: (a) To enhance production of medicinal and aromatic plants. (b) Ecorehabilitation and conservation of natural resources.

Progress made: A nursery of medicinal / aromatic plants is being established at the Centre. Surveys were conducted for the collection of plant materials. Essential oil was extracted from lemon grass, GC-MS studies revealed the presence of 32 constituents.



Nursery of medicinal / aromatic plants

Project 2 : Studies on the insect pests of *Emblia officinalis* and *Gmelina arborea* in agroforestry and plantation ecosystem.

Objectives : (a) To monitor the status of various insect pests of target species. (b) To develop the effective control measures of insect pests.

Progress made : Assessment of losses due to major pests were recorded. Screening of plantations of *Gmelina arborea* and *Emblia officinalis* were investigated for the insect pests.

Project 3 : Standardization of nursery technique and propagation methods for *Buchnanania lanzan*.

Objectives : (a) To standardize the nursery techniques. (b) To standardize and develop suitable propagation methods. (c) Mass multiplication of species / clones. (d) To establish clonal or vegetative seed orchards / seedlings.

Progress made: Locally fabricated low cost non-mist chamber has been established. Experiments were conducted to study the propagation through root suckers. Seeds have been collected from various sources. Experiments were laid out to standardize the nursery techniques.

FINANCIAL STATEMENT DURING 2000-2001

I. PLAN		EXPENDITURE (RS. IN LAKH)
A.	REVENUE EXPENDITURE	
	(a) Research	24.75
	(b) Administrative Support	14.46
	(c) Others specify	- -
B.	LOAN AND ADVANCES	
	(a) Loan Advances (Conveyance)	0.50
	(b) House Building Advance	- -
C.	CAPITAL EXPENDITURE	
	(a) Building & Roads	- -
	(b) Equipments, Library Books	1.02
	(c) Vehicles	- -
	(d) Others specify	- -
TOTAL FOR PLAN (A+B+C)		40.73
II. NON-PLAN		
A.	REVENUE EXPENDITURE	
	(a) Research	- -
	(b) Administrative Support (Salary)	- -
TOTAL FOR NON-PLAN		- -
III. FUNDED PROJECT		
A.	World Bank Project	2.48
	UNDP Project	0.18
TOTAL FOR FUNDED PROJECT		2.66