

CHAPTER-XIII

CENTRE FOR FORESTRY RESEARCH AND HUMAN RESOURCE DEVELOPMENT, CHHINDWARA

Centre for Forestry Research & Human Resource Development, Chhindwara, presently working under T.F.R.I. Jabalpur, came into existence on 30th March, 1995 with the idea to develop human resource especially of tribal population and work on thrust areas of forestry research. Main objectives include :

- To develop systems for sustainable forest management.
- To increase forest productivity through modern scientific forest management based on sound principles of ecology and genetics.
- To improve utilization of forest produce.
- To address socio-economic aspects related to resource management and environment protection.
- To develop human resource through training in diversified aspects of forestry.

PROJECTS COMPLETED DURING 1997-98

NIL

OLD PROJECTS CONTINUED DURING 1997-98

Project 1: Identification of key pests of *Emblca officinalis*, *Gmelina* spp. and *Terminalia* spp. in nurseries, plantations, natural forests and investigate their control measures in Satpura Plateau.

Objectives : Identification and investigation of key pests of target species of Satpura Plateau.

Achievements

- Major insect pests and incidence were recorded.
- Four varieties of *E. officinalis* were screened against the insect pests.
- Parasites viz. *Apanteles ichneumon* and predators viz. *Cauthrercona* and Coccenellid beetles were recorded. Mixing of Folidol dust 2% was found to be most effective against bahera (*T. bellerica*) seed weevil *M. terminalae*.

Project 2: Studies on standardization of parameters for monitoring and evaluation of Joint Forest Management in Chhindwara. Distt.

Objectives: Standardization of various parameters for monitoring and evaluation of Joint Forest Management in Chhindwara Distt.

Achievements

- Microplans for six villages of Chhindwara district have been prepared.
- Microplanning of other sampled villages is underway.
- Five village level workshops were conducted.

Project 3: 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 of productivity.

Achievements

Nine trainees were trained.

Project 4: Phytochemical examination for utilization of bark, leaves, fruits and roots of some native forest species.

Objectives: To explore the possibility of utilization of leaves, fruits and roots of some native forest species.

Achievements

Plant material of species viz. *Shuteria hirsuta* and *Bryonia lauciniosa* was extracted in different solvent.

- Preliminary biological screening of the extract was carried out for antifungal and insecticidal activities.

NEW PROJECTS TAKEN UP IN HAND DURING 1997-98

Project 5: Structure and functioning of tropical deciduous forests with especial emphasis on forest management practices and regeneration behaviour of forest trees.

Objectives: To analyse the structure (phytosociology, plant diversity, population structure, distribution pattern, regeneration behaviour and resource apportionment among the various species) and functioning (biomass + nutrient cycling) of tropical deciduous forests.

Progress made

- Site has been selected in Sillavani range of South Chhindwara Division. Phytosociological studies have been completed.

Project 6: Standardization of vegetative propagation methods of *Buchanania lanzan*.

- **Objectives:** To standardize and develop suitable vegetative propagation methods *B. lanzan*.

Progress made

Nursery has been established for conducting the experiments.

Project 7: (NABARD PROJECT) - Development of Agroforestry models for various agro-ecological zones.

Objectives : To develop agroforestry models.

Progress made

Process has been initiated for establishment of improved planting stock nursery and laying out of experiments in Karaboh watershed.



Senior Certificate Course in Nursery and
Plantation Technology (Eucalyptus
plantation, Bilaspur)



Senior Certificate Course in Nursery and Plantation
Technology (Kitply plantation, Raipur)



Rich area of biodiversity in Patalkot valley of
Chhindwara District



Fruits of *Bryonia lauciniosa*

EXTENSION

a. Facilities generated and services rendered :

- i. The work on microplanning for 12 (twelve) village forest-committee completed and revenue to the tune of Rs.60,000/- has been generated.
- ii. Library facilities were opened to local forest department, non-governmental organization and academic institutes.
- iii. The Centre has a good number of video films collection on various aspects of forestry. These were shown to trainees of JCC/SCC and farmers during workshops.

b. Transfer of Technology :

- i. Junior certificate training course has been started for improving technical skills among grass root level workers.
- ii. **Teaching support** : Officers of the Centre have acted as resource person for training programmes of State Forest Department, Entrepreneur development institute and WWF, India.
- iii. **Seminar, workshops, etc.:** Five village level workshops were organized under Joint Forest Management at Chourai, Chindi, Harrai, Batkakhapa and Amarwada.

c. Linkages with other organization/Institutes/States; etc.

Effective linkages were developed with State Forest Department, Krishi Vigyan Kendra, Udhyimita Vikas Kendra, Academic Institutions, N.G.O.s and forest farmers.

d. Publication and extension literature brought out by the Institute.

Two bulletins are under the process of publication

- i. Pest control manual by Dr. P.B. Meshram and A.K. Bisaria.
- ii. Bhilwa (*Semecarpus anacardium*) by Dr. A.K. Pandey & A.K. Bisaria.

FINANCIAL STATEMENT

SUB-HEAD	EXPENDITURE (In Rupees)
A. Revenue Exp. Research	1562932.00
(i) Administrative Support	1070062.00
B. Loan & Advance	43000.00
C. Capital Expdt.	61621.00
D. World Bank Exp.	68960.00
GRAND TOTAL	2806575.00