

PROJECTS COMPLETED DURING THE YEAR 2007-08

PLAN PROJECTS

Project 1: Studies on variability of bamboo species, their performance, conservation and economics with reference to Bihar, Jharkhand and West Bengal [IFP-016/SLR-4/2002 - 08]

Findings: By conducting field survey, the number of species in different States encountered were 10 species (in Bihar), 11 species (in Jharkhand), 25 species (in North-West Bengal) and 8 species (in South West Bengal). Two hundred eighty one soil samples were collected and analyzed for correlation studies. For *ex-situ* conservation, plantation of 620 superior rhizomes of bamboos of the study sites at Udai Singh Jot, ERS, Sukna, Netaipur, Midnapore, FRC, Mandar and IFP, Ranchi are being maintained. Trials on bamboo vegetative propagation, time of nursery propagation and age of culm etc. were standardized. Nutrient cycling in bamboo stands were assessed.

Project 2: Creation of germplasm resource bank of threatened medicinal plants of Darjeeling Himalayas [IFP-018/EBC-1/2003 - 08]

Findings: *Ex-situ* medicinal plant garden was created with 11 species namely *Acorus calamus*, *Curculigo orchoides*, *Dioscorea deltoidea*, *Hedychium spicatum*, *Rauvolfia serpentina*, *Asparagus racemosus* Wild, *Embelica officinalis*, *Gloriosa superba*, *Ocimum sanctum*, *Tinospora Cordifolia*, *Curcuma caesia*. Eighty five thousand no. of QPMs of medicinal plant were produced, of which 56000 nos. of planting materials were distributed to the farmers, NGOs and States Forest Department of Sikkim and West Bengal for cultivation / trail/ demonstration. Besides, trial plot was created at research plot at Udaising Joth for yield assessment and demonstration to the farmers and Foresters. Remaining 29000 planting materials are ready for distribution during the year 2008-09.



Germ Plasm Resource