



## PROJECTS COMPLETED DURING THE YEAR 2006-2007

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### **Project 1: Trials on composting for specific afforestation needs and development of cost-effective packages in relevance to Chotanagpur plateau area and south West Bengal [IFP-003/SLR/2002-2007]**

**Findings:** A low-cost, simple and quick technique has been developed for compost production. Compost has been prepared from shrubs and vegetable mixture within 60 days by remixing the material during decomposition with water along with 10 % soil dust and urea 0.5 % for faster decomposition. Addition of urea with the material mix enhanced decomposition rate and reduced the time from 90 days to 60 days.

### **Project 2: Standardisation of suitable potting media and root trainer size for improved planting stock production of some mandate species of Jharkhand and southern West Bengal [IFP-002/SLR/2002-2007]**

**Findings:** Root and shoot biomass of the seedlings of four species *Acacia mangium*, *D. sissoo*, *G. arborea* and *Eucalyptus camaldulensis* raised in 90 cc root trainers under potting media trial was estimated and recorded. Seedlings raised of all the 4 species in 90 cc hykopot were planted in the field.

### **Project 3: Development of agro-techniques for *Gymnema sylvestre* and *Embelia ribes* having high marketing potential [IFP-023/ERM/2004-2007]**

**Findings:** *Gymnema sylvestre* seeds and *Embelia ribes* seeds have been obtained from Silviculture South Division of West Bengal.

### **Project 4: Exploration of lac cultivation on non-traditional host *Flemingia* sp. and its possibility in sustainable plantation forestry [IFP-007/BGT/2002-2007]**

**Findings:** Jethwi - 06 lac crop harvested under control as well as experimental condition on host plants, *Flemingia macrophylla* and *Flemingia semialata*.