

## Centre for Social Forestry and Eco-Rehabilitation Allahabad

Centre for Social Forestry and Eco-Rehabilitation (CSFER), Allahabad was established in October, 1992 as an advanced Centre under the umbrella of ICFRE, Dehradun. Presently, it is a branch of Forest Research Institute (FRI), Dehradun. The Centre aims to nurture and cultivate professional excellence in the field of Social Forestry and Eco-Rehabilitation in Eastern Uttar Pradesh, North Bihar and Vindhyan Region of Uttar Pradesh and Madhya Pradesh.

### PROJECTS COMPLETED DURING THE YEAR 2005-2006

**Project 1: Re-vegetation of Silica mining tracts through microbial technology at Vindhyan Range of Allahabad District [FRI-141/CSFER-01]**

**Findings:** The biofertilizers - Azotobacter, Rhizobium, Phosphate Solubilizing Microbes, Blue Green Algae and Vesicular Arbuscular Mycorrhiza (VAM) were used on selected species, observed remarkable results. Nursery trial results indicated that the germination time was reduced in seeds treated with different bio fertilizer combinations as compared to control. The results of field trial of these inoculated seedlings at silica mining tract of Shankargarh, Allahabad indicated that *Pongamia pinnata* and *Butea monosperma* performed well over two other species.

### PROJECTS CONTINUED DURING THE YEAR 2005-2006

**Project 1: To develop medicinal plant nursery for generating awareness amongst local people [FRI-254/CSFER-05]**

**Status:** The selected medicinal species have been planted in herbal garden of research nursery and are maintained. Training-cum-demonstration are being organized for awareness amongst local people.

### PROJECTS CONTINUED DURING THE YEAR 2005-2006 (Externally Aided)

**Project 1: Research and development of Jatropha under National Network Programme [Sponsored by NOVOD Board]**

**Status:** Progeny field trial of Jatropha has been carried out with the seeds collected from the Candidate Plus Trees (CPTs) marked at Shankargarh, Allahabad (CSFER I), and procured from Tropical Forest Research Institute, Jabalpur (TFRI I and TFRI II) at Silica mining area of Shankargarh, a degraded site of Allahabad District. Survival and growth data were recorded. To establish National Networking Trial of Jatropha, the seedlings raised from the seeds obtained from the different research organizations from all over India were planted in field in RBD with three replications and 2m X 2m spacing at Silica mining area of Shankargarh, Allahabad under rainfed condition. For zonal trial, the seedlings raised from the seeds obtained from the different zonal centres were planted in field in RBD with three replications and 2m X 2m spacing at Silica mining area of Shankargarh, Allahabad under rainfed condition.



A block plantation with 9300 plants were established at Silica mining area of Sankargarh, Allahabad and 700 plants were planted at Padilla nursery in agroforestry trial. Phenological studies of CPTs marked in previous year were carried out. Survey of Superior planting material as per the guidelines decided by the NOVOD Board was carried out in eastern U.P. total twenty two CPTs have been marked in different district of eastern U.P. Seed characteristics viz. seed diameter, seed length and no. of seeds per 100 gm have been recorded. Seeds from the marked CPTs were collected and sent to TERI, New Delhi for chemical evaluation. Nursery has been raised from the seeds collected from marked twenty CPTs.



Jatropha seedling in Padila nursery under NOVOD project

#### Abstract: No. of Projects

	No. of projects completed in 2005-2006	No. of ongoing projects in 2005-2006	No. of projects initiated in 2005-2006
Plan Projects	1	1	-
External Projects	-	1	-
Total	1	2	-

## EDUCATION AND TRAINING

Two training programmes for the farmers on Research and Development of Jatropha have been organized. The techniques related to nursery, planting methods, field demonstration, various uses and biodiesel applications of seed oil have been shared and discussed with the participants. Field trips were also organized for the participants for strengthening their knowledge about Jatropha on site.

## CONFERENCES/MEETINGS/WORKSHOPS/SEMINARS/SYMPOSIA/EXHIBITIONS

### Organized

1. Two Farmer's Training under NOVOD project on Research and Development of Jatropha on 28<sup>th</sup> and 29<sup>th</sup> March 2006.
2. Training-cum-demonstration programme on Medicinal Plants on 30<sup>th</sup> March 2006.

### Attended

Shri Birendra Choudhary, IFS attended the National Conference on Forestry at CII, New Delhi on 22<sup>nd</sup> February 2006 and National Workshop on Forestry Education : Issues and Opportunities at FRI Deemed University, Dehradun on 20<sup>th</sup> and 21<sup>st</sup> March 2006.

## DISTINGUISHED VISITORS

Shri M. L. Arrawatia, IFS, Chief Conservator of Forests, Sikkim visited the Centre from 24 to 26<sup>th</sup> October 2005. He also visited Central Research Nursery, Padila.